New Perspectives HTML5 and CSS3 Comprehensive 7th edition Carey Solutions Manual

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New Perspectives on HTML5 and CSS3

Tutorial Two: Getting started with CSS

A Guide to this Instructor's Manual:

We have designed this Instructor's Manual to supplement and enhance your teaching experience through classroom activities and a cohesive chapter summary.

This document is organized chronologically, using the same headings in **blue** that you see in the textbook. Under each heading you will find (in order): Lecture Notes that summarize the section, Figures and Boxes found in the section (if any), Teacher Tips, Classroom Activities, and Lab Activities. Pay special attention to teaching tips and activities geared towards quizzing your students, enhancing their critical thinking skills, and encouraging experimentation within the software.

In addition to this Instructor's Manual, our Instructor's Resources CD contains PowerPoint Presentations, Test Banks, and other supplements to aid in your teaching experience.

For your students:

Our latest online feature, CourseCasts, is a library of weekly podcasts designed to keep your students up to date with the latest in technology news. Direct your students to http://coursecasts.course.com, where they can download the most recent CourseCast onto their mp3 player. Ken Baldauf, host of CourseCasts, is a faculty member of the Florida State University Computer Science Department, where he is responsible for taking technology classes to thousands of FSU students each year. Ken is an expert in the latest technology and sorts through and aggregates the most pertinent news and information for CourseCasts so your students can spend their time enjoying technology, rather than trying to figure it out. Open or close your lecture with a discussion based on the latest CourseCast.

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Tutorial Objectives

Students will have mastered the material in Tutorial Two when they can:

Session 2.1

- Explore the history of CSS
- Study different types of style sheets
- Explore style precedence and inheritance
- Apply colors in CSS

Session 2.2

- Use contextual selectors
- Work with attribute selectors
- Apply text and font styles
- Use a web font

Session 2.3

- Define list styles
- Work with margins and padding space
- Use pseudo-classes and pseudo-elements
- Insert page content with CSS

Introducing CSS

LECTURE NOTES

- Discuss the importance of CSS in designing a webpage.
- Discuss the concept of modules in CSS3.
- Explain the features of different types of style sheets, including:
  - Browser styles
  - User-defined styles
  - External styles
  - Embedded styles
  - Inline styles
- Discuss the effects of rendering different style sheets to view a page.

BOXES

- Tip: You can research the support for CSS by browser version at www.caniuse.com (HTML 86).

FIGURES

- Figure 2-1, Figure 2-2, Figure 2-3, Figure 2-4

TEACHER TIP

Remind students that all browsers do not support CSS styles the same way, so it is important to learn the various techniques to accommodate the difference between browsers in how they implement CSS designs.

CLASSROOM ACTIVITIES

- Class Discussion: Have the students research their favorite browser to determine which CSS styles the browser supports.

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LAB ACTIVITY

- Student Lab:
  - Have the students use an editor of their choice and create an HTML file using only the browser style sheet.
  - Have the students use an editor of their choice and create an HTML file using an external style sheet.

Exploring Style Sheets

LECTURE NOTES

- Discuss style rules and their general form.
  - Define selector.
  - Define property.
  - Define value.
- Explain the concept of browser extensions and discuss the use of vendor prefix in them.
- Explain how style rule structures are used in embedded style sheets and inline styles.
- Discuss style specificity and precedence.
- Define the process of style inheritance.
- Discuss how browser developer tools aid a designer in designing a web page.

BOXES

- Tip: To avoid confusion, always place your embedded styles after any links to external style sheet files so that the embedded styles always have precedence (HTML 92).
- Tip: Not all properties are inherited; for example, a style property that defines text color has no meaning for an inline image (HTML 93).
- Tip: In most browsers, you can quickly access information about a specific page element by right-clicking the element in the browser window and choosing Inspect Element from the pop-up menu (HTML 93).
- Insight: Defining an important Style (HTML 95).

FIGURES

- Figure 2-5, Figure 2-6

TEACHER TIP

Remind students that CSS ignores the use of white spaces. Browsers process style properties in the order they're listed in, so it is more convenient to have the most current specifications listed last. Students should be recommended to use external style sheets that can be applied across pages and page elements.

CLASSROOM ACTIVITIES

- Class Discussion: Ask the students to open their respective browser developer tools and explore the content and styles used in the page by selecting the different element tags.

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LAB ACTIVITY

- Student Lab: Ask the students to create HTML documents using different style sheets.
    - Inline styles
    - Embedded styles

Creating a Style Sheet

LECTURE NOTES

- Discuss the use and purpose of comments in a code.
- Explain how style sheet comments are to be entered.
- Discuss how to define character encoding in a CSS document.
- Explain the directive of CSS at-rule.
- Define the general structure of @import.

BOXES

- Tip: The @import statement must always come before any other style rules in the style sheet (HTML 96).

FIGURES

- Figure 2-7

TEACHER TIP

An advantage of the @import rule is that you can select specific style sheets to include and exclude in the CSS file rather than in the HTML file. The @charset rule should always precede any other characters in a style sheet, including comments.

CLASSROOM ACTIVITIES

- Class Discussion: Determine how many of your students have prior programming experience. Then, lead the class in a discussion on code commenting and importing style sheets. Ask the students with programming experience to share their knowledge with the rest of the class.

LAB ACTIVITY

- Student Lab: Have the students use an editor to create an HTML file with an external CSS file. Ask them to add style comments and @charset rule as outlined on page HTML 96 of the textbook in the figure labeled, "Adding the @charset rule and style comments."

Working with Color in CSS

LECTURE NOTES

- Explain that CSS, being a text-based language, requires colors to be defined in textual terms, either by using a color value or a color name.
- Discuss the various colors in CSS and the way to utilize them in a code.
- Discuss how color values are represented in CSS.
- Discuss RBG color values and review the interaction of colors in Figure 2-8:
    - Adding red, green, and blue results in white.

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    - Adding any two of the primary colors results in the complementary colors yellow, magenta, and cyan.
- Discuss the syntax for specifying the color using:
    - RGB triplet
    - Hexadecimal number
- Discuss the advantages and disadvantages of each format.
- CSS3 introduced a new type of color value in the form of HSL values. Explain the role of hue, saturation, and lightness in determining the HSL color values.
- Using the figure 2-9, explain how the color orange is being defined in the HSL color model.
- Explain the syntax for HSL:
    - hsl(hue, saturation, lightness)
- Explain the concept of Opacity and discuss the syntax for specifying the following Opacity Values:
    - rgba(red, green, blue, opacity)
    - hsla(hue, saturation, lightness, opacity)
- Explain the syntax for setting the color of the background and text.

BOXES

- Tip: You can view the complete list of CSS color names by opening the demo_color_names.html file in the html02 demo folder (HTML 97).
- Proskills: Written Communication: Communicating in Color (HTML 97)
- Reference: Setting Text and Background Color (HTML 101)
- Tip: Almost 8% of all men and 0.5% of all women have some sort of color blindness. Because red-green color blindness is the most common type of color impairment, you should avoid using red text on a green background and vice-versa (HTML 102).
- Proskills: Problem Solving: Choosing a Color Scheme (HTML 104)

FIGURES

- Figure 2-8, Figure 2-9, Figure 2-10, Figure 2-11

TEACHER TIP

Discuss color choices for text and background. Try to explain to students that colors can evoke an emotional response and are associated with particular feelings or concepts whilst there are some colors which are just difficult for many people to read on a colored background. Search the Internet for several examples of color wheels. These are excellent resources to show the students how hue, saturation, and lightness interact.

CLASROOM ACTIVITIES

- Class Discussion: Using the Figure 2-8, ask the students to represent the colors in the RGB triplet and hexadecimal form.

LAB ACTIVITY

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- Student Lab: Have the students use an editor of their choice and create the HTML file as outlined on page HTML 102 of the textbook, under the heading "To define background and text colors."

Employing Progressive Enhancement

LECTURE NOTES

- Explain the concept of progressive enhancement.

BOXES

- None

FIGURES

- None

TEACHER TIP
Give the students an example of HSL and RGB values. Define different background-colors for both. Run the code using an old browser that does not support CSS3 and then run the code in a browser that supports CSS3.

CLASROOM ACTIVITIES

- Quick Quiz:
  - True/False: The HSL color was introduced in CSS2. (Answer: False)
  - True/False: The browsers that recognize both the RGB and HSL values will use the one that is defined first. (Answer: False)

LAB ACTIVITY

- None

Exploring Selector Patterns

LECTURE NOTES

- Explain why selector patterns are used in an HTML document.
- Discuss the need for contextual selectors.
- Discuss the hierarchical structure of the relationship between a parent, a child, and descendant elements.
- Explain the role of the contextual selectors in Figure 2-12 including the following:
  - Using an example, discuss the use of wildcard selector.
  - Discuss the usage of sibling selectors with an example.
- Discuss using the attribute of an element to define the selector. Use id and class as examples.
- Review Figure 2-15 and the function of the attribute selectors in the table.

BOXES

- Reference: Using Contextual Selectors (HTML 110)

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- Tip: An element can belong to several classes by including the class names in a space-separated list in the class attribute (HTML 111).
- Reference: Using Attribute Selectors (HTML 112)
- Insight: Calculating Selector Specificity (HTML 115)

FIGURES

- Figure 2-12, Figure 2-13, Figure 2-14, Figure 2-15, Figure 2-16, Figure 2-17, Figure 2-18

TEACHER TIP

Define one ordered and unordered list. Set different style properties for both the lists. Use these to further emphasize the concept of contextual selectors. Discuss the constraints of style inheritance and explain the need of specific style sheets for different elements. Remind the students that some attribute selectors might not be supported in old browsers as they were introduced in CSS3.

CLASROOM ACTIVITIES

- Class Discussion: Ask the students to differentiate between id and class attributes in html. Ask them to go through Figure 2-15 and categorize the selectors on the basis of the CSS they support.

LAB ACTIVITY:

- Student Lab: Have the students use an editor of their choice to work on a CSS file they created in any of the last labs.
  Follow the instructions from each of the following sections:
  - HTML 110 "To create style rule with contextual selector"
  - HTML 113 "To apply an id selector"
  - HTML 113 "To apply a class selector"

Working with Fonts

LECTURE NOTES

- Review the definition of typography and fonts. Also, cover the syntax for the font property and discuss font stack.
- Discuss specific fonts and generic fonts.
- Introduce the following generic font groups:
  - Serif
  - Sans-serif
  - Monospace
  - Cursive
  - Fantasy
- Discuss the various types of web safe fonts.
- Explain the concept of web font.
- Discuss the advantages and disadvantages of web fonts.
- Describe the syntax for accessing and loading a web font.

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BOXES

- Tip: Including too many fonts can make your page difficult to read. Don't use more than two or three typefaces within a single page (HTML 116).
- Font stacks should be listed in a comma-separated list with the most desired fonts listed first (HTML 117).
- Tip: It is considered best practice to always include a format value to alert the browser about the font's format so that it doesn't download a font definition file it can't display (HTML 119).
- Tip: The @font-face rule should always be placed at the top of the style sheet but after the @charset rule and before any styles that specify the use of a web font (HTML 119).
- Insight: Using Google Fonts (HTML 121)

FIGURES

- Figure 2-19, Figure 2-20, Figure 2-21, Figure 2-22, Figure 2-23, Figure 2-24

TEACHER TIP

Stress on the point that the common practice while defining generic fonts is to list the specific fonts first and end the font stack with a generic font as the user has no control over which font definition the browser will choose for the generic font.

CLASROOM ACTIVITIES

- Class Discussion: Ask the students to go through the various web font formats and their current levels of browser support.

LAB ACTIVITY:

- Student Lab:
    - Have the students use an editor of their choice and create the HTML file as outlined on page HTML 117 of the textbook, under the heading "To specify a font family for the page body."
    - Ask the student to open any of the previous CSS files they have worked on. Then, ask them to add the web font Quicksand to the style sheet and apply it to all the h1 and h2 elements.

Setting the Font Size

LECTURE NOTES

- Review font sizes and the syntax to set or change the size of fonts.
- Discuss the concept of absolute units.
- Discuss the concept of relative units.
- Discuss pixels and the need for pixel density on a device.
- Explain the importance of text scalability and discuss the measurements used to provide scalability including:
    - percentages
    - ems
    - rems

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- Explain the concept of viewport unit along with its advantages and disadvantages.
- List and explain the various keywords that are used to express font sizes.

BOXES

- Tip: You explore typography styles using the demo_css.html file from the html02 demo folder (HTML 122).

FIGURES

- Figure 2-25, Figure 2-26

TEACHER TIP
Remind students that they should not insert a space between the size value and the unit abbreviation while using absolute and relative units. The larger and smaller keywords are relative sizes and are used to make the font size of the element one size larger or smaller than the font size of the container element.

CLASROOM ACTIVITIES

- Class Discussion: Ask the students to go through the various web font formats and their current levels of browser support.

LAB ACTIVITY:

- Student Lab:
  - Have the students use an editor of their choice and create the HTML file as outlined on page HTML 117 of the textbook, under the heading "To specify a font family for the page body."
  - Ask the students to open any of the previous CSS files they have worked on. Then, ask them to add the web font Quicksand to the style sheet and apply it to all the h1 and h2 elements.

Controlling Spacing and Indentation

LECTURE NOTES

- Explain the following typographic attributes along with their syntax:
  - Kerning
  - Tracking
  - Leading
- Discuss the property of text-indent along with its syntax.
- Explain how to create a hanging indent.

BOXES

- Tip: You can give multi-line titles more impact by tightening the space between the lines using a large font-size along with a small line-height (HTML 125).

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FIGURES

- Figure 2-27

TEACHER TIP
Remind students that the default value for both kerning and tracking is 0 pixels. The default value for leading is 1.2 em.

CLASROOM ACTIVITIES

- Quick Quiz:
  - True/False: In kerning and tracking, a value greater than zero decreases the letter and word spacing. (Answer: False)
  - True/False: The indentation value cannot be negative. (Answer: False)

LAB ACTIVITY:

- Student Lab:
  - Ask the students to open any of the previous CSS files they have worked on and increase the kerning in the h1 and h2 headings to 0.3em.
  - Ask the students to work on the same file and increase the line height of the text of the navigation list to 3em.

Working with Font Styles

LECTURE NOTES

- Discuss the font-style property and its syntax.
- Discuss the font-weight property and its syntax.
- Discuss the text-decoration property and its syntax.
- Discuss the text-transform property and its syntax.
- Discuss the font-variant property and its syntax.
- Discuss the different properties to align a text horizontally and vertically along with their syntax.
- Discuss how a CSS code can be made more compact by using the shorthand font property.

BOXES

- Tip: The subscript and superscript styles lower or raise text vertically, but do not resize it. To create true subscripts and superscripts, you also must reduce the font size (HTML 128).
- Proskills: Decision Making: Selecting a Font (HTML 130)

FIGURES

- Figure 2-28, Figure 2-29, Figure 2-30

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TEACHER TIP
Prepare several examples of web pages that use all the different text and font styles. Ask the students to distinguish between the various web pages and make a list of all the different font and text styles used in those web pages.

CLASROOM ACTIVITIES

- Class Discussion: Ask the students to do some research on the values of the vertical-align property. Ask students why they think it is so important to have such control over the way text is displayed.

LAB ACTIVITY:

- Student Lab:
  - Ask the students to display the text in a semi-transparent bold white font on a dark orange background and centered on the page. Ask them to increase the height of the address line to 3em. They should set all the font values using the shorthand font property.

Formatting Lists

LECTURE NOTES

- Explain the concept of a list marker in HTML.
- Discuss the syntax for changing the list-style-type.
- Explain the use of list-style-types and contextual selectors to create an outline style.
- Describe the syntax for using images for the list marker.
- Discuss the syntax for setting the list marker position.
- Discuss how the shorthand list-style property can be used to combine all the other list styles.

BOXES

- Tip: List style properties can be applied to individual items in a list, through the li element (HTML 134).
- Reference: Designing a List (HTML 137)

FIGURES

- Figure 2-31, Figure 2-32, Figure 2-33, Figure 2-34, Figure 2-35, Figure 2-36, Figure 2-37

TEACHER TIP
Remind the students that in order to remove the markers from the navigation list, the list-style-type property is to be set to none.

CLASROOM ACTIVITIES

- Class Discussion: Discuss with students how often they use a bulleted list in their everyday lives. Some people rely on them heavily to keep track of all kinds of

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information. Ask the students how beneficial they can be for presenting information in a Web format.

LAB ACTIVITY:

- Student Lab:
  - Ask the students to create a navigation list in an HTML file. Then, ask them to apply an image file to the list using CSS.
  - Ask the students to create a navigation list in HTML with a disc maker. Then, ask them to remove the markers from the navigation list using CSS.

Working with Margins and Padding

LECTURE NOTES

- Explain box model including:
  - Padding space
  - Border
  - Margin space
- Explain the syntax for setting the padding space.
- Explain the syntax for setting the margin and border spaces.

BOXES

- Tip: Your browser's developer tools will display a schematic diagram of the box model for each element on your page so that you can determine the size of the padding, border, and margin spaces (HTML 140).
- Reference: Setting Padding and Margin Space (HTML 142)

FIGURES

- Figure 2-38, Figure 2-39, Figure 2-40, Figure 2-41, Figure 2-42

TEACHER TIP
Have a discussion with the students on how padding can visually aid the HTML web page you are viewing. To convey your point, have a few examples with you, some depicting no border spaces and padding while others having appropriate border spaces and padding. Remind the students that the supply value for all the padding spaces are dependent on the number of values they supply.

CLASROOM ACTIVITIES

- Quick Quiz:
  - What is the default left padding space value set by most browsers while working with ordered and unordered lists? (Answer: 40 pixels)
  - True/False:
    p {padding: 15px 20px;}
    The above code sets the top and bottom padding spaces at 15 pixels and 20 pixels, respectively. (Answer: False)

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LAB ACTIVITY:

- Student Lab:
  - Ask the students to create a navigation list in HTML. Then, ask them to reduce the size of the left padding space in the navigation list to 5 pixels.
  - Ask the students to work on a previously created navigation list. Tell them to increase the top margin above each group of links to 25 pixels in order to offset it from the preceding group.

Using Pseudo-Classes and Pseudo-Elements

LECTURE NOTES

- Explain the concept of pseudo-class along with its syntax.
- Using Figure 2-43, explain structural pseudo-class.
- Explain dynamic pseudo-class referencing Figure 2-46.
- Discuss the concept of pseudo-element and the syntax for selecting it.

BOXES

- Insight: Exploring the nth-of-type pseudo-class. (HTML 148)
- Tip: The hover, active, and focus pseudo-classes also can be applied to non-hypertext elements to create dynamic page elements that change their appearance in response to user actions (HTML 149).
- Reference: Using Dynamic Pseudo-Class to Create Hypertext (HTML 149)
- Proskills: Problem Solving: Hover with Touch Devices (HTML 151)

FIGURES

- Figure 2-43, Figure 2-44, Figure 2-45, Figure 2-46, Figure 2-47, Figure 2-48, Figure 2-49

TEACHER TIP
Remind the students that the double colon separator was introduced in CSS3 to differentiate pseudo-elements from pseudo-classes. Prior to that, the single colon was used for this purpose. Prepare a few examples explaining the difference between the nth-child selector and the nth-of-type selector. Have a discussion with the students on how the hover effects should be limited to enhancing the user experience and not be a critical component of that experience.

CLASROOM ACTIVITIES

- Quick Quiz:
  - True/False: Two or more pseudo-classes can be applied to the same element. (Answer: True)
  - True/False: The default browser style to display all visited links is to highlight them in blue. (Answer: False)

LAB ACTIVITY:

- Student Lab:

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- Ask the students to create a navigation list with hypertext links. The links in the list should appear in a medium gray font with no distinction between unvisited and previously visited links. When the link is hovered over or active, the color should change to purple and it should be underlined.

Generating Content with CSS

LECTURE NOTES

- Explain the syntax to add new content before or after an element.
- Discuss the different ways to add symbols, image, or video clips to an element.
- Explain the syntax to add an attribute value in a web page.

BOXES

- Tip: You cannot use CSS to insert HTML markup tags, character references, or entity references. Those can only be done within the HTML file (HTML 153).
- Reference: Inserting Content using CSS (HTML 154)

FIGURES

- Figure 2-50

TEACHER TIP
Ask the student to list out the different types of content they would like to add on an HTML web page. Ask them to do some research on the different Unicode character codes for adding special characters in HTML. Remind the students that if the generated content is crucial to interpreting the page, it should be placed in the HTML file and not on any stylesheet.

CLASROOM ACTIVITIES

- Quick Quiz:
  - True/False: The close-quote property is used to remove a previously specified closing quotation mark. (Answer: False)
  - True/False: The no-open-quote property is used to display an opening quotation mark. (Answer: False)

LAB ACTIVITY:

- Student Lab:
  - Ask the students to open a previously worked file in the lab. Ask them to insert content directly before a page element.
  - Ask the students to open a previously worked file in lab and then insert content directly after a page element.

Inserting Quotation Marks

LECTURE NOTES

- Discuss the syntax of inserting quotation marks in an HTML file.

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BOXES

- Tip: Quotation marks generated by CSS are often used with international pages in which different languages require different quotation mark symbols (HTML 154).
- Proskills: Teamwork: Managing a Style Sheet (HTML 156)

FIGURES

- Figure 2-51, Figure 2-52

TEACHER TIP
Discuss with the students their usage of quotation marks in their day-to-day life. Ask them their views on the importance of representing characters in quotation marks in HTML.

CLASROOM ACTIVITIES

- Quick Quiz:
  - True/False: The blockquote and q elements are used for quoted material. (Answer: True)
  - True/False: It is not possible in HTML to have nested quotation marks. (Answer: False)

LAB ACTIVITY:

- Student Lab:
  - Ask the students to open a previously worked file in the lab. Ask them to use decorative quotes for the customer comments. Ask them to display the curly quotes in a bold Times New Roman font with a font size of 1.6em.

End of Tutorial Material

- **Review Assignments:** Review Assignments provide students with additional practice of the skills they learned in the tutorial using the same tutorial case with which they are already familiar.
- **Case Problems:** A typical NP tutorial has four Case Problems following the Review Assignments. Short tutorials can have fewer Case Problems (or none at all); other tutorials may have five Case Problems. The Case Problems provide further hands-on assessment of the skills and topics presented in the tutorial, but with new case scenarios. There are four types of Case Problems:
  - **Apply**. In this type of Case Problem, students apply the skills that they have learned in the tutorial to solve a problem.
  - **Create**. In a Create Case Problem, students are either shown the end result, such as a finished Web site, and asked to create the document based on the figure provided, or asked to create something from scratch.
  - **Challenge**. A Challenge Case Problem involves three or more Explore steps. These steps challenge students by having them go beyond what was covered in the tutorial, either with guidance in the step or by using online Help as directed.
- **ProSkills Exercises:** This feature is new for Office 2010 and Windows 7. ProSkills exercises integrate the technology skills students learn with one or more of the following soft skills: decision making, problem solving, teamwork, verbal communication, and written

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communication. The goal of these exercises is to enhance students' understanding of the soft skills and how to apply them appropriately in real-world, professional situations that also involve software application skills. ProSkills exercises are offered at various points throughout a text, encompassing the concepts and skills presented in a standalone tutorial or a group of related tutorials.

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Glossary

- @import (HTML 96)
- Absolute units (HTML 121)
- border (HTML 139)
- box model (HTML 139)
- browser extensions (HTML 90)
- browser styles (HTML 87)
- child elements (HTML 108)
- color values (HTML 98)
- contextual selector (HTML 108)
- CSS at-rule (HTML 96)
- cursive (HTML 116)
- descendant elements (HTML 108)
- dynamic pseudo-class (HTML 148)
- embedded styles (HTML 87)
- external styles (HTML 87)
- fantasy (HTML 116)
- font stack (HTML 115)
- fonts (HTML 115)
- generic font (HTML 115)
- hanging indent (HTML 126)
- hexadecimal number (HTML 99)
- Hue (HTML 99)
- inline styles (HTML 87)
- Leading (HTML 125)
- lightness (HTML 99)
- list marker (HTML 134)
- margin space (HTML 139)
- modules (HTML 86)
- monospace (HTML 116)
- opacity (HTML 100)
- padding space (HTML 139)
- parent element (HTML 108)
- pixel (px) (HTML 122)
- progressive enhancement (HTML 104)
- pseudo-class (HTML 145)
- pseudo-element (HTML 151)
- relative units (HTML 121)
- rem (root em unit) (HTML 122)
- RGB triplet (HTML 98)
- sans-serif (HTML 116)
- Saturation (HTML 99)
- scalable (HTML 122)
- selector patterns (HTML 108)
- serif (HTML 116)
- sibling selectors (HTML 109)
- specific font (HTML 115)
- structural pseudo-class (HTML 145)
- style inheritance (HTML 93)
- tracking (HTML 125)
- Typography (HTML 115)
- user agent styles (HTML 87)
- user-defined styles (HTML 87)
- vendor prefix (HTML 90)
- viewport unit (HTML 123)
- web font (HTML 118)
- web safe fonts (HTML 116)
- wildcard selector (HTML 109)

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```
@charset "utf-8";

/*
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Case Problem 4

   The Great Lakescape Lodge Layout Styles
   Filename: lake_layout.css

*/


/* Structural Styles */

body {
      margin: 0 auto;
      width: 100%;
      max-width: 1020px;
      min-width: 640px;
}

body > header > img {
      width: 100%;
      display: block;
      margin: 0;
}

body > section#leftcol {
      width: 70%;
      float: left;
      margin-left: 0%;
      margin-right: 4%;
}

body > section#rightcol {
      width: 24%;
      float: left;
      margin-right: 2%;
}

footer {
      clear: both;
}

address, article, aside, blockquote, body, cite,
div, dl, dt, dd, em, figcaption, figure, footer,
h1, h2, h3, h4, h5, h6, header, html, img,
li, main, nav, ol, p, section, span, ul {

   -webkit-box-sizing: border-box;
   -moz-box-sizing: border-box;
```

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```
   box-sizing: border-box;
}


/* Header Navigation */

header > nav {
      display: table;
      width: 100%;
}

header > nav > ul {
      display: table-row;
      list-style-type: none;
}

header > nav > ul > li {
      display: table-cell;
      text-align: center;
}

header > nav a {
      display: block;
      width: 100%;
}


/* Section Layout */

section#leftcol aside {
      width: 42%;
      float: left;
      margin-left: 2.5%;
      margin-right: 2.5%;
      margin-bottom: 20px;
}


section#leftcol img {
      width: 100%;
      display: block;
}
```

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```
@charset "utf-8";

@font-face {
      font-family: Champagne;
      src: url(cac_champagne.woff) format('woff'),
           url(cac_champagne.ttf) format('ttf');
}

@font-face {
      font-family: Dobkin;
      src: url(DobkinPlain.woff) format('woff'),
           url(DobkinPlain.ttf) format('ttf');
}

/*
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Case Problem 4

   Great Lakescape Lodge Style Sheet
   Author: Ron Nelson
   Date:   2017-03-01

   Filename: lake_styles.css

*/


/* General Styles */

html {
      background-color: hsl(60,39%,67%);
}

body {
      background-color: hsl(302,74%,86%);
      font-family: Verdana, Geneva, sans-serif;
}

nav a {
      text-decoration: none;
}

h1, h2 {
      font-weight: normal;
}

/* Header Navigation */

body > header > nav {
      background-color: hsl(301,24%,38%);
}
```

1, Using your editor, open the lake_home_txt.html and lake_styles_txt.css files from the html02 ► case4 folder. Save them as lake_home.html and lake_styles.css respectively

3. Go to the lake_styles.css file in your editor and begin creating the color scheme and typographic styles for the lodge's home page. The final design is up to you but it should include the following features:

- Definition of the character encoding used in the style sheet file
- Application of a web font (Two fonts are supplied for you in the html02 ► case4 folder.)
- Setting background and text colors using both color values and color names
- An application of a semi-transparent color
- Selectors showing style rules applied to nested elements, child elements, and elements based on the id attribute
- Styles that modify the appearance of list and list markers
- Use of pseudo-elements and pseudo-classes as selectors
- Styles that modify the padding space and margin space around an element
- A style rule to generate content in the rendered page

4. Include informative style comments throughout the style sheet

5. Save your completed style sheet

```
body > header > nav > ul > li {
      padding-top: 10px;
      padding-bottom: 10px;
}

body > header a:visited, body > header a:link {
      color: hsla(0, 0%, 100%, 0.5);
}

body > header a:hover, body > header a:active {
      color: hsl(64,73%,68%);
}


/* Left Column Styles */

section#leftcol {
      background-color: ivory;
}

section#leftcol > h1 {
      font-family: Champagne, cursive;
      font-size: 4em;
      margin: 10px 0px 10px 10px;
      padding: 0;
}

section#leftcol > p {
      margin: 20px 20px 20px 20px;
}

/* Right Column Styles */

section#rightcol h2 {
      font-family: Champagne, cursive;
      font-size: 2em;
      margin-bottom: 5px;
}

section#rightcol ul {
      padding-left: 20px;
      list-style-type: none;
      font-size: 0.9em;
}

section#rightcol nav a:visited, section#rightcol nav a:link {
      color: hsl(290,2%,50%);
}

section#rightcol nav a:hover, section#rightcol nav a:active {
      color: hsl(290,2%,10%);
```

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```
      text-decoration: underline;
}


/* Aside Styles */

aside:first-of-type {
      background-color: hsl(15,60%,72%);
}

aside:last-of-type {
      background-color: hsl(46,51%,63%);
}

aside h1 {
      text-align: center;
      margin: 5px 5px 15px 5px;
      font-size: 1.2em;
}

aside h2 {
      text-align: left;
      margin: 5px;
      font-size: 1em;
}

aside ul {
      list-style-type: circle;
}

aside li {
      font-size: 0.8em;
      line-height: 1.8em;
      margin-right: 10px;
}

aside p {
      margin: 15px;
      font-size: 0.8em;
}


/* Footer Styles */

footer {
      background-color: hsl(291,5%,29%);
      color: ivory;
      text-align: center;
      font-size: 0.8em;
      font-variant:small-caps;
      padding-top: 5px;
      padding-bottom: 5px;
```

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```
}


/* Blockquote styles */
blockquote {
      margin-top: 80px;
      margin-left: 0;
      margin-right: 10px;
      margin-bottom: 40px;
      font-size: 1.2em;
      color: hsl(282,48%,44%);
      font-family: Baskerville, "Palatino Linotype", Palatino, "Century
Schoolbook L", "Times New Roman", serif;
      quotes: "\201C" "\201D" "\2018" "\2019" ;
}

blockquote::before {
      content: open-quote;
      font-size: 1.6em;
      font-weight: bold;
      font-family: 'Times New Roman', Times, serif;
}

blockquote::after {
      content: close-quote;
      font-size: 1.6em;
      font-weight: bold;
      font-family: 'Times New Roman', Times, serif;
}
```

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```
@charset "utf-8";

/*
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Case Problem 2

   Mountain Wheels Layout Styles
   Filename: mw_layout.css

*/


body {
      margin: 0 auto;
      width: 100%;
      max-width: 1020px;
      min-width: 640px;
}

body > header > img {
      width: 100%;
}

body > nav {
      width: 20%;
      float: left;
}

body > article#tour_summary {
      width: 50%;
      float: left;
      margin-left: 2%;
      margin-right: 2%;
}

body > aside#tour_itinerary {
      width: 24%;
      float: left;
      margin-right: 2%;
}

body > article#tour_summary > blockquote {
      float: right;
      width: 42%;
      margin: 10px;
}

body > footer {
      clear: left;
      width: 100%;
}


/* Navigation List Styles */
```

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1. Using your editor, open the mw_tour_txt.html and mw_styles_txt.css files from the html02 ▶ case2 folder. Enter your name and the date in the comment section of each file, and save them as mw_tour.html and mw_styles.css respectively

```
@charset "utf-8";

/*
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Case Problem 2

   Bike the Mountains Tour Style Sheet
   Author: Adriana Turchenko
   Date:   2017-03-01

   Filename: mw_styles.css

*/


/* Structural Styles */

html {
      background-color: rgb(173,189,227);
}

body {
      background-color: rgb(227,210,173);
      font-family: 'Century Gothic', sans-serif;
}

footer {
      background-color: rgb(208,184,109);
      padding-top: 5px;
      padding-bottom: 5px;
}

footer address {
      font-style: normal;
      text-align: center;
      font-size: 0.9em;
      padding-top: 10px;
      padding-bottom: 10px;
}


/* Heading Styles */

h1, h2 {
      font-weight: normal;
}


/* Navigation Styles */

nav > ul {
      list-style-type: none;
      line-height: 2em;
      font-size: 0.9em;
}
```

3. Go to the mw_styles.css file in your editor. At the top of the file, insert the @charset rule to set the encoding for this style sheet to utf-8

4. Go to the Structural Styles section and create a style rule that sets the background color of the browser window to rgb(173, 189, 227)

5. Create a style rule for the body element that sets the background color to rgb(227, 210, 173) and sets the body font to the font stack: 'Century Gothic', sans-serif

6. Create a style rule to display the body footer with a background color of rgb(208, 184, 109) and set the top and bottom padding space to 5 pixels

7. Create a style rule for the address element to display the text in a normal font with a font size of 0.9em, horizontally center the text, and set the top and bottom padding to 10 pixels

8. Go to the Heading Styles section and create a style rule to set the font weight of all h1 and h2 headings to normal

9. Go to the Navigation Styles section and create a style rule for the nav > ul selector that removes all list markers, sets the line height to 2em, and sets the font size to 0.9em

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```
nav a:link, nav a:visited {
      text-decoration: none;
      color: rgb(43,59,125);
}

nav a:hover, nav a:active {
      color: rgb(212,35,35);
}


/* Article Styles */

article#tour_summary h1 {
      font-size: 2.2em;
      letter-spacing: 0.2em;
}


article#tour_summary p {
      font-size: 1.1em;
}

article#tour_summary > p:first-of-type::first-line {
      font-variant: small-caps;
      font-size: 1.2em;
}


/* Aside Styles */

aside#tour_itinerary h1 {
      font-size: 1.2em;
}

aside#tour_itinerary h2 {
      font-size: 0.9em;
}

aside#tour_itinerary p {
      font-size: 0.8em;
}

aside#tour_itinerary h2:nth-of-type(even) {
      color: rgb(81,95,175);
}

aside#tour_itinerary p:nth-of-type(even) {
      color: rgb(81,95,175);
}

aside#tour_itinerary h2:nth-of-type(odd) {
      color: rgb(79,91,40);
}

aside#tour_itinerary p:nth-of-type(odd) {
      color: rgb(79,91,40);
}
```

10. For every previously visited or unvisited hypertext link within the navigation list, create a style rule to remove the underlining from the hypertext link and to set the text color to rgb(43, 59, 125)

11. For every hovered or active link within the navigation list, create a style rule to set the text color to rgb(212, 35, 35)

12. Adriana has put information about the tour in an article with the ID "tour_summary". Format this article, starting with the heading. Go to the Article Styles section and create a style rule for h1 elements nested within the tour_summary article that sets the font size to 2.2em and the letter spacing to 0.2em

13. Create a style rule for paragraphs within the tour_summary article that sets the font size to 1.1em

Explore 14. Adriana wants the first line in the tour_summary article to appear in small capital letters. Use the first-of-type pseudo-class and the first-line pseudo-element to create a style rule that displays the first line of the first paragraph within the tour_summary article at a font size of 1.2em and in small caps

15. The tour itinerary is displayed within an aside element with the ID tourjtinerary. Go to the Aside Styles section and for every h1 element nested within the tour_itinerary aside element, create a style rule that sets the font size to 1.2em

16. For every h2 element within the tour_itinerary aside element, set the font size to 0.9em

17. Set the font size of paragraphs within the tour_itinerary aside element to 0.8em

Explore 18. Adriana wants the text color of each day's schedule to alternate between gray and blue. Create the following style rules:
a. For odd-numbered h2 headings and paragraphs that set the font color to rgb(79, 91, 40).
(Hint: Use the nth-of-type(odd) pseudo-class.)
b. For even-numbered h2 headings and paragraphs that set the font color to rgb(81, 95, 175).
(Hint: Use the nth-of-type(even) pseudo-class.

```
/* Blockquote Styles */

blockquote {
      background-color: rgb(173,189,227);
      color: rgba(255, 255, 255, 0.65);
}

blockquote p {
      padding: 2.5px 10px;
}
```

19. The page contains a review within a block quote. Go to the Blockquote Styles section and create a style rule for the blockquote element that sets the background color to rgb(173, 189, 227) and the text color to the rgb(255, 255, 255) with an opacity of 0.65

20. For every paragraph within the blockquote element create a style rule that sets the top/bottom padding space to 2.5 pixels and the left/right padding space to 10 pixels

21. Save your changes to the file and then open the mw_tour.html file in your browser. Verify that your design matches that shown in Figure 2-55 including the format applied to the first paragraph of the tour_itinerary article and the alternating colors used in the listing of the itinerary days

1. Using your editor, open the mw_tour_txt.html and mw_styles_txt.css files from the html02 ► case2 folder. Enter your name and the date in the comment section of each file, and save them as mw_tour.html and mw_styles.css respectively

2. Go to the mw_tour.html file in your HTML editor. Within the document head, create links to the mw_layout.css and mw_styles.css style sheet files. Study the content and structure of the document and then close the file, saving your changes

```
<!doctype html>
<html>
<head>
<!--
    New Perspectives on HTML5 and CSS3, 7th Edition
    Tutorial 2
    Case Problem 2

    Bike the Mountains Tour
    Author: Adriana Turchenko
    Date:   2017-03-01

    Filename: mw_tour.html
   -->
   <meta charset="utf-8" />
   <title>Bike the Mountains Tour</title>
   <link href="mw_layout.css" rel="stylesheet" />
   <link href="mw_styles.css" rel="stylesheet" />
</head>


<body>

   <header id="pageheader">
      <img src="mw_logo.png" alt="Mountain Wheels" />
   </header>

   <nav>
      <ul>
         <li><a href="#">Home</a></li>
         <li><a href="#">Learn More</a></li>
         <li><a href="#">Testimonials</a></li>
         <li><a href="#">Route Maps</a></li>
         <li><a href="#">Register</a></li>
         <li><a href="#">Lodging</a></li>
         <li><a href="#">Meals</a></li>
         <li><a href="#">Training</a></li>
         <li><a href="#">Equipment</a></li>
         <li><a href="#">Forums</a></li>
         <li><a href="#">FAQs</a></li>
         <li><a href="#">Contact Us</a></li>
      </ul>
   </nav>

   <article id="tour_summary">
      <header>
         <h1>Bike the Mountains Tour</h1>
      </header>
      <p>The Bike the Mountains Tour rises from the town of Littleton,
         Colorado and explores the Colorado Front Range. Our tour
         crosses the Continental Divide twice, giving you the
         opportunity to bike the highest paved roads in the
```

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```
      United States. This tour is a classic showcase of Colorado's
      Rocky Mountain scenery.
   </p>
   <blockquote>
      <p>The Bike the Mountains Tour is <em>amazing</em>. I highly
         recommend it and would gladly return.
      </p>
      <p>&mdash; Steve H.</p>
   </blockquote>
   <p>Not designed for the weekend cyclist, this tour is offered
      only for those fit enough to ride high mountain passes. We
      provide sag wagons and support. Your lodging and meals are
      also part of the registration fee.
      We guarantee tough climbs, amazing sights, sweaty jerseys,
      and lots of fun.
   </p>
   <p>This is the seventh year we've offered the Bike the Mountains
      Tour. It is our most popular tour and riders are returning
      again and again. Our experienced tour leaders will be there
      to guide, help, encourage, draft, and lead you
      every stroke of the way. Come join us!
   </p>
</article>

<aside id="tour_itinerary">
   <header>
      <h1>Itinerary</h1>
   </header>

   <h2>Day 1</h2>
   <p>We start from the foothills above Littleton, Colorado,
      promptly at 9am. The first day is a chance to get
      your legs in shape, test your gearing, and prepare for
      what's to come.
   </p>

   <h2>Day 2</h2>
   <p>Day 2 starts with a climb up Bear Creek Canyon to Lookout
      Mountain, followed by a swift and winding descent into the
      town of Golden. Refresh yourself at the famous Coors Brewery.
   </p>

   <h2>Day 3</h2>
   <p>Day 3 takes you along the Peak to Peak Highway. This
      55-mile route showcases the mountains of the Front Range,
      providing amazing vistas from Golden Gate Canyon State Park
      to Rocky Mountain National Park.
   </p>

   <h2>Day 4</h2>
   <p>Now for the supreme challenge: Day 4 brings some real
      high-altitude cycling through Rocky Mountain National Park
```

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```
            and up Trail Ridge Road. It's an amazing ride, high above
            timberline, topping out at over 11,000 feet.
         </p>

         <h2>Day 5</h2>
         <p>We start Day 5 on the west side of the Continental Divide.
            From Grand Lake, you'll bike to Winter Park and then over
            Berthoud Pass, and back to the eastern side of
            the Continental Divide.
         </p>

         <h2>Day 6</h2>
         <p>On Day 6, we ride
            back to Littleton over Squaw Pass and Bear Creek and then
            enjoy a celebratory dinner as we share memories of a great
            tour.
         </p>
      </aside>

      <footer>
         <address>
            Mountain Wheels &#8855;
            Littleton, CO 80123 &#8855;
            (303) 555-5499
         </address>
      </footer>

</body>
</html>
```

```
<!doctype html>
<html>
<head>
   <!--
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Case Problem 1

   Philip Henslowe Classic Theatre
   Author: Randall Chen
   Date:   2017-03-01

   Filename: ph_plays.html
   -->
   <meta charset="utf-8" />
   <title>PHCT Play List</title>
   <link href="ph_layout.css" rel="stylesheet" />
   <link href="ph_styles.css" rel="stylesheet" />
</head>

<body>
   <header>
      <nav>
         <ul>
            <li><a href="#">home</a></li>
            <li><a href="#">plays</a></li>
            <li><a href="#">tickets</a></li>
            <li><a href="#">calendar</a></li>
            <li><a href="#">about PHCT</a></li>
            <li><a href="#">support</a></li>
         </ul>
      </nav>
      <img src="ph_logo.png" alt="Philip Henslowe Classic Theatre" />
   </header>
   <p>The upcoming season promises to be our best one yet. <a
href="#">Order</a> your tickets now for the plays shown
      below. </p>
   <section id="play1" class="playbill">
      <nav>
         <ul>
            <li><a href="#">summary</a></li>
            <li><a href="#">tickets</a></li>
            <li><a href="#">cast &amp; staff</a></li>
            <li><a href="#">news &amp; reviews</a></li>
            <li><a href="#">company notes</a></li>
         </ul>
      </nav>
      <h1>The Merry Wives of Windsor</h1>
      <aside>
         <dl>
            <dt>Written By</dt>
            <dd>William Shakespeare</dd>
```

1. Using your editor, open the ph_plays_txt.html and ph_styles_txt.css files from the html02 ▶ case1 folder. Enter your name and the date in the comment section of each file, and save them as ph_plays.html and ph_styles.css respectively

2. Go to the ph_plays.html file in your HTML editor, and within the document head create links to the ph_layout.css and ph_styles.css style sheet files. Take some time to study the content and structure of the document and then close the file, saving your changes

```
            <dt>Directed By</dt>
            <dd>Angela Drake</dd>
         </dl>
      </aside>
      <p>Corpulent mooch and layabout Sir John Falstaff decides his
path to riches
         lies in finding a wealthy woman to woo. He sets about writing
identical love
         letters to two married ladies in Windsor and though the
letters fail to have
         their intended effect, the ladies find it excellent sport to
pretend to play
         Falstaff's game. The result is a hilarious study of
         marriage and fidelity in one of Shakespeare's most popular
farces.</p>
   </section>
   <section id="play2" class="playbill">
      <nav>
         <ul>
            <li><a href="#">summary</a></li>
            <li><a href="#">tickets</a></li>
            <li><a href="#">cast &amp; staff</a></li>
            <li><a href="#">news &amp; reviews</a></li>
            <li><a href="#">company notes</a></li>
         </ul>
      </nav>
      <h1>A Streetcar named Desire</h1>
      <aside>
         <dl>
            <dt>Written By</dt>
            <dd>Tennessee Williams</dd>
            <dt>Directed By</dt>
            <dd>Stefan Arnaud</dd>
         </dl>
      </aside>
      <p>Aging southern beauty Blanche DuBois heads to New Orleans to
stay with her
         sister Stella and her quick-tempered husband Stanley.
Blanche’s frailty and
         unstable mental state mixed with Stanley’s violent
         temper make an explosive combination leading to a shocking
climax.
         A memorable story of love, hatred, and the quest for lasting
redemption.</p>
   </section>
   <section id="play3" class="playbill">
      <nav>
         <ul>
            <li><a href="#">summary</a></li>
            <li><a href="#">tickets</a></li>
            <li><a href="#">cast &amp; staff</a></li>
            <li><a href="#">news &amp; reviews</a></li>
```

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```
            <li><a href="#">company notes</a></li>
         </ul>
      </nav>
      <h1>Othello</h1>
      <aside>
         <dl>
            <dt>Written By</dt>
            <dd>William Shakespeare</dd>
            <dt>Directed By</dt>
            <dd>Arlen Peters</dd>
         </dl>
      </aside>
      <p>Esteemed general and leader Othello has  won the heart of the
lovely Desdemona; but
         not everyone is happy. Iago, perhaps Shakespeare's most fully
realized villain,
         whispers that Desdemona is unfaithful to play upon Othello's
jealousy and self-doubt.
         Can Iago turn Othello's distrustful temperament against him
and bring him down?
         Love and jealousy fight to the death in this classic
tragedy.</p>
   </section>
   <section id="play4" class="playbill">
      <nav>
         <ul>
            <li><a href="#">summary</a></li>
            <li><a href="#">tickets</a></li>
            <li><a href="#">cast &amp;amp; staff</a></li>
            <li><a href="#">news &amp;amp; reviews</a></li>
            <li><a href="#">company notes</a></li>
         </ul>
      </nav>
      <h1>The Importance of Being Earnest</h1>
      <aside>
         <dl>
            <dt>Written By</dt>
            <dd>Oscar Wilde</dd>
            <dt>Directed By</dt>
            <dd>Karen Templeton</dd>
         </dl>
      </aside>
      <p>John Worthing, a carefree young gentleman has a fictitious
brother, "Ernest," whose
         wicked ways afford John an excuse to leave his country home
and journey to London. John's
         friend in London, Algernon Moncrieff, has a cousin Gwendolen
whom John has wooed
         under the name of Ernest. Yet Gwendolen's mother, Lady
Bracknell, refuses to approve
         the proposed marriage unless John/Ernest can come up with
parents of a more respectable
```

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```
         nature than a handbag found at Victoria Station. Confused?
Don't worry it all comes out
         well in Wilde's popular and witty play of love, marriage, and
manners.</p>
   </section>
   <footer>
      <address>
      Philip Henslowe Classic Theatre &#10087; 20132 Mountain Dr.
      &#10087; Coeuer d'Alene, ID 83814  &#10087; 208.555.1087
      </address>
   </footer>
</body>
</html>
```

```
@charset "utf-8";

@font-face {
  font-family: Champagne;
  src: url(cac_champagne.woff) format('woff'),
       url(cac_champagne.ttf) format('ttf');
}

@font-face {
  font-family: Grunge;
  src: url(1942.woff) format('woff'),
       url(1942.ttf) format('ttf');
}

@font-face {
  font-family: Dobkin;
  src: url(DobkinPlain.woff) format('woff'),
       url(DobkinPlain.ttf) format('ttf');
}


/*
  New Perspectives on HTML5 and CSS3, 7th Edition
  Tutorial 2
  Case Problem 1

  PHCT Typographic Style Sheet
  Author: Randall Chen
  Date:   2017-03-01

  Filename: ph_styles.css

*/


/* Structural Styles */

html {
       background-color: hsl(91, 8%, 56%);
}

body {
       background-color: hsl(58, 31%, 84%);
       font-family: 'Palatino Linotype', 'Book Antiqua', Palatino, serif;
}

header {
       background-color: black;
```

3. Go to the ph_styles.css file in your editor, and at the top of the file before the comment section, define the character encoding used in the document as utf-8

4. Randall has several web fonts that he wants used for the titles of the plays produced by the company. Add the following web fonts to the style sheet, using @font-face rules before the comment section:
a. The Champagne font using the cac_champagne.woff and cac_champagne.ttf files
b. The Grunge font using the 1942.woff and 1942.ttf files
c. The Dobkin font using the DobkinPlain.woff and DobkinPlain.ttf files

5. Go to the Structural Styles section, creating a style rule that sets the background color of the html element to the value hsl(91, 8%, 56%)

6. Add a style rule for the body element to set the background color to the value hsl(58, 31%, 84%) and the font of the body text to the font stack: 'Palatino Linotype', 'Book Antiqua', Palatino, serif

7. Create a style rule for the header element that sets the background color to black

```
}

p {
        margin: 0px;
        padding: 5px 25px 25px 25px;
}

body > p {
        text-align: center;
        font-size: 1.1em;
}

address {
        font-style: normal;
        text-align: center;
        font-size: 0.9em;
        padding-top: 10px;
        padding-bottom: 10px;
}

/* Navigation Styles */

nav a {
        padding-top: 10px;
        padding-bottom: 10px;
        font-family: 'Trebuchet MS', Helvetica, sans-serif;
}

nav a:link, nav:visited {
        color: white;
        text-decoration: none;
        background-color: hsla(0,0%,42%,0.4);
}

nav a:hover, nav a:active {
        color: hsla(0,0%,100%,0.70);
        background-color: hsla(0, 0%, 42%, 0.7);
}


/* Section Styles */

section.playbill h1 {
        margin: 0px;
        padding: 20px 0px 10px 20px;
        font-weight: normal;
        font-size: 3em;
}
```

8. Create a style rule for every paragraph that sets the margin space to 0 pixels and the padding space to 5 pixels on top and 25 pixels on the right, bottom, and left

9. For paragraphs that are direct children of the body element, create a style rule that sets the font size to 1.1em and horizontally centers the paragraph text

10. Create a style rule for the address element that sets the font style to normal with a font size of 0.9em, horizontally centered on the page. Set the top and bottom padding to 10 pixels

11. Next, you'll format the appearance of navigation lists on the page. Go to the Navigation Styles section and create a style rule for the nav a selector that displays the hypertext links using the font stack 'Trebuchet MS', Helvetica, sans-serif, and sets the top and bottom padding to 10 pixels

12. For every unvisited and previously visited hypertext link within a nav element, set the text color to white, remove underlining from the link text, and set the background color to the semi-transparent value hsla(0, 0%, 42%, 0.4)

13. For every active or hovered link in a nav element, set the text color to the semi-transparent value hsla(0, 0%, 100%, 0.7) and set the background color to the semi-transparent value hsl(0, 0%, 42%, 0.7).

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```
section#play1 {
	background-color: hsl(240, 100%, 88%);
}

section#play1 h1 {
	font-family: Champagne, cursive;
}

section#play2 {
	background-color: hsl(25, 88%, 73%);
}

section#play2 h1 {
	font-family: Grunge, 'Times New Roman', Times, serif;
}

section#play3 {
	background-color: hsl(0, 100%, 75%);
}

section#play3 h1 {
	font-family: Impact, Charcoal, sans-serif;
}


section#play4 {
	background-color: hsl(296, 86%, 86%);
}

section#play4 h1 {
	font-family: Dobkin, cursive;
}


/* Definition List Styles */

dt {
	color: hsla(0, 0%, 0%, 0.4);
	font-weight: bold;
	font-size: 1.3em;
}

dd {
	font-size: 1.3em;
	margin-left: 0px;
	margin-bottom: 10px;
}
```

14. Go to the Section Styles section of the style sheet. In this section, you'll define the appearance of the four playbills. You'll start with the h1 headings from the sections. Create a style rule for the section.playbill hi selector that sets the font size to 3em and the font weight to normal. Set the margin space around the h1 headings to 0 pixels. Set the padding space to 20 pixels on top, 0 pixels on the right, 10 pixels on the bottom, and 20 pixels on the left

15. Each playbill section is identified by a different ID value ranging from play1 to play4. Create style rules that set a different background color for each playbill using the following background colors:
ID: play1 set to hsl(240, 100%, 88%) ID: play2 set to hsl(25, 88%, 73%) ID: play3 set to hsl(0, 100%, 75%) ID: play4 set to hsl(296, 86%,

16. Each playbill section heading will also have a different font. For the h1 headings within the four different playbills, create style rules to apply the following font stacks:
ID: play1 set to Champagne, cursive
ID: play2 set to Grunge, 'Times New Roman', Times, serif
ID: play3 set to Impact, Charcoal, sans-serif
ID: play4 set to Dobkin, cursive

17. Randall has put the author and the director of each play within a definition list. Format these definition lists now by going to the Definition List Styles section and creating a style rule for the dt element that sets the font size to 1.3em, the font weight to bold, and the font color to the semi-transparent value hsla(0, 0%, 0%, 0.4).

18. Create a style rule for every dd element to set the font size to 1.3em, the left margin space to 0 pixels, and the bottom margin space to 10 pixels.

19. Save your changes to the file and then open the ph_plays.html file in your browser. Verify that the typography and colors used in the document match those shown in Figure 2-54. Also, verify that, when you hover the mouse pointer over an item in the navigation lists for the entire page and for each play, the background color of the link becomes more opaque.

1. Use your HTML editor to open the tss_coach_txt.html and coach_styles_txt.css files from the html02 > review folder. Enter your name and the date in the comment section of each file, and save them as tss_coach.html and coach_styles.css respectively

2. Go to the tss_coach.html file in your editor and then within the document head, create links to the coach_layout.css and coach_styles.css style sheets

3. Take some time to study the content and structure of the file and then close the document, saving your changes

```
<!doctype html>
<html>
<head>
<!--
    New Perspectives on HTML5 and CSS3, 7th Edition
    Tutorial 2
    Review Assignment

    Tri and Succeed Sports
    Author: Alison Palmer
    Date:   2017-03-01

    Filename: tss_coach.html
   -->
   <meta charset="utf-8" />
   <title>Tri and Succeed Sports Coaches</title>
   <link href="coach_layout.css" rel="stylesheet" />
   <link href="coach_styles.css" rel="stylesheet" />
</head>

<body>
   <header>
      <img src="tss_logo.png" alt="Tri and Succeed Sports" />
   </header>

   <nav>
      <ul>
         <li><a href="tss_home.html">Home Page</a></li>
         <li><a href="tss_run.html">Running Class</a></li>
         <li><a href="tss_bike.html">Cycling Class</a></li>
         <li><a href="tss_swim.html">Swimming Class</a></li>
         <li><a href="tss_coach.html">Coaches</a></li>
         <li><a href="http://www.active.com/">Active.com</a></li>
         <li><a href="http://www.runnersworld.com/">Runner's
World</a></li>
         <li><a
href="https://www.endomondo.com/">endomondo.com</a></li>
         <li><a href="http://www.strava.com/">Strava</a></li>
         <li><a href="http://www.bicycling.com/">Bicycling
Magazine</a></li>
         <li><a
href="http://velonews.competitor.com/">VeloNews</a></li>
         <li><a href="http://bicycletutor.com/">Bicycle Tutor</a></li>
         <li><a href="http://www.swimsmooth.com/">Swim Smooth</a></li>
         <li><a href="http://www.swimmingworldmagazine.com/">Swimming
World</a></li>
         <li><a href="http://www.usaswimming.org/">USA
Swimming</a></li>
         <li><a
href="http://www.triathlon.org/">triathlon.org</a></li>
         <li><a
href="http://www.usatriathlon.org/">usatriathlon.org</a></li>
```

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```
         <li><a href="http://www.trifind.com/tx.html">Texas
Triathlons</a></li>
         <li><a href="http://www.captextri.com/">CapTex
Triathlon</a></li>
         <li><a href="http://www.trifind.com/">Triathlon
Calendar</a></li>
         <li><a
href="http://triathlon.competitor.com/">Triathlete.com</a></li>
         <li><a href="http://www.trifuel.com/">Trifuel.com</a></li>
      </ul>
   </nav>

   <section id="tss_coaches">
   <h1>Meet our Coaches</h1>
      <aside>
         <blockquote>
         I have been given great feedback and encouragement by the TSS
coaches.
         This last winter I took part in the Winter Cycling class and
it made a
         huge difference to my spring rides. The coaches are
         caring professionals and they know their business.
         </blockquote>
      </aside>
      <p>Our mission at TSS is to help you reach your athletic goals
through
      motivation, support, and education. We have years of experience
with athletes
      of all ages and abilities and we're happy to assist any athlete
      committed to pursuing his or her dreams.
      </p>
      <p>We offer one-on-one coaching, evaluation, and instruction;
but we also offer
      small group practices. Our classes are never large in number. We
believe that
      a low coach-to-athlete ratio provides the best results in the
shortest time.
      </p>
      <p>Come in and introduce yourself to our team of coaches and
educators.</p>
      <article class="coach_bio">
         <header>
            <h2>Alison Palmer</h2>
            <ul>
               <li>MA, CSCS, USAT Level II Coach</li>
               <li>Exercise Physiologist and Biomechanic
Specialist</li>
               <li>Owner of <em>Tri and Succeed Sports</em></li>
            </ul>
         </header>
         <img src="coach1.png" alt="" />
```

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```
         <p>Alison brings an extensive background in physiology and
biomechanics to TSS
         and 18 years of experience coaching in the health and fitness
field.  She is
         a USA Triathlon Level II Certified coach and is certified in
strength,
         conditioning, and bike fitting. Before founding <em>Tri and
Succeed Sports</em>,
         Alison built a private training studio for local
athletes.</p>
         <p>Alison was a lettered volleyball player at the University
of Texas
         and she picked up the sport of triathlon after graduation.
Triathlons have been her
         passion ever since. She has competed in many short- to long-
distance running,
         cycling, and triathlon events including multiple races in IM
Texas, IM Brazil,
         and IM Chicago.</p>
         <p>Alison wants to provide personalized instruction to her
athletes. She
         believes an educated athlete is an athlete primed for
success. Under her
         instruction, you will learn not only what to do but why to do
it.</p>
      </article>

      <article class="coach_bio">
         <header>
            <h2>Kevin Hughes</h2>
            <ul>
               <li>BS, USAT Level I</li>
               <li>Kinesiologist</li>
            </ul>
         </header>
         <img src="coach2.png" alt="" />
         <p>Kevin is a student of body mechanics. In addition to a
Bachelor's degree
         in Kinesiology, Kevin brings certification in Swim
Instruction and
         coaching. He has coached numerous recreational and elite
athletes, including
         Sprint and Ironman triathletes.</p>
         <p>In addition to coaching individual athletes, Kevin has
coached a variety
         of teams and groups. Kevin coached Swimming and Cross Country
at Austin High
         School and Palmer Country Day School. As Head Coach, his swim
teams set
         school records in 9 out of 11 events, won the Mid-Texas
Conference Championship,
```

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```
         and consistently finished in the top 3 at the Small School
State meet.
         Kevin currently coaches the Masters swim classes at TSS.</p>
         <p>Since being talked into his first triathlon at 16, Kevin
has always
         enjoyed the challenge the sport provides. His motivation
comes from the
         desire to improve himself, not the desire to beat others.
Starting as a
         middle of the pack athlete, his initial goal was to work his
way through
         the distances which culminated with an Ironman finish in
2010. Bill remains
         a student of the sport while helping others achieve their
fitness
         and racing goals.</p>
      </article>

      <article class="coach_bio">
         <header>
            <h2>Tammy Whitmore</h2>
            <ul>
               <li>USAT Level I</li>
               <li>Certified Triathlon Trainer</li>
               <li>Certified Nutritionist</li>
            </ul>
         </header>
         <img src="coach3.png" alt="" />
         <p>Fitness has always been a part of Tammy's life.  Whether
it was running,
         cycling, or strength conditioning she has dedicated herself
to fitness
         and a healthy lifestyle. Trained as a mechanical designer,
Tammy has
         designed commercial strength products used in health
         clubs around the country. Her interests led her to TSS, first
as one of
         our athletes and then, 4 years ago, as  a member of the
staff.</p>
         <p>After completing her USAT certification training, Tammy
designed the
         course of workouts we use with our runners and cyclists.
Tammy is also
         our nutritionist; she believes that reaching one's fitness
goals requires
         a holistic approach in which what goes into the body is as
important as
         what comes out.</p>
         <p>Coming from an engineering background, Tammy looks at
things from an
         analytical point of view.  Recently Tammy completed two
seminars on
```

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```
         cycling with power meters. Tammy believes in continuing
education and
         has set her sights on receiving her USAT Level II
certification and
         USAT youth coaching certification.</p>
      </article>
   </section>

   <footer>
      <address>
      Tri and Succeed Sports &amp;#8226; 41 Venture Dr. &amp;#8226; Austin, TX
      78711 &amp;#8226; 512.555.9917
      </address>
   </footer>
</body>
</html>
```

Grading Rubric – NP HTML5 and CSS3, 7e
Tutorial 2, Case Problem 1

Class:
Professor:
Notes:

Description	Pts	Your Score
1. Using your editor, open the ph_plays_txt.html and ph_styles_txt.css files from the html02 ► case1 folder. Enter your name and the date in the comment section of each file, and save them as **ph_plays.html** and **ph_styles.css** respectively.	1	
2. Go to the **ph_plays.html** file in your HTML editor, and within the document head create links to the ph_layout.css and **ph_styles.css** style sheet files. Take some time to study the content and structure of the document and then close the file, saving your changes.	2	
3. Go to the **ph_styles.css** file in your editor, and at the top of the file before the comment section, define the character encoding used in the document as utf-8.	2	
4. Randall has several web fonts that he wants used for the titles of the plays produced by the company. Add the following web fonts to the style sheet, using @font-face rules before the comment section: a. The Champagne font using the cac_champagne.woff and cac_champagne.ttf files b. The Grunge font using the 1942.woff and 1942.ttf files c. The Dobkin font using the DobkinPlain.woff and DobkinPlain.ttf files	3	
5. Go to the Structural Styles section, creating a style rule that sets the background color of the html element to the value hsl(91, 8%, 56%).	2	
6. Add a style rule for the body element to set the background color to the value hsl(58, 31%, 84%) and the font of the body text to the font stack: 'Palatino Linotype', 'Book Antiqua', Palatino, serif.	2	
7. Create a style rule for the header element that sets the background color to black.	2	
8. Create a style rule for every paragraph that sets the margin space to 0 pixels and the padding space to 5 pixels on top and 25 pixels on the right, bottom, and left.	2	
9. For paragraphs that are direct children of the body element, create a style rule that sets the font size to 1.1em and horizontally centers the paragraph text.	2	
10. Create a style rule for the address element that sets the font style to normal with a font size of 0.9em, horizontally centered on the page. Set the top and bottom padding to 10 pixels.	3	
11. Next, you'll format the appearance of navigation lists on the page. Go to the Navigation Styles section and create a style rule for the nav a selector that displays the hypertext links using the font stack 'Trebuchet MS', Helvetica, sans-	3	

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serif, and sets the top and bottom padding to 10 pixels.		
12. For every unvisited and previously visited hypertext link within a nav element, set the text color to white, remove underlining from the link text, and set the background color to the semi-transparent value hsla(0, 0%, 42%, 0.4).	**4**	
13. For every active or hovered link in a nav element, set the text color to the semi-transparent value hsla(0, 0%, 100%, 0.7) and set the background color to the semi-transparent value hsl(0, 0%, 42%, 0.7).	**3**	
14. Go to the Section Styles section of the style sheet. In this section, you'll define the appearance of the four playbills. You'll start with the h1 headings from the sections. Create a style rule for the section.playbill hi selector that sets the font size to 3em and the font weight to normal. Set the margin space around the h1 headings to 0 pixels. Set the padding space to 20 pixels on top, 0 pixels on the right, 10 pixels on the bottom, and 20 pixels on the left.	**4**	
15. Each playbill section is identified by a different ID value ranging from play1 to play4. Create style rules that set a different background color for each playbill using the following background colors: ID: play1 set to hsl(240, 100%, 88%) ID: play2 set to hsl(25, 88%, 73%) ID: play3 set to hsl(0, 100%, 75%) ID: play4 set to hsl(296, 86%, 86%)	**4**	
16. Each playbill section heading will also have a different font. For the h1 headings within the four different playbills, create style rules to apply the following font stacks: ID: play1 set to Champagne, cursive ID: play2 set to Grunge, 'Times New Roman', Times, serif ID: play3 set to Impact, Charcoal, sans-serif ID: play4 set to Dobkin, cursive	**4**	
17. Randall has put the author and the director of each play within a definition list. Format these definition lists now by going to the Definition List Styles section and creating a style rule for the dt element that sets the font size to 1.3em, the font weight to bold, and the font color to the semi-transparent value hsla(0, 0%, 0%, 0.4).	**3**	
18. Create a style rule for every dd element to set the font size to 1.3em, the left margin space to 0 pixels, and the bottom margin space to 10 pixels.	**3**	
19. Save your changes to the file and then open the **ph_plays.html** file in your browser. Verify that the typography and colors used in the document match those shown in Figure 2-54. Also, verify that, when you hover the mouse pointer over an item in the navigation lists for the entire page and for each play, the background color of the link becomes more opaque.	**1**	
TOTAL	**50**	

YOUR SCORE: _____

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Grading Rubric – NP HTML5 and CSS3, 7e
Tutorial 2, Case Problem 2

Class:
Professor:
Notes:

Description	Pts	Your Score
1. Using your editor, open the mw_tour_txt.html and mw_styles_txt.css files from the html02 ► case2 folder. Enter your name and the date in the comment section of each file, and save them as mw_tour.html and mw_styles.css respectively.	**1**	
2. Go to the mw_tour.html file in your HTML editor. Within the document head, create links to the mw_layout.css and mw_styles.css style sheet files. Study the content and structure of the document and then close the file, saving your changes.	**2**	
3. Go to the mw_styles.css file in your editor. At the top of the file, insert the @charset rule to set the encoding for this style sheet to utf-8.	**2**	
4. Go to the Structural Styles section and create a style rule that sets the background color of the browser window to rgb(173, 189, 227).	**2**	
5. Create a style rule for the body element that sets the background color to rgb(227, 210, 173) and sets the body font to the font stack: 'Century Gothic', sans-serif.	**2**	
6. Create a style rule to display the body footer with a background color of rgb(208, 184, 109) and set the top and bottom padding space to 5 pixels.	**3**	
7. Create a style rule for the address element to display the text in a normal font with a font size of 0.9em, horizontally center the text, and set the top and bottom padding to 10 pixels.	**2**	
8. Go to the Heading Styles section and create a style rule to set the font weight of all h1 and h2 headings to normal.	**2**	
9. Go to the Navigation Styles section and create a style rule for the nav > ul selector that removes all list markers, sets the line height to 2em, and sets the font size to 0.9em.	**3**	
10. For every previously visited or unvisited hypertext link within the navigation list, create a style rule to remove the underlining from the hypertext link and to set the text color to rgb(43, 59, 125).	**4**	
11. For every hovered or active link within the navigation list, create a style rule to set the text color to rgb(212, 35, 35).	**3**	

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12. Adriana has put information about the tour in an article with the ID "tour_summary". Format this article, starting with the heading. Go to the Article Styles section and create a style rule for h1 elements nested within the tour_summary article that sets the font size to 2.2em and the letter spacing to 0.2em.	**3**	
13. Create a style rule for paragraphs within the tour_summary article that sets the font size to 1.1em.	**2**	
Explore 14. Adriana wants the first line in the tour_summary article to appear in small capital letters. Use the first-of-type pseudo-class and the first-line pseudo-element to create a style rule that displays the first line of the first paragraph within the tour_summary article at a font size of 1.2em and in small caps.	**4**	
15. The tour itinerary is displayed within an aside element with the ID tourjtinerary. Go to the Aside Styles section and for every h1 element nested within the tour_itinerary aside element, create a style rule that sets the font size to 1.2em.	**2**	
16. For every h2 element within the tour_itinerary aside element, set the font size to 0.9em.	**2**	
17. Set the font size of paragraphs within the tour_itinerary aside element to 0.8em.	**2**	
Explore 18. Adriana wants the text color of each day's schedule to alternate between gray and blue. Create the following style rules: a. For odd-numbered h2 headings and paragraphs that set the font color to rgb(79, 91, 40). (Hint: Use the nth-of-type(odd) pseudo-class.) b. For even-numbered h2 headings and paragraphs that set the font color to rgb(81, 95, 175). (Hint: Use the nth-of-type(even) pseudo-class.)	**4**	
19. The page contains a review within a block quote. Go to the Blockquote Styles section and create a style rule for the blockquote element that sets the background color to rgb(173, 189, 227) and the text color to the rgb(255, 255, 255) with an opacity of 0.65.	**2**	
20. For every paragraph within the blockquote element create a style rule that sets the top/bottom padding space to 2.5 pixels and the left/right padding space to 10 pixels.	**2**	
21. Save your changes to the file and then open the mw_tour.html file in your browser. Verify that your design matches that shown in Figure 2-55 including the format applied to the first paragraph of the tour_itinerary article and the alternating colors used in the listing of the itinerary days.	**1**	
TOTAL	**50**	

YOUR SCORE: _____

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Grading Rubric – NP HTML5 and CSS3, 7e
Tutorial 2, Case Problem 3

Class:
Professor:
Notes:

Description	Pts	Your Score
1. Using your editor, open the cw_class_txt.html and cw_styles_txt.css files from the html02 ► case3 folder. Enter your name and the date in the comment section of each file, and save them as **cw_class.html** and **cw_styles.css** respectively.	**1**	
2. Go to the **cw_class.html** file in your HTML editor. Within the document head, create a link to the **cw_styles.css** style sheet file.	**1**	
Explore 3. Using the Google Fonts website, locate the Limelight font. Copy the code for the link element to use this font and paste the copied code to the document head in the **cw_class.html** file.	**3**	
4. Study the content and structure of the **cw_class.html** file and then close the file, saving your changes.	**1**	
5. Go to the **cw_styles.css** file in your editor. At the top of the file, define the character encoding as utf-8.	**1**	
Explore 6. On the next line, use the @import rule to import the contents of the cw_layout.css file into the style sheet.	**3**	
7. Go to the Structural Styles section. Within that section create a style rule to set the background color of the browser window to rgb(151, 151, 151).	**2**	
8. Create a style rule to set the background color of the page body to rgb(180, 180, 223) and set the body text to the font stack: Verdana, Geneva, sans-serif.	**2**	
9. Display all h1 and h2 headings with normal weight.	**2**	
10. Create a style rule for every hypertext link nested within a navigation list that removes underlining from the text.	**2**	
11. Create a style rule for the footer element that sets the text color to white and the background color to rgb(101, 101, 101). Set the font size to 0.8em. Horizontally center the footer text, and set the top/bottom padding space to 1 pixel.	**4**	
12. Next, you'll format the body header that displays the name of the university. Go to the Body Header Styles section and, for the body > header selector, create a style rule that sets the background color to rgb(97, 97, 211).	**4**	

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13. The university name is stored in an h1 heading. Create a style rule for the h1 heading that is a direct child of the body header that sets the font size to 4vw with the color value rgba(255, 255, 255, 0.8). Display the text with the font stack: Limelight, cursive. Set the margin space to 0 pixels.	**4**	
14. The last word of the h1 heading text is enclosed within a span element. Create a style rule for the span element nested within the h1 heading that is nested within the body header, setting the text color to rgba(255, 255, 255, 0.4).	**4**	
15. Go the Navigation Styles section. In this section, you format the navigation list that has the ID mainLinks. For hypertext links within this navigation list, set the top and bottom padding space to 5 pixels.	**4**	
16. For previously visited and unvisited links within the mainLinks navigation list, create a style rule that displays the hypertext links in a white font.	**2**	
17. For hovered or active links within the mainLinks navigation list, create a style rule that displays the hypertext links in white with an opacity of 0.8 and set the background color to the value rgba(51, 51, 51, 0.5).	**2**	
18. Go to the Outline Styles section. In this section, you'll format the course outline that appears on the page's left column. The navigation list in this outline has the ID outline. Create a style rule for this navigation list that sets the text color to rgb(51, 51, 51) and the font size to 0.8em.	**3**	
19. Horizontally center the h1 headings within the outline navigation list.	**1**	
20. For the first level ol elements that are a direct child of the outline navigation list, create a style rule that sets the line height to 2em, the top/bottom margin to 0 pixels and the left/right margin to 5 pixels. Display the list marker as an upper-case Roman numeral.	**3**	
21. Display the second level of ol elements nested within the outline navigation list with an upper-case letter as the list marker.	**2**	
22. Display all previously visited and unvisited links in the outline navigation list using the color value rgb(101, 101, 101).	**2**	
23. Display hovered and active links in the outline navigation list using the color value rgb(97, 97, 211) with the text underlined.	**2**	
24. Go to the Section Styles section. In this section, format the description of the course. Create a style rule that sets the background color of the section element to rgb(220, 220, 220).	**2**	
25. Format the heading of this section by creating a style rule for the section header hi selector that sets the font size of 2.2em and the left padding space to 10 pixels.	**3**	
26. Go to the Article Styles section and create a style rule for h2 headings within the article element that sets the font size to 1.4em.	**2**	
Explore 27. Display the first letter of the first paragraph within the article element with a font size of 2em and vertically aligned with the baseline of the surrounding text. (Hint: Use the first-of-type pseudo-class and the first-letter pseudo-element.)	**3**	

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28. Information about Peter Craft has been placed in an aside element. Go to the Aside Styles section and create a style rule that sets the font size of text in the aside element to 0.9em.	**2**	
29. For h1 headings nested within the aside element, create a style rule that sets the font size to 1.4em and horizontally centers the text.	**2**	
30. Save your changes to the file and then open the cw_class.html file in your browser. Verify that the appearance of the page resembles that shown in Figure 2-56. Confirm that when you change the width of the browser window, the size of the page heading text changes in response to setting the heading text using the vw unit.	**1**	
TOTAL	**70**	

YOUR SCORE: _____

Grading Rubric – NP HTML5 and CSS3, 7e
Tutorial 2, Case Problem 4

Class:
Professor:
Notes:

Description	Pts	Your Score
1, Using your editor, open the lake_home_txt.html and lake_styles_txt.css files from the html02 ► case4 folder. Save them as lake_home.html and lake_styles.css respectively	**2**	
2. Go to the lake_home.html file in your editor and link it to the lake_layout.css and lake_styles.css style sheet file. Take some time to study the content and structure of the document and then save your changes to the file	**4**	
3. Go to the lake_styles.css file in your editor and begin creating the color scheme and typographic styles for the lodge's home page. The final design is up to you but it should include the following features: • Definition of the character encoding used in the style sheet file • Application of a web font (Two fonts are supplied for you in the html02 ► case4 folder.) • Setting background and text colors using both color values and color names • An application of a semi-transparent color • Selectors showing style rules applied to nested elements, child elements, and elements based on the id attribute • Styles that modify the appearance of list and list markers • Use of pseudo-elements and pseudo-classes as selectors • Styles that modify the padding space and margin space around an element • A style rule to generate content in the rendered page	**40**	
4. Include informative style comments throughout the style sheet	**3**	
5. Save your completed style sheet	**1**	
TOTAL	**50**	

YOUR SCORE: _____

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Grading Rubric – NP HTML5 and CSS3, 7e
Tutorial 2, Review

Class:
Professor:
Notes:

Description	Pts	Your Score
1. Use your HTML editor to open the tss_coach_txt.html and coach_styles_txt.css files from the html02 > review folder. Enter your name and the date in the comment section of each file, and save them as **tss_coach.html** and **coach_styles.css** respectively.	**1**	
2. Go to the **tss_coach.html** file in your editor and then within the document head, create links to the coach_layout.css and **coach_styles.css** style sheets.	**2**	
3. Take some time to study the content and structure of the file and then close the document, saving your changes.	**1**	
4. Go to the **coach_styles.css** file in your editor. At the top of the file and before the comment section do the following: a. Insert an @charset rule to set the character encoding for the file to utf-8. b. Use the @font-face rule to define a web font named Nobile, which is based on the nobile-webfont.woff file and, if that format is not supported, on the nobile-webfont.ttf file.	**4**	
5. Go to the Main Structural Styles section and do the following: a. Change the background color of the browser window by creating a style rule for the html element that sets the background color to the value hsl(27, 72%, 72%). b. For the body element, create a style rule to set the text color to the value rgb(91, 91, 91), the background color to ivory, and body text to the font stack: Verdana, Geneva, sans-serif.	**4**	
6. Create a style rule for the body > footer address selector containing the following styles: a. The background color set to the value rgb(222, 128, 60) b. The font color to white and then to the semitransparent value rgba(255, 255, 255, 0.6) c. The font style to normal displayed in bold small capital letters with a font size of 0.9em and a line height of 3em using the font stack Nobile, Verdana, Geneva, sans-serif d. The text horizontally centered on the page	**8**	
7. Go to the Heading Styles section and create a style rule for every h1 heading that displays the text with a normal font weight from the font stack: Nobile, Verdana, Geneva, sans-serif. Set the letter spacing to 0.2em and the margin to 0 pixels.	**2**	

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8. Alison wants you to format the main h1 heading at the top of the page. Create a style rule for the section#tss_coaches hi selector that sets the font size to 2.5em with a color value of hsl(27, 82%, 85%) and background color of hsl(27, 6%, 21%). Set the left padding space to 10 pixels.	**3**	
9. Alison also wants you to format the h2 headings for each coach. Create a style rule for the article.coach_bio h2 selector that sets the font size to 1.6em with normal weight and the font color to rgb(240, 125, 0).	**3**	
10. Alison has inserted a comment from an athlete about the coaches. Format this comment by going to the Blockquote Styles section and creating a style rule for the aside blockquote selector to do the following: a. Set the font size to 0.95em using the font stack 'Comic Sans MS', cursive. b. Set the font color to rgb(222, 128, 60) and use a semi-transparent background color with the value rgba(255, 2555, 255, 0.75). c. Set the padding space to 10 pixels. d. Define opening and closing quotes for the element using the Unicode character 201C and 201D respectively.	**8**	
11. Format the appearance of the opening quotes by creating a style rule for the aside blockquote::before selector to write a boldfaced open quote before the block quote with the font size set to 1.6em from the font stack 'Times New Roman', Times, serif.	**2**	
12. Format the appearance of the closing quotes by creating a style rule for the aside blockquote::after selector to write a boldfaced open quote after the block quote with the font size once again set to 1.6em from the font stack 'Times New Roman', Times, serif.	**2**	
13. Next, you'll format the appearance of the navigation list by going to the Navigation Styles section and creating a style rule for body > nav selector that sets the text of the navigation list in a 0.8em font size with a line height of 2em.	**2**	
14. Create a style rule for the nav > ul selector that removes the list marker and sets the left padding to 5 pixels.	**2**	
15. Alison wants to break up the long list of links in the navigation list. Create style rules for the 6th and 16th li elements within the nav > ul selector that sets the size of the top margin of those items to 20 pixels.	**2**	
16. For every previously visited or unvisited hypertext link within the nav > ul > li selector, set the text to the RGB color value rgb(151, 151, 151) and remove the underlining from the text link.	**2**	
17. For every hovered or active hypertext link within the nav > ul > li selector, set the text color to RGB value rgb(222, 128, 60) and underline the hypertext link.	**2**	
18. Go to the Paragraph Styles section and insert a style rule that sets the top margin and bottom margin to 10 pixels, the right margin to 30 pixels, and the left margin to 0 pixels for every paragraph in the document.	**2**	

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19. Every coach has a list of accomplishments. Go to the List Styles section and insert a style rule for the article.coach_bio > header > ul selector that displays the check.png file as the list marker and sets the margin space to 0 pixels, except for the bottom margin, which should be set to 10 pixels.	**2**	
20. Save your changes to the style sheet and then open the **tss_coach.html** file in your browser. Verify that the color and typography match that shown in Figure 2-53. Verify that when you hover the mouse pointer over the links in the navigation list the text is displayed in an underlined orange font.	**1**	
TOTAL	**55**	

YOUR SCORE: _____

Grading Rubric – NP HTML5 and CSS3, 7e
Tutorial 2, Tutorial

Class:
Professor:
Notes:

Description	Pts	Your Score
Use your editor to open the tss_home_txt.html file from the html02 > tutorial folder. Enter your name and the date in the comment section of the file and save the document as tss_home.html.	1	
tss_home.html file: add the following link element to the head section directly after the title element: <link href="tss_layout.css" rel="stylesheet" />	2	
tss_styles.css file: Within the comment section at the top of the file, enter your name following the Author: comment and the date following the Date: comment.	1	
Return to the tss_home.html file in your HTML editor and add the following link element directly before the closing </head> tag. <link href="tss_styles.css" rel="stylesheet" />	1	
tss_styles.css: Directly above the initial comment section, insert the line: @charset "utf-8".	1	
Add the following code within the HTML and Body Styles section: html { background-color: hsl(27, 72%, 72%); } body { color: rgb(91, 91, 91); background-color: ivory; }	2	
Add the following style rules within the Heading Styles section: h1 { color: white; background-color: rgb(222, 128, 60); } h2 { color: white; background-color: rgb(235, 177, 131); }	2	
tss_styles.css: Within the Aside and Blockquote Styles section, insert the following style rule: aside blockquote { color: rgb(232, 165, 116); }	2	
Within the Aside and Blockquote Styles section, insert the following style rule: aside blockquote { color: rgb(232, 165, 116); }	2	
Change the selectors for the h1 and h2 elements in the Heading Styles section to article#about_tss h1 and article#about_tss h2 respectively.	2	
Use your editor to open the tss_run_txt.html, tss_bike_txt.html, and tss_swim_txt.html files from the html02 > tutorial folder. Enter your name and the date in the comment section of each file and save them as tss_run.html, tss_bike.html, and tss_swim.html respectively.	1	
Within each of the three files insert the following link elements before the closing </head>	2	

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tag to link these files to the tss_layout.css and tss_styles.css files, respectively: <link href="tss_layout.css" rel="stylesheet" /> <link href="tss_styles.css" rel="stylesheet" />		
Within the Heading Styles section, add the following style rule to display the text of h1 and h2 headings in medium gray on a light purple background: article.syllabus h1, article.syllabus h2 { background-color: rgb(255, 185, 255); color: rgb(101, 101, 101); }	**2**	
tss_styles.css file: Add the following style to the style rule for the body element: font-family: Verdana, Geneva, sans-serif;	**1**	
tss_styles.css file: Directly after the @charset rule at the top of the file, insert the following @font-face rule: @font-face { font-family: Quicksand; src: url('Quicksand-Regular.woff') format('woff'), url('Quicksand-Regular.ttf') format('truetype'); }	**3**	
At the top of the section for Heading Styles, insert the style rule: h1, h2 { font-family: Quicksand, Verdana, Geneva, sans-serif; }	**2**	
tss_styles.css file: Add the following style rules directly below the Heading Styles comment to define the font sizes for h1 and h2 headings throughout the website: h1 { font-size: 2.2em; } h2 { font-size: 1.5em; }	**2**	
Go to the Aside and Blockquote Styles section and add the following style rule to set the default font size of text in the aside element to 0.8em: aside { font-size: 0.8em; }	**2**	
Go to the Navigation Styles section and add the following style rule to set the default font size of text in the navigation list to 0.8em: nav { font-size: 0.8em; }	**1**	
In the Heading Styles section, insert the following style as part of the style rule for the h1, h2 selector: letter-spacing: 0.1em; • Scroll down to the Navigation Styles section near the bottom of the file and insert the following style rule for the text of ul elements nested within the nav element: nav > ul { line-height: 2em; }	**3**	
Go down to the Footer Styles section and add the following style rule: body > footer address { background-color: rgb(222,128,60); color: white; color: rgba(255, 255, 255, 0.7); font: normal small-caps bold 0.9em/3em Quicksand, Verdana, Geneva, sans-serif; text-align: center; }	**3**	

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Scroll down to the List Styles section and insert the following style rules to format nested ordered lists within the syllabus article: article.syllabus ol { list-style-type: upper-roman; } article.syllabus ol ol { list-style-type: upper-alpha; } article.syllabus ol ol ol { list-style-type: decimal; }	**2**	
Go to the Navigation Styles section and, within the style rule for the nav > ul selector, add the style list-style-type: none;	**2**	
At the top of the List Styles section, insert the following style rule: article#about_tss ul { list-style-image: url(runicon.png); }	**2**	
Locate the nav > ul style rule in the Navigation Styles section and insert the style padding-left: 5px;.	**2**	
Directly below the style rule for the nav > ul selector in the Navigation Styles section, insert the following rule: nav > ul > li.newgroup { margin-top: 20px; }	**2**	
Locate the style rule for the aside blockquote selector in the Aside and Blockquote Styles section and insert the margin: 20px 5px; style into the style rule.	**1**	
Go to the List Styles section at the bottom of the style sheet, delete the article#about_tss ul style rule that sets the list style image marker and replace it with the following three style rules: article#about_tss ul li:first-of-type { list-style-image: url(runicon.png); } article#about_tss ul li:nth-of-type(2) { list-style-image: url(bikeicon.png); } article#about_tss ul li:last-of-type { list-style-image: url(swimicon.png); }	**2**	
Go to the Navigation Styles section and insert the following style rules for hypertext links that have been visited or not visited. nav > ul > li > a:link, nav > ul > li > a:visited { color: rgb(151, 151, 151); text-decoration: none; }	**2**	
Add the following new style rules for links that are being hovered over or are active: nav > ul > li > a:hover, nav > ul > li > a:active { color: rgb(255, 64, 255); text-decoration: underline; }	**2**	
Go to the Aside and Blockquote Styles section and, within the style rule for the aside blockquote selector, insert the following quotes property to use curly quotes for the quotation marks: quotes: "\201C" "\201D";	**2**	
Add the following style rules to insert quotation marks before and after each block quote in the aside element: aside blockquote::before {	**3**	

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content: open-quote; font-family: 'Times New Roman', Times, serif; font-size: 1.6em; font-weight: bold; } aside blockquote::after { content: close-quote; font-family: 'Times New Roman', Times, serif; font-size: 1.6em; font-weight: bold; }		
Total	**60**	

YOUR SCORE: _____

Use your editor to open the tss_run_txt.html, tss_bike_txt.html, and tss_swim_txt.html files from the html02 > tutorial folder. Enter your name and the date in the comment section of each file and save them as tss_run.html, tss_bike.html, and tss_swim.html respectively.

```
<!doctype html>
<html>
<head>
<!--
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Tutorial Case

   TSS Cycling Class
   Author: Alison Palmer
   Date:   2017-03-01

   Filename: tss_bike.html
  -->
  <meta charset="utf-8" />
  <title>TSS Cycling Class</title>
  <link href="tss_layout.css" rel="stylesheet" />
  <link href="tss_styles.css" rel="stylesheet" />
</head>

<body>
  <header>
    <img src="tss_logo.png" alt="Tri and Succeed Sports" />
  </header>

  <nav>
    <ul>
      <li><a href="tss_home.html">Home</a></li>
      <li><a href="tss_run.html">Running</a></li>
```

Within each of the three files insert the following link elements before the closing </head> tag to link these files to the tss_layout.css and tss_styles.css files, respectively:
<link href="tss_layout.css" rel="stylesheet" />
<link href="tss_styles.css" rel="stylesheet" />

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```
    <li><a href="tss_bike.html">Cycling</a></li>
    <li><a href="tss_swim.html">Swimming</a></li>
  </ul>
</nav>

<article class="syllabus">
  <h1>Improving your Cycling</h1>
  <p>TSS offers its 10<sup>th</sup> indoor season of cycle training this
  winter. Bring in your road bike and connect it to our VirtualRoad
  cycling trainer. VirtualRoad is a fully equipped system with over
  250 courses providing real-time feedback on power, heart rate, speed,
  and stroke efficiency. The first weeks will include a lot of low
  intensity cycling and stroke analysis to build a strong base for later
  classes. This is a fully coached course led by Alison Palmer, MA, CSCS,
  USAT Level II and David Young, BS, USAT Level I. Our TSS Coaches will
  not be working out while you are; they will be focusing on improving
  your form during your workout for you to get the best results. By the
  end of the course we will move into workouts of greater intensity and
  duration to prepare for the upcoming summer.</p>
  <p>The course meets for 90 minutes twice a week. You have the choice
  among the following morning and evening sessions:</p>

  <ul>
    <li>6:00 AM - 7:30 AM (WF)</li>
    <li>5:00 PM - 6:30 PM (TR)</li>
    <li>7:00 PM - 8:30 PM (WF)</li>
  </ul>

  <h2>Course Outline</h2>
```

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```
<p>Make sure you bring your road bike to all classes. We do not have
spare bike for you to use!</p>

<ol>
  <li>Week 1
    <ol>
      <li>Orientation
        <ol>
          <li>Bike Fitting</li>
          <li>Learning about the Trainer</li>
          <li>Interpreting Biofeedback</li>
        </ol>
      </li>
      <li>Your Cycling Posture</li>
      <li>Stroke Analysis</li>
      <li>Initial Time Trial</li>
    </ol>
  </li>
  <li>Week 2
    <ol>
      <li>Stroke Analysis</li>
      <li>Proper Pedaling Technique</li>
      <li>Improving your Cadence</li>
    </ol>
  </li>
  <li>Week 3
    <ol>
      <li>Power Analysis</li>
      <li>Lactate Thresholds</li>
```

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```
  </ol>
</li>
<li>Week 4
  <ol>
    <li>Power Intervals Phase 1</li>
    <li>Power Intervals Phase 2</li>
    <li>Hill Climbing</li>
  </ol>
</li>
<li>Week 5
  <ol>
    <li>Stroke Analysis</li>
    <li>Efficiency Drills</li>
    <li>Recovery Cycling</li>
  </ol>
</li>
<li>Week 6
  <ol>
    <li>Understanding Pace lines</li>
    <li>Aerodynamics</li>
    <li>Power Intervals Phase 3</li>
  </ol>
</li>
<li>Week 7
  <ol>
    <li>Endurance Cycling</li>
    <li>Endurance Test 1</li>
    <li>Endurance Test 2</li>
  </ol>
```

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```
      </li>
      <li>Week 8
        <ol>
          <li>Mastering Sprints</li>
          <li>Time Trial Assessments</li>
          <li>Getting Ready for the Outdoors
            <ol>
              <li>Bicycle Maintenance</li>
              <li>Roadside Repairs</li>
              <li>Team Cycling</li>
              <li>Hydration and Nutrition</li>
            </ol>
          </li>
        </ol>
      </li>
    </ol>

  </article>

  <footer>
    <address>
    Tri and Succeed Sports &amp;#8226; 41 Venture Dr. &amp;#8226; Austin,
    TX 78711 &amp;#8226; 512.555.9917
    </address>
  </footer>
</body>
</html>
```

Use your editor to open the tss_home_txt.html file from the html02 > tutorial folder. Enter your name and the date in the comment section of the file and save the document as tss_home.html

```
<!doctype html>
<html>
<head>
<!--
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Tutorial Case

   Tri and Succeed Sports
   Author: Alison Palmer
   Date:   2017-03-01

   Filename: tss_home.html
  -->
  <meta charset="utf-8" />
  <meta name="keywords" content="triathlon, running, swim
  <title>Tri and Succeed Sports</title>
  <link href="tss_layout.css" rel="stylesheet" />
  <link href="tss_styles.css" rel="stylesheet" />
</head>

<body>
  <header>
    <img src="tss_logo.png" alt="Tri and Succeed Sports" />
  </header>

  <nav>
    <h1>Links</h1>
    <ul>
```

tss_styles.css file: Within the comment section at the top of the file, enter your name following the Author: comment and the date following the Date: comment

tss_styles.css: Directly above the initial comment section, insert the line: @charset "utf-8"

tss_home.html file: add the following link element to the head section directly after the title element: <link href="tss_layout.css" rel="stylesheet" /

Return to the tss_home.html file in your HTML editor and add the following link element directly before the closing </head> tag. <link href="tss_styles.css" rel="stylesheet" /

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```
      <li><a href="tss_home.html">Home</a></li>
      <li><a href="tss_run.html">Running</a></li>
      <li><a href="tss_bike.html">Cycling</a></li>
      <li><a href="tss_swim.html">Swimming</a></li>
      <li class="newgroup"><a href="http://www.active.com/">Active.com</a></li>
      <li><a href="http://www.runnersworld.com/">Runner's World</a></li>
      <li><a href="https://www.endomondo.com/">endomondo.com</a></li>
      <li><a href="http://www.strava.com/">Strava</a></li>
      <li><a href="http://www.bicycling.com/">Bicycling Magazine</a></li>
      <li><a href="http://velonews.competitor.com/">VeloNews</a></li>
      <li><a href="http://bicycletutor.com/">Bicycle Tutor</a></li>
      <li><a href="http://www.swimsmooth.com/">Swim Smooth</a></li>
      <li><a href="http://www.swimmingworldmagazine.com/">Swimming World</a></li>
      <li><a href="http://www.usaswimming.org/">USA Swimming</a></li>
      <li class="newgroup"><a href="http://www.triathlon.org/">triathlon.org</a></li>
      <li><a href="http://www.usatriathlon.org/">usatriathlon.org</a></li>
      <li><a href="http://www.trifind.com/tx.html">Texas Triathlons</a></li>
      <li><a href="http://www.captextri.com/">CapTex Triathlon</a></li>
      <li><a href="http://www.trifind.com/">Triathlon Calendar</a></li>
      <li><a href="http://triathlon.competitor.com/">Triathlete.com</a></li>
      <li><a href="http://www.trifuel.com/">Trifuel.com</a></li>
    </ul>
  </nav>

  <article id="about_tss">
    <h1>About TSS </h1>
    <img src="tss_photo1.png" alt="" />
    <p>Since 2002, <strong>Tri and Succeed Sports</strong> has provided Austin
    with a first class training center for athletes of all abilities and
```

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goals. We specialize in helping you reach your full potential. You tell us what you want to do; we work to fulfill your needs.

Want to swim? Great! Interested in improving your cycling? Fantastic! Want to tackle a triathlon? We're there for you: before, during, and after the race. Or do you just want to get more fit? We are on it. We customize our instruction to match your goals. And you will finish what you start.

<h2>Classes</h2>

Winter instruction starts soon. Get a jump on your summer goals by joining us for individual or group instruction in:

  Running: We start with the basics to help you run faster and farther than you ever thought possible without aches and pains.
  Cycling: The indoor bike trainers at TSS include everything you need to refine your technique, stamina, and power for improved results on the road.
  Swimming: The open water swim can be one of the most frightening sports to master. Our classes begin with basic techniques so that your swim can be very enjoyable, and not a chore.

Contact us to set up individual instruction and assessment.

<h2>Our Philosophy</h2>

Athletes are the foundation of every successful training program. The best coach is an experienced guide who begins with each athlete's hopes, dreams and desires and then tailors a training plan based on that individuals’s current fitness and lifestyle. Since 2002, TSS has

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```
  helped hundreds of individuals achieve success in many fitness areas.
  The winner is not the one who finishes first but anyone who starts
  the race and perseveres. Join us and begin exploring the possible.</p>
</article>

<aside>
  <h1>Comments</h1>
  <blockquote> Thank you for all that you have done. I am amazed at
  my progress. I realize that I have l lofty goals but you have me well
  on my way.</blockquote>
  <blockquote> Alison kept me focused working toward my dreams. She
  fosters a supportive and caring environment for growth as an athlete
  and as a person. Thank you!</blockquote>
  <blockquote> You do it right! Your track record proves it.
  Proud to be a TSS athlete and I'm honored to have you all as my
  coaches and support team.</blockquote>
  <blockquote> The coaches at TSS treat you with the highest respect:
  whether you're an individual getting off the couch for the first time
  or an elite athlete training for the Iron Man. They know
  their stuff.</blockquote>
  <blockquote> I just completed my first marathon, following your fitness
  schedule to the letter. Never once did I come close to bonking and
  two days later I felt ready for another race!</blockquote>
</aside>

<footer>
  <address>
  Tri and Succeed Sports &amp;#8226; 41 Venture Dr. &amp;#8226; Austin, TX
  78711 &amp;#8226; 512.555.9917
```

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```
      </address>
    </footer>
</body>
</html>
```

Use your editor to open the tss_run_txt.html, tss_bike_txt.html, and tss_swim_txt.html files from the html02 > tutorial folder. Enter your name and the date in the comment section of each file and save them as tss_run.html, tss_bike.html, and tss_swim.html respectively.

```
<!doctype html>
<html>
<head>
<!--
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Tutorial Case

   TSS Running Class
   Author: Alison Palmer
   Date:   2017-03-01

   Filename: tss_run.html
  -->
  <meta charset="utf-8" />
  <title>TSS Running Class</title>
  <link href="tss_layout.css" rel="stylesheet" />
  <link href="tss_styles.css" rel="stylesheet" />
</head>

<body>
  <header>
    <img src="tss_logo.png" alt="Tri and Succeed Sports" />
  </header>

  <nav>
    <ul>
      <li><a href="tss_home.html">Home</a></li>
      <li><a href="tss_run.html">Running</a></li>
```

Within each of the three files insert the following link elements before the closing </head> tag to link these files to the tss_layout.css and tss_styles.css files, respectively:
<link href="tss_layout.css" rel="stylesheet" />
<link href="tss_styles.css" rel="stylesheet" />

```
    <li><a href="tss_bike.html">Cycling</a></li>
    <li><a href="tss_swim.html">Swimming</a></li>
  </ul>
</nav>

<article class="syllabus">

  <h1>Guided Running and Racing</h1>
  <p>The TSS running program is designed is to guide and motivate
  runners to a personal best in their  run training and racing.  The
  training program is heavily coached and has a moderately aggressive
  approach to achieving your personal best.  We will educate you on
  proper running form, biomechanics, training, nutrition and mental
  toughness</p>
  <p>You will work with a TSS coach twice weekly to help you
  accomplish your goals and you'll have the companionship of others
  reaching for similar goals. At times, we'll have assistant coaches
  to decrease the coach to athlete ratio for a higher quality experience.
  Spend your workouts completing track workouts, hills repeats tempo runs,
  strength/power running, endurance strength training, and more. Each week
  will challenge you, and be tailored towards your goals from sprint
  races, 5K runs, or full-distance marathons.</p>
  <p>The course meets for 90 minutes twice a week. You have the choice
  among the following morning and evening sessions:</p>

  <ul>
    <li>11:30 AM - 1:00 PM (MW)</li>
    <li>5:00 PM - 6:30 PM (TR)</li>
  </ul>
```

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```
<h2>Course Outline</h2>
<p>The running class will meet at the Falk Running Center and, when
weather permits, we'll be outside at the Falk Running Track.</p>

<ol>
  <li>Week 1
    <ol>
      <li>Orientation
        <ol>
          <li>Setting a Goal</li>
          <li>Group Running</li>
          <li>Clothing and Shoes</li>
          <li>Danger Zones</li>
        </ol>
      </li>
      <li>Initial Assessment
        <ol>
          <li>Gait Assessment</li>
          <li>Power Measure</li>
          <li>Time Trial</li>
        </ol>
      </li>
      <li>Stretching Techniques</li>
    </ol>
  </li>
  <li>Week 2
    <ol>
      <li>Wind Sprints</li>
```

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```
      <li>Recovery</li>
      <li>Building your Core</li>
    </ol>
  </li>
  <li>Week 3
    <ol>
      <li>Wind Sprints 2</li>
      <li>Stretching Session</li>
      <li>Yoga and Running</li>
    </ol>
  </li>
  <li>Week 4
    <ol>
      <li>Mid-range Running 1</li>
      <li>Mid-range Running 2</li>
    </ol>
  </li>
  <li>Week 5
    <ol>
      <li>Hill Repeats 1</li>
      <li>Recovery Runs</li>
      <li>Stretching</li>
    </ol>
  </li>
  <li>Week 6
    <ol>
      <li>Weight Training and Running</li>
      <li>Hill Repeats 2</li>
      <li>Building a Base</li>
```

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```
        </ol>
      </li>
      <li>Week 7
        <ol>
          <li>Preparing for 5K Race</li>
          <li>5K Simulation 1</li>
          <li>5K Simulation 2</li>
        </ol>
      </li>
      <li>Week 8
        <ol>
          <li>Preparing for a Marathon</li>
          <li>Building and Recovering</li>
          <li>Final Assessment</li>
          <li>Final Time Trials</li>
        </ol>
      </li>
    </ol>

  </article>

  <footer>
    <address>
    Tri and Succeed Sports &amp;#8226; 41 Venture Dr. &amp;#8226; Austin,
    TX 78711 &amp;#8226; 512.555.9917
    </address>
  </footer>
</body>
</html>
```

```
@charset "utf-8";
```

tss_styles.css: insert the line:
@charset "utf-8"

```
@font-face {
  font-family: Quicksand;
  src: url(Quicksand-Regular.woff) format('woff'),
      url(Quicksand-Regular.ttf) format('truetype');
}
```

tss_styles.css file: Directly after the @charset rule at the top of the file, insert the following @font-face rule:
@font-face {
font-family: Quicksand;
src: url('Quicksand-Regular.woff') format('woff'),
url('Quicksand-Regular.ttf') format('truetype');
}

```
/*
  New Perspectives on HTML5 and CSS3, 7th Edition
  Tutorial 2
  Tutorial Case

  TSS Typographic Style Sheet
  Author: Alison Palmer
  Date:   2017-03-01

  Filename: tss_styles.css

*/


/* HTML and Body Styles */


html {
  background-color: hsl(27, 72%, 72%);
}
```

Add the following code within the HTML and Body Styles section:
html {
background-color: hsl(27, 72%, 72%);
}
body {
color: rgb(91, 91, 91);
background-color: ivory;
}

```
body {
  color: rgb(91, 91, 91);
  background-color: ivory;
  font-family: Verdana, Geneva, sans-serif;
}
```

tss_styles.css file: Add the following style to the style rule for the body element: font-family: Verdana, Geneva, sans-serif;

```
/* Heading Styles */

h1 {
  font-size: 2.2em;
}

h2 {
  font-size: 1.5em;
}

h1, h2 {
  font-family: Quicksand, Verdana, Geneva, sans-serif;
        letter-spacing: 0.1em;
}

article#about_tss h1 {
  color: white;
  background-color: rgb(222, 128, 60);
}

article#about_tss h2 {
```

tss_styles.css file: Add the following style rules directly below the Heading Styles comment to define the font sizes for h1 and h2 headings throughout the website:
h1 {
font-size: 2.2em;
}
h2 {
font-size: 1.5em;
}

In the Heading Styles section, insert the following style as part of the style rule for the h1, h2 selector: letter-spacing: 0.1em;

At the top of the section for Heading Styles, insert the style rule:
h1, h2 {
font-family: Quicksand, Verdana, Geneva, sans-serif;
}

Change the selectors for the h1 and h2 elements in the Heading Styles section to article#about_tss h1 and article#about_tss h2 respectively.

Add the following style rules within the Heading Styles section:
h1 {
color: white;
background-color: rgb(222, 128, 60);
}
h2 {
color: white;
background-color: rgb(235, 177, 131);
}

```
  color: white;
  background-color: rgb(235, 177, 131);
}

article.syllabus h1, article.syllabus h2 {
  background-color: rgb(255, 185, 255);
  color: rgb(101, 101, 101);
}

/* Aside and Blockquote Styles */

aside {
  font-size: 0.8em;
}

aside blockquote {
  color: rgb(232, 165, 116);
  margin: 20px 5px;
        quotes: "\201C" "\201D";
}

aside blockquote::before {
  content: open-quote;
  font-family: 'Times New Roman', Times, serif;
  font-size: 1.6em;
  font-weight: bold;
}

aside blockquote::after {
```

Within the Heading Styles section, add the following style rule to display the text of h1 and h2 headings in medium gray on a light purple background:
article.syllabus h1, article.syllabus h2
{
background-color: rgb(255, 185, 255);
color: rgb(101, 101, 101); }

Go to the Aside and Blockquote Styles section and add the following style rule to set the default font size of text in the aside element to 0.8em:
aside {
font-size: 0.8em;
}

Go to the Aside and Blockquote Styles section and, within the style rule for the aside blockquote selector, insert the following quotes property to use curly quotes for the quotation marks: quotes: "\201C" "\201D";

ts_styles.css: Within the Aside and Blockquote Styles section, insert the following style rule:
aside blockquote {
color: rgb(232, 165, 116);
}

Locate the style rule for the aside blockquote selector in the Aside and Blockquote Styles section and insert the margin: 20px 5px; style into the style rule.

Add the following style rules to insert quotation marks before and after each block quote in the aside element:
aside blockquote::before {
content: open-quote;
font-family: 'Times New Roman', Times, serif;
font-size: 1.6em;
font-weight: bold;
}
aside blockquote::after {
content: close-quote;
font-family: 'Times New Roman', Times, serif;
font-size: 1.6em;
font-weight: bold;
}

```
  content: close-quote;
  font-family: 'Times New Roman', Times, serif;
  font-size: 1.6em;
  font-weight: bold;
}


/* Navigation Styles */

nav {
  font-size: 0.8em;
}

nav > ul {
  line-height: 2em;
        list-style-type: none;
        padding-left: 5px;
}

nav > ul > li.newgroup {
  margin-top: 20px;
}

nav > ul > li > a:link, nav > ul > li > a:visited {
  color: rgb(151, 151, 151);
  text-decoration: none;
}

nav > ul > li > a:hover, nav > ul > li > a:active {
```

Go to the Navigation Styles section and add the following style rule to set the default font size of text in the navigation list to 0.8em:
nav {
font-size: 0.8em;
}

Go to the Navigation Styles section and, within the style rule for the nav > ul selector, add the style list-style-type: none;

Scroll down to the Navigation Styles section near the bottom of the file and insert the following style rule for the text of ul elements nested within the nav element:
nav > ul {
line-height: 2em;
}

Locate the nav > ul style rule in the Navigation Styles section and insert the style padding-left: 5px;.

Directly below the style rule for the nav > ul selector in the Navigation Styles section, insert the following rule:
nav > ul > li.newgroup {
margin-top: 20px;
}

Go to the Navigation Styles section and insert the following style rules for hypertext links that have been visited or not visited.
nav > ul > li > a:link, nav > ul > li > a:visited {
color: rgb(151, 151, 151);
text-decoration: none;
}

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```
  color: rgb(255, 64, 255);
  text-decoration: underline;
}

/* List Styles */

article#about_tss ul li:first-of-type {
  list-style-image: url(runicon.png);
}

article#about_tss ul li:nth-of-type(2) {
  list-style-image: url(bikeicon.png);
}

article#about_tss ul li:last-of-type {
  list-style-image: url(swimicon.png);
}

article.syllabus ol {
  list-style-type: upper-roman;
}

article.syllabus ol ol {
  list-style-type: upper-alpha;
}
```

Add the following new style rules for links that are being hovered over or are active:
nav > ul > li > a:hover, nav > ul > li > a:active {
color: rgb(255, 64, 255);
text-decoration: underline;
}

Go to the List Styles section at the bottom of the style sheet, delete the article#about_tss ul style rule that sets the list style image marker and replace it with the following three style rules:
article#about_tss ul li:first-of-type {
list-style-image: url(runicon.png);
}
article#about_tss ul li:nth-of-type(2) {
list-style-image: url(bikeicon.png);
}
article#about_tss ul li:last-of-type {
list-style-image: url(swimicon.png);
}

At the top of the List Styles section, insert the following style rule:
article#about_tss ul {
list-style-image: url(runicon.png);
}

Scroll down to the List Styles section and insert the following style rules to format nested ordered lists within the syllabus article:
article.syllabus ol {
list-style-type: upper-roman;
}
article.syllabus ol ol {
list-style-type: upper-alpha;
}
article.syllabus ol ol ol {
list-style-type: decimal;
}

```
article.syllabus ol ol ol {
  list-style-type: decimal;
}


/* Footer Styles */


body > footer address {
  background-color: rgb(222,128,60);
  color: white;
  color: rgba(255, 255, 255, 0.7);
  font: normal small-caps bold 0.9em/3em
      Quicksand, Verdana, Geneva, sans-serif;
  text-align: center;
}
```

Go down to the Footer Styles section and add the following style rule:
body > footer address {
background-color: rgb(222,128,60);
color: white;
color: rgba(255, 255, 255, 0.7);
font: normal small-caps bold 0.9em/3em
Quicksand, Verdana, Geneva, sans-serif;
text-align: center;
}

/*

Notice for the Quicksand-Regular Font

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————————————————————————————-

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*/

```
<!doctype html>
<html>
<head>
<!--
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Tutorial Case

   TSS Swimming Class
   Author: Alison Palmer
   Date:   2017-03-01

   Filename: tss_swim.html
  -->
  <meta charset="utf-8" />
  <title>TSS Swimming Class</title>
  <link href="tss_layout.css" rel="stylesheet" />
  <link href="tss_styles.css" rel="stylesheet" />
</head>

<body>
  <header>
    <img src="tss_logo.png" alt="Tri and Succeed Sports" />
  </header>

  <nav>
    <ul>
      <li><a href="tss_home.html">Home</a></li>
      <li><a href="tss_run.html">Running</a></li>
```

Use your editor to open the tss_run_txt.html, tss_bike_txt.html, and tss_swim_txt.html files from the html02 > tutorial folder. Enter your name and the date in the comment section of each file and save them as tss_run.html, tss_bike.html, and tss_swim.html respectively.

Within each of the three files insert the following link elements before the closing </head> tag to link these files to the tss_layout.css and tss_styles.css files, respectively:
<link href="tss_layout.css" rel="stylesheet" />
<link href="tss_styles.css" rel="stylesheet" />

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```
    <li><a href="tss_bike.html">Cycling</a></li>
    <li><a href="tss_swim.html">Swimming</a></li>
  </ul>
</nav>

<article class="syllabus">
  <h1>Swim for Fitness</h1>
  <p>TSS coaches take a scientific approach to swimming. We believe in
  providing knowledge, motivation, confidence and support for any
  athlete who want to improve his or her swimming abilities. The secret
  of swimming lies in proper technique and efficiency to move through
  the water with speed and efficiency. We keep our class sizes low so
  our coaches can maximize the time spent on one-to-one instruction.</p>
  <p>We offer three instruction times this winter:</p>

  <ul>
    <li>6:00 AM - 7:00 AM (TR)</li>
    <li>5:00 PM - 6:00 PM (MW)</li>
    <li>5:00 PM - 6:00 PM (TR)</li>
  </ul>

  <h2>Course Outline</h2>
  <p>Arrive at the Tollaf Natatorium 10 minutes before class to ensure
  that swim instruction begins on schedule.</p>

  <ol>
    <li>Week 1
      <ol>
        <li>Swim Evaluation
```

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```
        <ol>
          <li>Posture</li>
          <li>Stroke Assessment</li>
          <li>Endurance Measure</li>
        </ol>
      </li>
      <li>Stretching Exercises</li>
      <li>Body Position Drills</li>
    </ol>
  </li>
  <li>Week 2
    <ol>
      <li>Sculling Drills</li>
      <li>Body Rotation Drills</li>
      <li>Arm Position Drills</li>
    </ol>
  </li>
  <li>Week 3
    <ol>
      <li>Breathing Techniques</li>
      <li>Kick board Workouts</li>
      <li>Sculling Drills</li>
      <li>Mid-class Assessment</li>
    </ol>
  </li>
  <li>Week 4
    <ol>
      <li>Endurance Drills</li>
      <li>Body Position Drills</li>
```

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```
        <li>Kick board Workouts</li>
        <li>Sculling Drills 2</li>
      </ol>
    </li>
    <li>Week 5
      <ol>
        <li>Sprint Techniques</li>
        <li>Body Rotation Drills</li>
        <li>Relay Races</li>
      </ol>
    </li>
    <li>Week 6
      <ol>
        <li>Endurance Swim</li>
        <li>Final Assessment
          <ol>
            <li>Posture</li>
            <li>Stroke Assessment</li>
            <li>Endurance Measure</li>
          </ol>
        </li>
      </ol>
    </li>
  </ol>

</article>

<footer>
  <address>
```

```
      Tri and Succeed Sports &#8226; 41 Venture Dr. &#8226; Austin,
      TX 78711 &#8226; 512.555.9917
      </address>
    </footer>
</body>
</html>
```

4. Go to the coach_styles.css file in your editor. At the top of the file and before the comment section do the following:
a. Insert an @charset rule to set the character encoding for the file to utf-8.
b. Use the @font-face rule to define a web font named Nobile, which is based on the nobile-webfont.woff file and, if that format is not supported, on the nobile-webfont.ttf file

```
@charset "utf-8";

@font-face {
   font-family: Nobile;
   src: url('nobile-webfont.woff') format('woff'),
        url('nobile-webfont.ttf') format('truetype');
}

/*
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Review Assignment

   TSS Typographic Style Sheet
   Author: Alison Palmer
   Date:   2017-03-01

   Filename: coach_styles.css

*/


/* Main Structural Styles */

html {
   background-color: hsl(27, 72%, 72%);
}

body {
   color: rgb(91, 91, 91);
   background-color: ivory;
   font-family: Verdana, Geneva, sans-serif;
}

body > footer address {
   background-color: rgb(222,128,60);
   color: white;
   color: rgba(255, 255, 255, 0.6);
   font: normal small-caps bold 0.9em/3em
         Nobile, Verdana, Geneva, sans-serif;
   text-align: center;
}


/* Heading Styles */

h1 {
   font-family: Nobile, Verdana, Geneva, sans-serif;
   font-weight: normal;
   letter-spacing: 0.2em;
   margin: 0px;
}
```

1. Use your HTML editor to open the tss_coach_txt.html and coach_styles_txt.css files from the html02 > review folder. Enter your name and the date in the comment section of each file, and save them as tss_coach.html and coach_styles.css respectively

5. Go to the Main Structural Styles section and do the following:
a. Change the background color of the browser window by creating a style rule for the html element that sets the background color to the value hsl(27, 72%, 72%).
b. For the body element, create a style rule to set the text color to the value rgb(91, 91, 91), the background color to ivory, and body text to the font stack: Verdana, Geneva, sans-serif.

6. Create a style rule for the body > footer address selector containing the following styles:
a. The background color set to the value rgb(222, 128, 60)
b. The font color to white and then to the semitransparent value rgba(255, 255, 255, 0.6)
c. The font style to normal displayed in bold small capital letters with a font size of 0.9em and a line height of 3em using the font stack Nobile, Verdana, Geneva, sans-serif
d. The text horizontally centered on the page

7. Go to the Heading Styles section and create a style rule for every h1 heading that displays the text with a normal font weight from the font stack: Nobile, Verdana, Geneva, sans-serif. Set the letter spacing to 0.2em and the margin to 0 pixels.

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```
section#tss_coaches > h1 {
   font-size: 2.5em;
   color: hsl(27, 82%, 85%);
   background-color: hsl(27,6%,21%);
   padding-left: 10px;
}

article.coach_bio h2 {
   font-size: 1.6em;
   font-weight: normal;
   color: rgb(240, 125, 0);
}


/* Blockquote Styles */

aside blockquote {
   font-size: 0.95em;
   font-family: 'Comic Sans MS', cursive;
   background-color: rgb(222,128,60);
   color: rgba(255, 255, 255, 0.75);
   quotes: "\201C" "\201D";
   padding: 10px;
}

aside blockquote::before {
   content: open-quote;
   font-family: 'Times New Roman', Times, serif;
   font-size: 1.6em;
   font-weight: bold;
}

aside blockquote::after {
   content: close-quote;
   font-family: 'Times New Roman', Times, serif;
   font-size: 1.6em;
   font-weight: bold;
}


/* Navigation Styles */

body > nav {
   font-size: 0.8em;
   line-height: 2em;
}

nav > ul {
   list-style-type: none;
   padding-left: 5px;
}
```

8. Alison wants you to format the main h1 heading at the top of the page. Create a style rule for the section#tss_coaches hi selector that sets the font size to 2.5em with a color value of hsl(27, 82%, 85%) and background color of hsl(27, 6%, 21%). Set the left padding space to 10 pixels

9. Alison also wants you to format the h2 headings for each coach. Create a style rule for the article.coach_bio h2 selector that sets the font size to 1.6em with normal weight and the font color to rgb(240, 125, 0)

10. Alison has inserted a comment from an athlete about the coaches. Format this comment by going to the Blockquote Styles section and creating a style rule for the aside blockquote selector to do the following:
a. Set the font size to 0.95em using the font stack 'Comic Sans MS', cursive.
b. Set the font color to rgb(222, 128, 60) and use a semi-transparent background color with the value rgba(255, 2555, 255, 0.75).
c. Set the padding space to 10 pixels.
d. Define opening and closing quotes for the element using the Unicode character 201C and 201D respectively.

11. Format the appearance of the opening quotes by creating a style rule for the aside blockquote::before selector to write a boldfaced open quote before the block quote with the font size set to 1.6em from the font stack 'Times New Roman', Times, serif

12. Format the appearance of the closing quotes by creating a style rule for the aside blockquote::after selector to write a boldfaced open quote after the block quote with the font size once again set to 1.6em from the font stack 'Times New Roman', Times, serif

13. Next, you'll format the appearance of the navigation list by going to the Navigation Styles section and creating a style rule for body > nav selector that sets the text of the navigation list in a 0.8em font size with a line height of 2em

14. Create a style rule for the nav > ul selector that removes the list marker and sets the left padding to 5 pixels

```
nav > ul > li:nth-of-type(6) {
   margin-top: 20px;
}

nav > ul > li:nth-of-type(16) {
   margin-top: 20px;
}

nav > ul > li > a:visited, nav > ul > li > a:link {
   color: rgb(151, 151, 151);
   text-decoration: none;
}

nav > ul > li > a:hover, nav > ul > li > a:active {
   color: rgb(222,128,60);
   text-decoration: underline;
}


/* Paragraph Styles */

p {
   margin: 10px 30px 10px 0px;
}


/* List Styles */

article.coach_bio > header > ul {
   list-style-image: url(check.png);
   margin: 0px 0px 10px 0px;
}
```

15. Alison wants to break up the long list of links in the navigation list. Create style rules for the 6th and 16th li elements within the nav > ul selector that sets the size of the top margin of those items to 20 pixels

16. For every previously visited or unvisited hypertext link within the nav > ul > li selector, set the text to the RGB color value rgb(151, 151, 151) and remove the underlining from the text link

17. For every hovered or active hypertext link within the nav > ul > li selector, set the text color to RGB value rgb(222, 128, 60) and underline the hypertext link

18. Go to the Paragraph Styles section and insert a style rule that sets the top margin and bottom margin to 10 pixels, the right margin to 30 pixels, and the left margin to 0 pixels for every paragraph in the document

19. Every coach has a list of accomplishments. Go to the List Styles section and insert a style rule for the article.coach_bio > header > ul selector that displays the check.png file as the list marker and sets the margin space to 0 pixels, except for the bottom margin, which should be set to 10 pixels

20. Save your changes to the style sheet and then open the tss_coach.html file in your browser. Verify that the color and typography match that shown in Figure 2-53. Verify that when you hover the mouse pointer over the links in the navigation list the text is displayed in an underlined orange font

```
/*
```

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```

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1. Using your editor, open the cw_class_txt.html and cw_styles_txt.css files from the html02 ► case3 folder. Enter your name and the date in the comment section of each file, and save them as cw_class.html and cw_styles.css respectively

2. Go to the cw_class.html file in your HTML editor. Within the document head, create a link to the cw_styles.css style sheet file

Explore 3. Using the Google Fonts website, locate the Limelight font. Copy the code for the link element to use this font and paste the copied code to the document head in the cw_class.html file

4. Study the content and structure of the cw_class.html file and then close the file, saving your changes

```
<!doctype html>
<html>
<head>
<!--
    New Perspectives on HTML5 and CSS3, 7th Edition
    Tutorial 2
    Case Problem 3

    Civil War History
    Author: Peter Craft
    Date:   2017-03-01

    Filename: cw_class.html
   -->
   <meta charset="utf-8" />
   <title>Civil War History</title>
   <link href='http://fonts.googleapis.com/css?family=Limelight'
rel='stylesheet' />
   <link href="cw_styles.css" rel="stylesheet" />
</head>

<body>

   <header>
      <h1>Mountain Crossing <span>online</span></h1>
      <nav id="mainLinks">
         <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">Courses</a></li>
            <li><a href="#">About</a></li>
            <li><a href="#">Terms of Use</a></li>
            <li><a href="#">Feedback</a></li>
            <li><a href="#">Help</a></li>
         </ul>
      </nav>
   </header>

   <nav id="outline">
      <h1>Course Outline</h1>
      <ol>
         <li><a href="#">The Road to War</a>
            <ol>
               <li><a href="#">Planting the Seeds</a></li>
               <li><a href="#">The First Crisis</a></li>
               <li><a href="#">Compromise &amp;amp; Failure</a></li>
               <li><a href="#">Fault Lines</a></li>
            </ol>
         </li>
         <li><a href="#">Politicians &amp;amp; Generals</a>
            <ol>
               <li><a href="#">The Election of 1860</a></li>
               <li><a href="#">Politicians</a></li>
```

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```
               <li><a href="#">Generals</a></li>
               <li><a href="#">The Election of 1864</a></li>
            </ol>
         </li>
         <li><a href="#">The Course of War</a>
            <ol>
               <li><a href="#">The Anaconda Plan</a></li>
               <li><a href="#">The Eastern Campaign</a></li>
               <li><a href="#">The Western Campaign</a></li>
               <li><a href="#">1861-1862</a></li>
               <li><a href="#">1863</a></li>
               <li><a href="#">1864-1865</a></li>
            </ol>
         </li>
         <li><a href="#">Aftermath</a>
            <ol>
               <li><a href="#">Lincoln Assassination</a></li>
               <li><a href="#">Reconstruction</a></li>
               <li><a href="#">A New Constitution</a></li>
               <li><a href="#">The United States Is ...</a></li>
            </ol>
         </li>
      </ol>
   </nav>

   <section>
      <header>
         <h1>The Civil War and Reconstruction</h1>
         <img src="cw_photo1.png" alt="" />
      </header>

      <article>
         <h2>About the Course</h2>
         <p>
            The Civil War and Reconstruction
            explores the causes and consequences of the American
            Civil War, covering American history from 1840 through
1876 in
            great detail. My primary goal is to interpret the multiple
            threads that run through this epic event and consider how
these
            threads still engage the politics and culture of the
            present day. In this course, we will rely heavily on
primary
            texts, interpreting the events of the day through the
words of
            those men and women who experienced it. We'll examine four
main
            points of interest:
         </p>
         <ul>
            <li>The crisis of disunion in a young nation</li>
```

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```
            <li>The personality and motivations of the men and
                women who responded to that crisis</li>
            <li>The events of the war which shaped the outcome</li>
            <li>The aftermath and the unresolved issues that
                came out of the conflict</li>
         </ul>

         <h2>Course Structure</h2>
         <p>
            Lectures are provided through podcast or via direct
            download twice weekly with lecture notes available
            through e-mail or RSS feed. A detailed summary of the
            lectures is provided in the links at the left.
         </p>
      </article>

      <aside>
         <h1>About Peter Craft</h1>
         <img src="cw_photo2.png" alt="" />
         <p>
            Peter Craft is a professor of American and Military
History and
            the Director of the Taylor Institute for the Study of
Military
            History at Mountain Crossing University. He is the author
of numerous books,
            including: <cite>Fault Lines: The Causes of the Civil
War</cite>,
            <cite>Day at Cooper Union</cite> (for which he received
the
            Lincoln Prize), and <cite>Helen: A Memoir</cite>. He is
also
            a frequent contributor to <cite>The News Hour</cite>
            and the <cite>History Channel</cite>.
         </p>
      </aside>

   </section>

   <footer>
      <p>
         Mountain Crossing University 2017. Unless otherwise
         indicated, all content on this web site is licensed under a
         Creative Commons License.
      </p>
   </footer>

</body>
</html>
```

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5. Go to the cw_styles.css file in your editor. At the top of the file, define the character encoding as utf-8.

Explore 6. On the next line, use the @import rule to import the contents of the cw_layout.css file into the style sheet

```
@charset "utf-8";
@import url('cw_layout.css');

/*
   New Perspectives on HTML5 and CSS3, 7th Edition
   Tutorial 2
   Case Problem 3

   Civil War History Style Sheet
   Author: Peter Craft
   Date:   2017-03-01

   Filename: cw_styles.css

*/


/* Structural Styles */

html {
      background-color: rgb(151, 151, 151);
}

body {
      background-color: rgb(180,180,223);
      font-family: Verdana, Geneva, sans-serif;
}

h1, h2 {
      font-weight: normal;
}

nav a {
      text-decoration: none;
}

footer {
      background-color: rgb(101, 101, 101);
      font-size: 0.8em;
      text-align: center;
      color: white;
      padding: 1px 0;
}


/* Body Header Styles */

body > header  {
      background-color: rgb(97,97,211);
}
```

1. Using your editor, open the cw_class_txt.html and cw_styles_txt.css files from the html02 ▶ case3 folder. Enter your name and the date in the comment section of each file, and save them as cw_class.html and cw_styles.css respectively

7. Go to the Structural Styles section. Within that section create a style rule to set the background color of the browser window to rgb(151, 151, 151)

8. Create a style rule to set the background color of the page body to rgb(180, 180, 223) and set the body text to the font stack: Verdana, Geneva, sans-serif

9. Display all h1 and h2 headings with normal weight

10. Create a style rule for every hypertext link nested within a navigation list that removes underlining from the text

11. Create a style rule for the footer element that sets the text color to white and the background color to rgb(101, 101, 101). Set the font size to 0.8em. Horizontally center the footer text, and set the top/bottom padding space to 1 pixel

12. Next, you'll format the body header that displays the name of the university. Go to the Body Header Styles section and, for the body > header selector, create a style rule that sets the background color to rgb(97, 97, 211)

```
body > header > h1 {
      font-family: Limelight, cursive;
      color: rgba(255, 255, 255, 0.8);
      font-size: 4vw;
      margin: 0px;
      padding: 10px 20px;
}


body > header > h1 > span {
      color: rgba(255, 255, 255, 0.4);
}


/* Navigation Styles */

nav#mainLinks a {
      padding-top: 5px;
      padding-bottom: 5px;
}

nav#mainLinks a:visited, nav#mainLinks a:link {
      color: white;
}

nav#mainLinks a:hover, nav#mainLinks a:active {
      background-color: rgba(51, 51, 51, 0.5);
      color: rgba(255, 255, 255, 0.8);
}


/* Outline Styles */

nav#outline {
      color: rgb(51, 51, 51);
      font-size: 0.8em;
}

nav#outline h1 {
      text-align: center;
}

nav#outline > ol {
      line-height: 2em;
      margin: 0px 5px;
      list-style-type:upper-roman;
}

nav#outline  ol  ol {
      list-style-type: upper-alpha;
}
```

13. The university name is stored in an h1 heading. Create a style rule for the h1 heading that is a direct child of the body header that sets the font size to 4vw with the color value rgba(255, 255, 255, 0.8). Display the text with the font stack: Limelight, cursive. Set the margin space to 0 pixels

14. The last word of the h1 heading text is enclosed within a span element. Create a style rule for the span element nested within the h1 heading that is nested within the body header, setting the text color to rgba(255, 255, 255, 0.4)

15. Go the Navigation Styles section. In this section, you format the navigation list that has the ID mainLinks. For hypertext links within this navigation list, set the top and bottom padding space to 5 pixels

16. For previously visited and unvisited links within the mainLinks navigation list, create a style rule that displays the hypertext links in a white font

17. For hovered or active links within the mainLinks navigation list, create a style rule that displays the hypertext links in white with an opacity of 0.8 and set the background color to the value rgba(51, 51, 51, 0.5)

18. Go to the Outline Styles section. In this section, you'll format the course outline that appears on the page's left column. The navigation list in this outline has the ID outline. Create a style rule for this navigation list that sets the text color to rgb(51, 51, 51) and the font size to 0.8em

19. Horizontally center the h1 headings within the outline navigation list

20. For the first level ol elements that are a direct child of the outline navigation list, create a style rule that sets the line height to 2em, the top/bottom margin to 0 pixels and the left/right margin to 5 pixels. Display the list marker as an upper-case Roman numeral

21. Display the second level of ol elements nested within the outline navigation list with an upper-case letter as the list marker

```
nav#outline a:visited, nav#outline a:link {
      color: rgb(101, 101, 101);
}

nav#outline a:hover, nav#outline a:active {
      color: rgb(97, 97, 211);
      text-decoration: underline;
}

/* Section Styles */

section {
      background-color: rgb(220, 220, 220);
}

section header h1 {
      font-size: 2.2em;
      padding-left: 10px;
}


/* Article Styles */


article h2 {
      font-size: 1.4em;
}

article p:first-of-type::first-letter {
      font-size: 2em;
      vertical-align: baseline;
}



/* Aside Styles */

aside {
      font-size: 0.9em;
}

aside h1 {
      text-align: center;
      font-size: 1.4em;
}
```

22. Display all previously visited and unvisited links in the outline navigation list using the color value rgb(101, 101, 101)

23. Display hovered and active links in the outline navigation list using the color value rgb(97, 97, 211) with the text underlined

24. Go to the Section Styles section. In this section, format the description of the course. Create a style rule that sets the background color of the section element to rgb(220, 220, 220)

25. Format the heading of this section by creating a style rule for the section header hi selector that sets the font size of 2.2em and the left padding space to 10 pixels

26. Go to the Article Styles section and create a style rule for h2 headings within the article element that sets the font size to 1.4em

Explore 27. Display the first letter of the first paragraph within the article element with a font size of 2em and vertically aligned with the baseline of the surrounding text. (Hint: Use the first-of-type pseudo-class and the first-letter pseudo-element.

28. Information about Peter Craft has been placed in an aside element. Go to the Aside Styles section and create a style rule that sets the font size of text in the aside element to 0.9em

29. For h1 headings nested within the aside element, create a style rule that sets the font size to 1.4em and horizontally centers the text.

30. Save your changes to the file and then open the cw_class.html file in your browser. Verify that the appearance of the page resembles that shown in Figure 2-56. Confirm that when you change the width of the browser window, the size of the page heading text changes in response to setting the heading text using the vw unit

1, Using your editor, open the lake_home_txt.html and lake_styles_txt.css files from the html02 ► case4 folder. Save them as lake_home.html and lake_styles.css respectively

2. Go to the lake_home.html file in your editor and link it to the lake_layout.css and lake_styles.css style sheet file. Take some time to study the content and structure of the document and then save your changes to the file

```
<!doctype html>
<html>
<head>
<!--
    New Perspectives on HTML5 and CSS3, 7th Edition
    Tutorial 2
    Case Problem 4

    The Great Lakescape Lodge
    Author: Ron Nelson
    Date:   2017-03-01

    Filename: lake_home.html
   -->
   <meta charset="utf-8" />
   <title>Great Lakescape Lodge</title>
   <link href="lake_layout.css" rel="stylesheet" />
   <link href="lake_styles.css" rel="stylesheet" />
</head>

<body>

   <header>
      <img src="lake_logo.png" alt="Great Lakescape Lodge" />
      <nav>
         <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">Rooms &amp; Rates</a></li>
            <li><a href="#">Dining</a></li>
            <li><a href="#">Attractions</a></li>
            <li><a href="#">Directions</a></li>
            <li><a href="#">Contact Us</a></li>
         </ul>
      </nav>
   </header>

   <section id="leftcol">
      <h1>Welcome</h1>
      <img src="lake_photo1.png" alt="" />
      <p>Make the <em>Great Lakescape Lodge</em> your destination in
beautiful
      Door County. Nestled on the shores of Lake Michigan at Bailey's
Harbor,
      our lodge is close to everything that Door County has to
offer.</p>
      <p>We are a family-owned and operated establishment and have
been part
      of the Northern Wisconsin vacation scene for 25 years. The lodge
is a great
      place for a romantic getaway or a family reunion. We also cater
weddings
```

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```
      and can provide all of the amenities to make your time here a
special
      one.</p>
      <p>It's our goal to make every guest feel pampered; from the
gourmet breakfast
      and afternoon tea, to the special touches you will find in every
room.
      Families can enjoy our rec room and pool and outdoor equipment
for boating
      and cycling; but there are also quiet secluded spots for people
who are
      just looking to get away for a restful weekend.</p>
      <p>Come and see for yourself what keeps our guests coming back
year
      after year. We are open April 1st to October 31st. If you have
never visited
      Door County before, let us be your guide to the wonderful
opportunities that
      await you.</p>

      <aside>
         <h1>Notes</h1>
         <ul>
         <li>We now offer Online Reservations.</li>
         <li>See us featured on <cite><a href="#">Discover Door
County</a></cite></li>
         <li>Befriend us on <a href="#">Facebook</a> for special
discounts</li>
         <li>Watch videos of the lodge on our <a href="#">Youtube
Channel</a></li>
         </ul>
      </aside>

      <aside>
         <h1>Upcoming Events</h1>
         <h2>Cycle for Chocolate, 9/6</h2>
         <p>Join us for 20-mile ride around Bailey's Harbor, touring
the
            sites and stopping for gourmet chocolate.</p>
         <h2>Square Dance, 9/13</h2>
         <p>Start dancing at our monthly square dance in the lodge's
spacious barn. Music by
         the Sam Pulvermacher Group.</p>
      </aside>

   </section>

   <section id="rightcol">
      <nav>
         <h2>The Lodge</h2>
         <ul>
            <li><a href="#">Welcome</a></li>
```

```
            <li><a href="#">Accommodations</a></li>
            <li><a href="#">Great Room</a></li>
            <li><a href="#">Dining Room</a></li>
            <li><a href="#">Rec Room</a></li>
            <li><a href="#">Pool</a></li>
         </ul>
         <h2>Information</h2>
         <ul>
            <li><a href="#">Rates &amp;amp; Policies</a></li>
            <li><a href="#">Getaway Packages</a></li>
            <li><a href="#">Reservations</a></li>
            <li><a href="#">Wedding Receptions</a></li>
            <li><a href="#">Directions</a></li>
            <li><a href="#">Photo Gallery</a></li>
            <li><a href="#">Contact Info</a></li>
         </ul>
         <h2>Door County</h2>
         <ul>
            <li><a href="#">Bailey's Harbor</a></li>
            <li><a href="#">Lighthouse Tour</a></li>
            <li><a href="#">Dept. of Tourism</a></li>
            <li><a href="#">Boating</a></li>
            <li><a href="#">Links</a></li>
         </ul>
      </nav>

      <blockquote>
      I just had to tell you how much my husband and I enjoyed our
time at the
      lodge. The food was excellent and the service was top notch. We
look
      forward to returning next year.
      </blockquote>

   </section>

   <footer>
      <em>The Great Lakescape Lodge</em> &#9702;
      41022 Lakeshore Drive &#9702;
      Baileys Harbor, WI 54202 &#9702;
      920.555.9509
   </footer>
</body>
</html>
```

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