Essentials of Software Engineering 5th edition Tsui Test Bank

SKU: 9781284228991-TEST-BANK

Essentials of Software Engineering, Fifth Edition
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Test Bank
Import Settings:
Base Settings: Brownstone Default
Information Field: Complexity
Information Field: Ahead
Information Field: Subject
Highest Answer Letter: E
Multiple Keywords in Same Paragraph: No

Chapter: Chapter 01 – Test Bank

Short Answer

1. _____ are statements that define or qualify what a program needs to do.
Ans: Requirements
Alternate Ans: Program requirements
Complexity: Moderate
Ahead: A Simple Problem
Subject: Chapter 1

2. _____ are statements that constrain the ways in which the software can be designed and implemented.
Ans: Design constraints
Complexity: Moderate
Ahead: A Simple Problem
Subject: Chapter 1

3. As we grow the software, _____ is one of the two major examples of growth in depth of complexity.
Ans: decision branching
Ans2: loops
Complexity: Moderate
Ahead: Characteristics of Building a System
Subject: Chapter 2

4. CLI stands for _____.
Ans: command line interface
Complexity: Moderate
Ahead: Implementations
Subject: Chapter 1

5. _____ is an interface with graphical icons to communicate to users.
Ans: Graphic user interface

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Alternate ans: GUI
Complexity: Moderate
Ahead: Implementations
Subject: Chapter 1

6. The _____ qualify the functional requirements and specify in what manner they need to be achieved.
Ans: nonfunctional requirement statements
Complexity: Moderate
Ahead: A Simple Problem
Subject: Chapter 1

7. In _____ testing, the test cases are based only on the requirements specification, not on the implementation code.
Ans: black box
Complexity: Moderate
Ahead: Testing
Subject: Chapter 1

True/False

1. True or False? The program done in this chapter is not tested.
Ans: False
Complexity: Moderate
Ahead: Estimating Effort
Subject: Chapter 1

2. True or False? The time estimation for a development task should be done by the client.
Ans: False
Complexity: Moderate
Ahead: Estimating Effort
Subject: Chapter 1

3. True or False? Implement every function, even if the needed function exists in the standard library.
Ans: False
Complexity: Moderate
Ahead: Implementations
Subject: Chapter 1

4. True or False? The final deadline for delivering the project comes always from the programmers because they know how long it will take to finish.

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Ans: False
Complexity: Moderate
Ahead: A Simple Problem
Subject: Chapter 1

Multiple Choice

1. Further reading about how to keep track of programming tasks and why programmers would benefit from doing so is found in:
A) Chapter 13.
B) Humphrey (1996).
C) personal software process.
D) All of these are correct.
Ans: D
Complexity: Moderate
Ahead: Estimating Effort
Subject: Chapter 1

2. Estimating the effort needed to complete a project is important because it is used to develop the:
A) design.
B) test cases.
C) schedule.
D) requirements.
Ans: C
Complexity: Moderate
Ahead: Estimating Effort
Subject: Chapter 1

3. Which of the following is a nonfunctional requirement found in the system described in this chapter?
A) Performance
B) Real-time requirements
C) Modifiability
D) All of these are correct.
Ans: D
Complexity: Moderate
Ahead: Estimating Effort
Subject: Chapter 1

4. Showing your code to other people will:
A) help you find your defects.
B) be a software review of your code.
C) be cheating in the academic world but not in the real world.
D) All of these are correct.
Ans: D
Complexity: Moderate

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Ahead: Implementations
Subject: Chapter 1

5. The implementation of the sorting program is tested using:
A) unit testing.
B) JUnit.
C) Frameworks.
D) All of these are correct.
E) unit testing and JUnit.
Ans: E
Complexity: Moderate
Ahead: Implementations
Subject: Chapter 1

6. Extreme programming practices writing test cases _____ writing the code.
A) before
B) while
C) after
D) All of these are correct.
Ans: A
Complexity: Moderate
Ahead: Testing
Subject: Chapter 1

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