

Quiz 1 (March 21, 2023)

1. What is a sprint in Agile development?
 - a) A meeting where developers discuss the status of the project
 - b) A period of time during which a team works to complete a set amount of work
 - c) A tool used for managing a backlog of tasks
 - d) A document outlining the goals of the project

Answer: b) A period of time during which a team works to complete a set amount of work

2. What is a product backlog in Agile development?
 - a) A list of all the features that need to be implemented in the software product
 - b) A document outlining the goals of the project
 - c) A tool used for managing a backlog of tasks
 - d) A document outlining the roles and responsibilities of the team members

Answer: a) A list of all the features that need to be implemented in the software product

3. What is a retrospective in Agile development?
 - a) A meeting where the team discusses what went well and what needs to improve
 - b) A tool used for managing a backlog of tasks
 - c) A document outlining the roles and responsibilities of the team members
 - d) A period of time during which a team works to complete a set amount of work

Answer: a) A meeting where the team discusses what went well and what needs to improve

4. Which Agile methodology involves breaking down tasks into small, manageable pieces called user stories?
 - a) Scrum
 - b) Kanban
 - c) Lean
 - d) Extreme Programming

Answer: a) Scrum

5. What is the role of the Scrum Master in Agile development?
 - a) To manage the product backlog
 - b) To facilitate the Scrum process and remove impediments
 - c) To develop the software product
 - d) To act as the point of contact between the team and the customer

Answer: b) To facilitate the Scrum process and remove impediments

6. Which Agile methodology emphasizes continuous delivery and fast feedback loops?
 - a) Scrum
 - b) Kanban
 - c) Lean
 - d) Extreme Programming

Answer: d) Extreme Programming

7. What is the purpose of a burndown chart in Agile development?
 - a) To track progress over time
 - b) To manage the product backlog
 - c) To facilitate the Scrum process
 - d) To document the roles and responsibilities of team members

Answer: a) To track progress over time

8. What is the purpose of a daily stand-up meeting in Agile development?

- a) To discuss the status of the project
- b) To plan the work for the next sprint
- c) To review the product backlog
- d) To prioritize user stories

Answer: a) To discuss the status of the project

9. What is a user story in software development?

- A) A detailed technical specification of a feature.
- B) A concise description of a feature from the user's perspective.
- C) A high-level description of a product or service.
- D) A measure of how much a feature will benefit the organization.

Answer: B) A concise description of a feature from the user's perspective.

10. What are the three components of a user story?

- A) Who, what, why.
- B) What, how, when.
- C) Who, what, when.
- D) What, why, value.

Answer: A) Who, what, why.

11. Who is responsible for writing user stories?

- A) The development team.
- B) The product owner.
- C) The project manager.
- D) The end users.

Answer: B) The product owner.

12. How are user stories prioritized?

- A) Based on technical complexity.
- B) Based on how many scenarios are associated with each user story.
- C) Based on their business value.
- D) Based on the length of the user story.

Answer: C) Based on their business value.

13. Which of the following is an example of a good user story?

- A) "As a user, I want a login button on the homepage so I can log in."
- B) "As a developer, I want to implement a new authentication system using OAuth 2.0."
- C) "As a user, I want the website to be faster so I can get my work done more quickly."
- D) "As a designer, I want to change the color scheme of the website to green and yellow."

Answer: A) "As a user, I want a login button on the homepage so I can log in."

14. What is the purpose of a feature in agile software development?

- A) To provide a detailed technical description of a product or service.
- B) To guide the development team in creating a solution that meets the goals of the organization.
- C) To provide a concrete example of how a user might interact with a feature.
- D) To help define and communicate the overall vision and goals of the product.

Answer: D) To help define and communicate the overall vision and goals of the product.

15. What is a scenario in agile software development?

- A) A tool used to define a feature from the perspective of the end user.

- B) A concrete example of how a user might interact with a feature in a particular situation or context.
- C) A high-level description of a feature from the perspective of the end user.
- D) A measure of how much a feature will benefit the end user or the organization.

Answer: B) A concrete example of how a user might interact with a feature in a particular situation or context.

16. What should a user story outline?

- A) How the feature will be implemented.
- B) What the user wants, why they want it, and what value it will provide.
- C) The technical details of the feature.
- D) How long it will take to develop the feature.

Answer: B) What the user wants, why they want it, and what value it will provide.

What is the purpose of creating a backlog in Agile ecommerce development?

- A. To keep track of completed tasks
- B. To identify potential issues and risks
- C. To prioritize tasks and features
- D. To track user engagement metrics

Answer: C. To prioritize tasks and features

Which of the following is an example of a task related to improving user experience in ecommerce?

- A. Integrating with a new payment gateway
- B. Implementing a new order tracking system
- C. Improving website navigation
- D. Enhancing product descriptions

Answer: C. Improving website navigation

What is the purpose of a sprint in Agile ecommerce development?

- A. To complete as many tasks as possible in a given time frame
- B. To allow time for testing and bug fixing
- C. To plan and prioritize tasks for the upcoming iteration
- D. To demo completed features to stakeholders

Answer: A. To complete as many tasks as possible in a given time frame

Which of the following is an example of a task related to website security in ecommerce?

- A. Adding new product categories to the website
- B. Implementing SSL encryption for online transactions
- C. Designing a new logo for the company
- D. Creating a social media marketing campaign

Answer: B. Implementing SSL encryption for online transactions

What is the primary goal of architectural design in Agile software development?

- A. To create a detailed project plan
- B. To ensure compliance with industry standards
- C. To define the system's overall structure and components
- D. To identify and mitigate project risks

Answer: C. To define the system's overall structure and components

Which of the following is an example of an architectural pattern commonly used in Agile software development?

- A. Singleton
- B. Adapter
- C. Observer
- D. Bridge

Answer: A. Singleton

What is the purpose of a design review in Agile software development?

- A. To evaluate the quality of code
- B. To identify and mitigate project risks
- C. To review and provide feedback on the overall system architecture
- D. To ensure compliance with industry standards

Answer: C. To review and provide feedback on the overall system architecture

Which of the following is an example of a non-functional requirement that may impact architectural design in Agile software development?

- A. User authentication and authorization
- B. User interface design
- C. Database schema design
- D. System performance and scalability

Answer: D. System performance and scalability

Which of the following is an example of a task related to architectural design in Agile software development?

- A. Writing unit tests for a new feature
- B. Developing a new user interface
- C. Defining the overall system architecture
- D. Debugging and fixing a software bug

Answer: C. Defining the overall system architecture