# *Accounting Information Systems 2nd edition Richardson Test Bank*

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# Chapter 02
# Accountants as Business Analysts
# Answer Key

## True / False Answers

**1. Accountants now face a challenge of helping businesses optimize processes.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-01 Describe the roles of the accounting/finance function in business and why those roles require knowledge of technology and business processes*
*Source: Original*
*Topic: Changing Roles of Accountants in Business*

**2. To be valuable business partners, accountants must understand how the business delivers value to its employees.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-01 Describe the roles of the accounting/finance function in business and why those roles require knowledge of technology and business processes*
*Source: Original*
*Topic: Changing Roles of Accountants in Business*

**3. A business process constrains business rules.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-03 Recognize the value of business models*
*Source: Original*
*Topic: Value of Business Models*

**4. A business model is typically a graphical depiction of the essential business process information.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-03 Recognize the value of business models*

*Source: Original*
*Topic: Value of Business Models*

**5. Documentation can be thought of as a tool for information transmission and communication.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-02 Understand the importance of business process documentation*
*Source: Original*
*Topic: Business Process Documentation*

**6. Documentation helps with training but won't help with regulatory compliance issues.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-02 Understand the importance of business process documentation*
*Source: Original*
*Topic: Business Process Documentation*

**7. Models should be simpler than the processes and systems they depict.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-03 Recognize the value of business models*
*Source: Original*
*Topic: Value of Business Models*

**8. Because business models are simpler than the processes they depict, they are limited in their ability to integrate local views of a process.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-03 Recognize the value of business models*
*Source: Original*
*Topic: Value of Business Models*

**9. Activity models are a relatively new process modeling tool.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*

*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

**10. In Business Process Modeling Notation (BPMN), activities are named with a short verb phrase placed within the rectangle.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

**11. Business Process Modeling Notation (BPMN) activity models typically show the sequence of flow from right to left and top to bottom.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

**12. Business Process Modeling Notation (BPMN) activity diagrams depict events as circles.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**13. Business Process Modeling Notation (BPMN) activity diagrams depict activities as circles.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**14. An activity can depict a single action or some logical combination of actions depending on the required level of detail to achieve the objectives of the business process analysis.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**15. Gateways only show decisions and possible branching as a result of the decision.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**16. Swimlanes (or lanes) identify participants, e.g., functions or departments, in a process.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**17. Business Process Modeling Notation (BPMN) activity diagrams are conceptually similar to process maps.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**18. Business Process Modeling Notation (BPMN) start events are shown using ovals and flowchart start events are shown using circles.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

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**19. Opportunity flowcharts identify opportunities for process improvement by separating value-added from non-value-added activities.**

Answer: **True**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

**20. Data Flow Diagrams start with a circle indicating the start event.**

Answer: **False**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

## Multiple Choice Answers

**21. Which of the following is *not* a Stewardship and Reporting role of the Accounting/Finance Function in Business?**

**A. Human Resource management**
B. Regulatory compliance
C. Tax returns
D. Statutory reporting

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-01 Describe the roles of the accounting/finance function in business and why those roles require knowledge of technology and business processes*
*Source: Original*
*Topic: Changing Roles of Accountants in Business*

**22. Which of the following is *not* a Business Management Support role of the Accounting/Finance Function in Business?**

A. Management information
B. Planning, budgeting and forecasting
**C. Financial consolidation, reporting and analysis**
D. Investment appraisal

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*

*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-01 Describe the roles of the accounting/finance function in business and why those roles require knowledge of technology and business processes*
*Source: Original*
*Topic: Changing Roles of Accountants in Business*

**23. Which of the following is *not* an Accounting/Finance Operations role of the Accounting/Finance Function in Business?**

A. Financial close – completing period end accounts
**B. Stakeholder assurance**
C. People management
D. Financial consolidation, reporting and analysis

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-01 Describe the roles of the accounting/finance function in business and why those roles require knowledge of technology and business processes*
*Source: Original*
*Topic: Changing Roles of Accountants in Business*

**24. Which of the following is *not* part of the business analysis process?**

A. Ascertaining information about current and future business processes.
B. Using business process modeling tools.
C. **Using IT to make finance and accounting processes more efficient and effective**.
D. Documenting current and future business processes.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-02 Understand the importance of business process documentation*
*Source: Original*
*Topic: Business Process Documentation*

**25. Which of the following best describes a business model?**

A. **A simple, abstract representation of a business process or processes**.
B. A sequence of business activities.
C. An evaluation of potential business process improvements.
D. None of the above.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-03 Recognize the value of business models*
*Source: Original*
*Topic: Value of Business Models*

**26. Process documentation does *not* include which of the following?**

A. Process models
B. Business rules
C. User manuals
**D. External audit workpapers**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-02 Understand the importance of business process documentation*
*Source: Original*
*Topic: Business Process Documentation*

**27. Which of the following is *not* a purpose of documentation?**

A. Training
**B. Determining staffing**
C. Describing current processes
D. Establishing accountability

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-02 Understand the importance of business process documentation*
*Source: Original*
*Topic: Business Process Documentation*

**28. Business models provide value in all of the following areas except which one?**

**A. Employee performance appraisal**
B. Managing complexity
C. Specifying systems requirements
D. Eliciting requirements for new systems

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-03 Recognize the value of business models*
*Source: Original*
*Topic: Value of Business Models*

**29. Which of the following best describes the purpose of an activity model?**

A. An activity model describes the sequence of workflow in a business process.
B. An activity model constrains and guides process operations.
C. An activity model depicts data structures.
D. None of the above.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

**30. Which of the following is *not* a common element of activity models regardless of the specific modeling notation?**

A. Events to start and stop the workflow
B. Sequence of flow between tasks
**C. Multiplicities**

D. Decision points that affect the process flow

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-04 Articulate the characteristics of activity models*
*Source: Original*
*Topic: Characteristics of Activity Models*

**31. Which of the following is *not* a building block for Business Process Modeling Notation (BPMN) diagrams?**

**A. Associations**
B. Events
C. Gateways
D. Sequence flows

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**32. Which of the following best describes the purpose of an event in a Business Process Modeling Notation (BPMN) activity diagram?**

A. Shows where the work takes place.
B. Describes the sequence of workflow.
C. **Affects the flow of the business process**.
D. Controls branching and merging.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**33. Which of the following best describes the purpose of a gateway in a Business Process Modeling Notation (BPMN) activity diagram?**

A. Shows where the work takes place.
B. Describes the sequence of workflow.
C. Affects the flow of the business process.
D. **Controls branching and merging**.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**34. Which of the following symbols depicts an intermediate event?**

A. An arrow
**B. A circle with a double line perimeter**
C. A rectangle
D. A circle with a wide single line perimeter

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**35. Which of the following symbols depicts an activity?**

A. An arrow
B. A circle with a double line perimeter
**C. A rectangle**
D. A circle with a wide single line perimeter

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**36. Which of the following symbols is used to depict different organizations in one Business Process Modeling Notation (BPMN) diagram?**

A. Gateway
B. Message flow
**C. Pool**
D. Intermediate event

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**37. Which of the following best describes the purpose of swimlanes (or lanes)?**

A. Depict different organizations involved in a process.
B. **Depict different departments of the same organization in a process**.
C. Depict interactions between organizations in a process.
D. Depict the sequence of tasks in a process.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**38. Which of the following best describes a Business Process Modeling Notation (BPMN) message flow?**

A. Shows the sequence of activities in a process.
B. **Shows interactions between participants in a process**.
C. Affects the flow of a business process.
D. Shows branching and merging in a business process.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**39. Which of the following best describes the difference between a Business Process Modeling Notation (BPMN) gateway and a flowcharting decision diamond?**

A. Only the decision diamond shows branching of the sequence flow.
B. **The gateway ony represents branching and not the decision that results in branching**.
C. Only the gateway shows branching of the sequence flow.
D. The decision diamond can depict more branching options.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**40. Which of the following is a difference between Business Process Modeling Notation (BPMN) activity diagrams and flowcharts?**

A. **BPMN symbols can show a variety of intermediate events that affect the sequence flow**.
B. Flowcharts have symbols to represent the start and end of a process.
C. BPMN diagrams show the sequence flow of activities.
D. Flowcharts can be annotated with text.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Understand*
*Difficulty: 2 Medium*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**41. In order to perform their required roles and be valuable business partners, accountants must understand all of the following *except*:**

**E. How the business identifies and designs its products and services**
F. How the business collects data, summarizes it, and communicates business information
G. How the business delivers value, interacts with other businesses, and is a good corporate citizen
H. What risks the business faces, and how internal controls can mitigate those risks

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*

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*Difficulty: 1 Easy*
*Learning Objective: 02-01 Describe the roles of the accounting/finance function in business and why those roles require knowledge of technology and business processes*
*Source: Original*
*Topic: Changing Roles of Accountants in Business*

**42. Which of the following best describes why the Sarbanes-Oxley Act of 2002 (SOX) made documentation of business processes essential for businesses?**

E. SOX mandates that accountants create the business rules and documenation associated with a company's business processes

**F. SOX requires managers to assess and attest to the company's internal controls structures and procedures**

G. SOX explicitly states that business processes must be documented

H. SOX allows thorough documentation of business processes to act as a substitute for a full review of internal control structures and procedures

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-02 Understand the importance of business process documentation.*
*Source: Original*
*Topic: Business Process Documentation*

**43. Which of the following best describes how business models help companies manage complexity?**

A. Because business models can't exceed one page, managers can understand how the business works at a glance.

**B. Although business models are a simplification of the actual processes they represent, they incorporate the processes' essential elements.**

C. Business models' limitations force managers to simplify the company's actual processes.

D. Business models must display every detailed task and activity, which allows managers to visualize the complexity inherent in its business processes.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-03 Recognize the value of business models.*
*Source: Original*
*Topic: Value of Business Models*

**44. Activity models are analagous to which of the following?**

A. The prototype for a new car model

B. A blueprint

**C. The instructions in a recipe**

D. A car's steering system

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-04 Articulate the characteristics of activity models.*
*Source: Original*
*Topic: Characteristics of Activity Models*

**45. When creating a BPMN activity model, which of the following is most accurate?**

E. Modeling is an artistic endeavor; therefore different modelers given the same set of facts about a business process will likely develop very different models of the process.

F. The resulting BPMN activity model should closely match the structure of the subsequent database.

G. All activity models should include gateways.

**H. Different modelers given the same set of facts about a busines process should develop similar models of the process.**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams.*
*Source: Original*
*Topic: Business Process Modeling Notation*

**46. A pool in a BPMN activity model represents:**

**A. An entire organization/entity.**

B. A department or functional area.

C. A specific individual.

D. A logical activity.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-06 Use pools and lanes to identify process participants.*
*Source: Original*
*Topic: Identifying Participants in Business Process Diagrams*

**47. Message flows in BPMN activity diagrams indicate an exchange between:**

A. Activities in the same swimlane

**B. Participants in different pools**

C. Gateways in different swimlanes

D. Events in the same pool

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-07 Apply message flows to show interactions between pools.*
*Source: Original*
*Topic: Messages in BPMN*

**48. When connecting to an opaque external pool in a BPMN activity diagram, message flows connect to:**

**A. The edge of the opaque pool.**

B. The edge of the swimlane.

C. The nearest sequence flow.

D. The appropriate data store.

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*

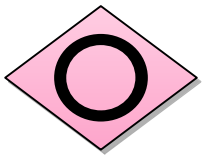
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-07 Apply message flows to show interactions between pools.*
*Source: Original*
*Topic: Messages in BPMN*

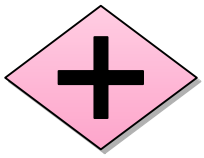
**49. Which of the following is not a valid BPMN gateway type?**

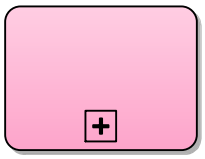
A. Parallel gateway
**B. Serial gateway**
C. Inclusive gateway
D. Exclusive gateway

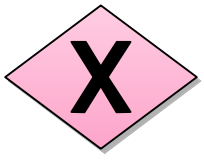
*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-08 Understand and apply flow object types*
*Source: Original*
*Topic: Extended Building Blocks for BPMN Diagrams and Modeling Concepts*

**50. Which of the following BPMN shapes represents a Parallel Gateway?**

A. 

**B.**  **Correct**

C. 

D. 

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-08 Understand and apply flow object types*
*Source: Original*
*Topic: Extended Building Blocks for BPMN Diagrams and Modeling Concepts*

**51. Which of the following BPMN shapes represents an Error Event?**

A. 

B. 

C. 

**D.**  **Correct**

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-08 Understand and apply flow object types*
*Source: Original*
*Topic: Extended Building Blocks for BPMN Diagrams and Modeling Concepts*

**52. A boundary event in a BPMN activity model:**

A. Takes place at the edge of a swimlane

B. Occurs at the border of a pool.

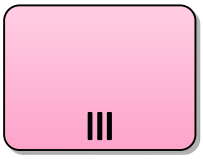
**C. Is attached to the edge of an activity.**

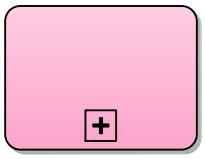
D. Occurs as a message leaves a pool.

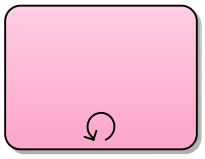
*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-08 Understand and apply flow object types*
*Source: Original*
*Topic: Extended Building Blocks for BPMN Diagrams and Modeling Concepts*

**53. Which of the following BPMN shapes represents a parallel multi-instance task?**

A. 

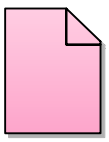
**B.**  **Correct**

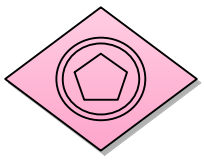
C. 

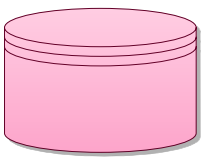
D. 

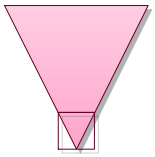
*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-09 Recognize and model repeating activities.*
*Source: Original*
*Topic: Subprocesses and Repeating Activities*

**54. Which of the following BPMN shapes represents a data object?**

**A.**  **Correct**

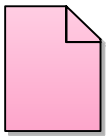
B. 

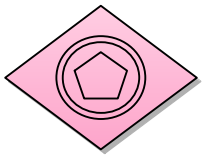
C. 

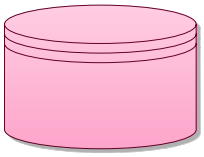
D. 

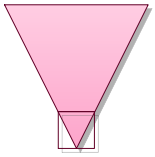
*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-10 Understand and apply data objects and stores to model data created, updated, transferred, and deleted in a process.*
*Source: Original*
*Topic: Data Objects, Data Stores, and Associations*

**55. Which of the following BPMN shapes represents a data store?**

A. 

B. 

**C.**  **Correct**

D. 

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Remember*
*Difficulty: 1 Easy*
*Learning Objective: 02-10 Understand and apply data objects and stores to model data created, updated, transferred, and deleted in a process.*
*Source: Original*
*Topic: Data Objects, Data Stores, and Associations*

## Essay Answers

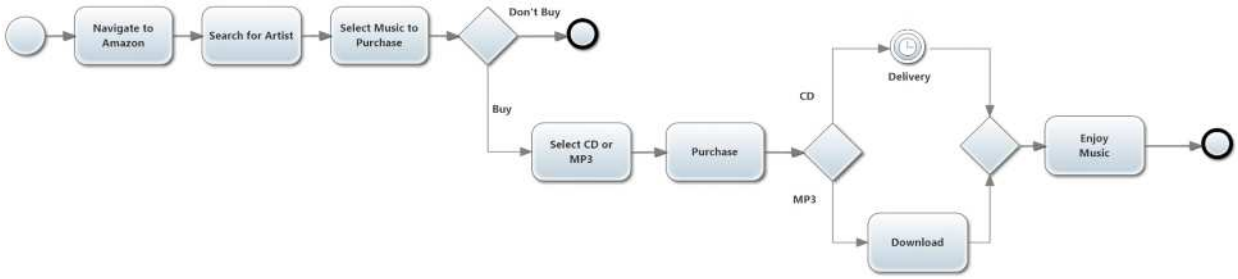
**56. Use the following description to create a Business Process Modeling Notation (BPMN) activity diagram of Nora's process.**

Nora accesses the Amazon.com website to purchase a favorite musician's latest album. She searches for the musician's name. Amazon displays the results of the search, and she selects the correct entry. She samples the music and then decides whether to purchase the album. If she decides to purchase the album, then she must decide whether to purchase a physical CD or just download the MP3 files.

If she decides to purchase the CD, she clicks on the buy now button. Since she is an Amazon Prime member, she automatically receives free 2-day delivery and the item is charged to her credit card. She then waits 2 days for the delivery of the CD. When it arrives, she can enjoy the music.

If she decides to purchase the MP3, she selects that option and again clicks on the buy now button. She is charged for the item and taken to a page to download her music. She downloads the album, and then she can enjoy her music.

**Answer**: There could be several similar answers, but this is a basic solution:




*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Apply*
*Difficulty: 3 Hard*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

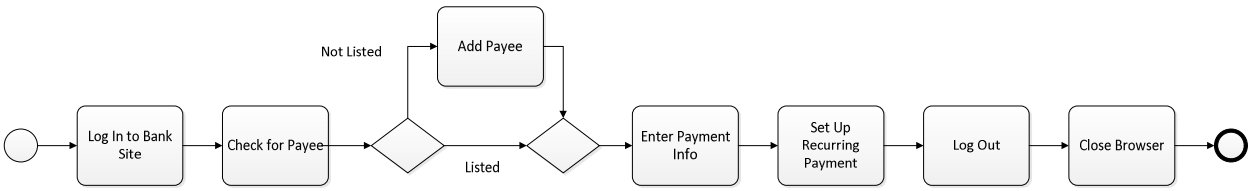
**57. Use the following description to create a Business Process Modeling Notation (BPMN) activity diagram of Jeremy's process.**

Jeremy is using his bank's online banking site to pay for his new phone. He logs onto the bank's website by entering his user name and password, confirming his SiteKey. After access to his account, he selects the Bill Pay tab. He searches to see of the phone company is already listed in the "Pay To Accounts."

If the phone company is not listed, he clicks on the option to "Add a New Pay To Account." He fills in the information for the phone company, including the name, address, account number, and phone number. After completing the entry, he is taken back to the list of "Pay To Accounts."

If the phone company is listed (or if he just completed entering the new account), he enters the amount of the payment. Then, he selects the option to set up a recurring payment. He enters the number of payments. Then, he selects the date that the payment should be sent each month. He then logs out of the banks online banking site and closes his browser.

**Answer:** There could be several similar answers, but this is a basic solution:



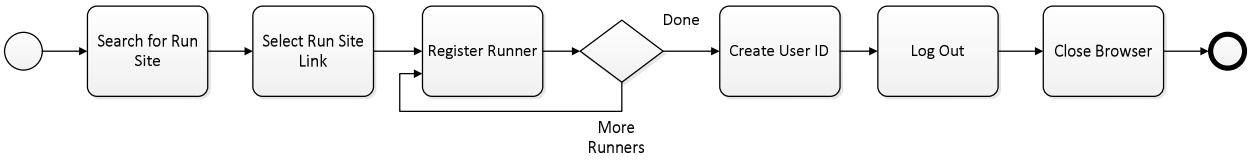

*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Apply*
*Difficulty: 3 Hard*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*

**58. Use the following description to create a Business Process Modeling Notation (BPMN) activity diagram of Caitlin's process.**

Caitlin is planning to run in the local July 4th 5K run. She wants to register online, but she forgot the websites URL. So, she navigates to Google and starts a search for the site. She selects the registration site from the search results. Once at the site, she selects the option to register for the 4th of July run. She fills in the registration form and provides her credit card information for payment.

After completing her own registration, she decides to register the other members of her team. One-by-one, she enters the registration information for the team member and pays for their entry. After completing all the registrations, she provides a user name and password so she can return to the site to see their results after the race. She logs out of the site and closes her browser.

**Answer:** There could be several similar answers, but this is a basic solution:




*AICPA: Analytic*
*AICPA BB: Leveraging Technology*
*AICPA FN: Leveraging Technology*
*Blooms: Apply*
*Difficulty: 3 Hard*
*Learning Objective: 02-05 Understand and apply the building blocks for BPMN (activity) diagrams*
*Source: Original*
*Topic: Business Process Modeling Notation*