

Final Exam

- Due May 7, 2024 at 10am
- Points 75
- Questions 75
- Available until May 7, 2024 at 10am
- Time Limit 90 Minutes

Instructions

Please attempt all questions

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	40 minutes	66 out of 75

Score for this quiz: 66 out of 75

Submitted May 7, 2024 at 9:25am

This attempt took 40 minutes.



Question 1

1 / 1 pts

What is the primary objective of performance testing?

- ☐ To identify defects in the software
- ☐ To ensure the software functions according to specified requirements

Correct!

- ☒ To assess the responsiveness, throughput, and stability of the software under various conditions
- ☐ To validate the software's user interface design



Question 2

0 / 1 pts

Which type of requirement defines how well the system must perform its functions?

☐ Functional requirement

Correct Answer

☐ Non-functional requirement

You Answered

☒ User requirement

☐ Business requirement



Question 3

0 / 1 pts

What are the three questions typically asked during the Daily Scrum?

Correct Answer

☐ What are the project requirements? Who is responsible for each task? When will they be completed?

You Answered

☒ What did you do yesterday? What will you do today? Are there any obstacles?

☐ What are the project requirements? Who is responsible for each task? When will they be completed?

☐ How many hours did you work yesterday? How many hours will you work today? Can you work overtime?



Question 4

1 / 1 pts

Which of the following best describes the purpose of SDLC?

☐ To design computer hardware

Correct!

☒ To manage software projects

☐ To control the operating system

☐ To execute computer programs



Question 5

1 / 1 pts

What is a User Story in Agile development?

☐ A detailed technical specification of a software feature

Correct!

☒ A high-level description of a requirement from an end-user perspective

☐ A task assigned to a developer to implement a feature

☐ A document outlining the architecture of a software system



Question 6

1 / 1 pts

Which of the following best describes UX design?

☐ It focuses on the visual aspects of a product.

Correct!

☒ It encompasses all aspects of the end user's interaction with a product or service.

☐ It primarily involves coding and development.

☐ It focuses on back-end architecture.



Question 7

0 / 1 pts

What is software?

☐ Compiled code to manage a hardware

You Answered

☒ Set of human readable instructions

Correct Answer

☐ Set of computer programs and associated documentation and data

☐ Set of Software Components



Question 8

1 / 1 pts

What is the purpose of test execution reports?

☐ To identify defects in the software

Correct!

☒ To document and communicate the results of test execution

☐ To define the scope and objectives of testing

☐ To prioritize features based on user feedback



Question 9

1 / 1 pts

A software development team is deploying a major update to a web-based project management tool used by multiple teams within the organization. The team wants to ensure that the deployment process is reversible in case of any issues or unforeseen problems. Which deployment strategy should the team use?

☐ Blue-green deployment

☐ Canary deployment

☐ Canary deployment

Correct!

☒ Rollback deployment



Question 10

1 / 1 pts

What is the primary purpose of the Daily Scrum meeting in Scrum?

☐ To assign tasks to team members

☐ To provide a status update to stakeholders

Correct!

☒ To inspect progress towards the Sprint Goal and adapt the Sprint Backlog as needed

☐ To review and update the Product Backlog



Question 11

0 / 1 pts

Which maintenance activity involves adding new features or enhancing existing functionality?

Correct Answer

- ☐ Corrective maintenance
- ☐ Adaptive maintenance

You Answered

- ☒ Perfective maintenance
- ☐ Preventive maintenance



Question 12

1 / 1 pts

A company is planning to migrate its legacy software system to a cloud-based platform to improve scalability, reliability, and cost-effectiveness. The migration process involves redesigning the architecture, updating dependencies, and optimizing performance for cloud deployment. Which type of maintenance activity best describes this scenario?

- ☐ Corrective maintenance

Correct!

- ☒ Adaptive maintenance
- ☐ Perfective maintenance
- ☐ None of the above



Question 13

1 / 1 pts

Choice of model depends on the project's:

- ☐ Requirements
- ☐ Complexity
- ☐ Team Structure

Correct!

- ☒ All of the above



Question 14

1 / 1 pts

What is the purpose of Story Points in Agile estimation?

☐ To track the time spent on implementing a User Story

Correct!

☒ To prioritize User Stories based on their complexity

☐ To estimate the cost of implementing a User Story

☐ To track the progress of User Stories in the Sprint



Question 15

1 / 1 pts

A high-level abstract statement of a service or of a system constraint is NOT a Software Requirement.

☐ True

Correct!

☒ False



Question 16

1 / 1 pts

What is the recommended time-box for the Daily Scrum meeting?

☐ 30 minutes

☐ 45 minutes

Correct!

☒ 15 minutes

☐ 1 hour



Question 17

1 / 1 pts

What is the primary goal of the Sprint Review?



☐ To update the Product Backlog

Correct!

☒ To inspect the increment and adapt the Product Backlog as needed

☐ To assign tasks for the next sprint

☐ To update stakeholders on progress



Question 18

1 / 1 pts

Which of the following is not a core principle of DevOps?

☐ Automation

☐ Collaboration

☐ Continuous integration

Correct!

☒ Manual deployment



Question 19

1 / 1 pts

Which of the following is NOT typically included in a test plan?

☐ Test objectives

☐ Testing Team

☐ Test schedule

Correct!

☒ Test execution results



Question 20

0 / 1 pts

A software application running on an outdated operating system is experiencing compatibility issues with newer hardware and software components. The application needs to be updated to run on the latest operating system to ensure continued support and compatibility. Which type of maintenance activity is required in this situation?

☐ Corrective maintenance

Correct Answer

☐ Adaptive maintenance

You Answered

☒ Perfective maintenance

☐ Perfective maintenance



Question 21

1 / 1 pts

Which testing approach is more suitable for exploratory testing?

☐ Automated testing

Correct!

☒ Manual testing

☐ Both are equally suitable

☐ Neither is suitable for exploratory testing



Question 22

1 / 1 pts

You are testing a social media platform where users can post text, images, and videos. The platform needs to handle a large volume of user-generated content without crashing or experiencing performance issues. Which type of testing would be most appropriate to assess the platform's ability to handle this load?

Correct!

☒ Stress Testing

☐ Usability Testing

☐ Alpha Testing

☐ Beta Testing



Question 23

0 / 1 pts

Which phase of the Software Development Life Cycle (SDLC) is SQA typically involved in?

- ☐ Requirements Analysis
- ☐ Design

You Answered

- ☒ Implementation

Correct Answer

- ☐ All of the above



Question 24

1 / 1 pts

Who is responsible for removing impediments and facilitating Scrum events?

- ☐ Project Manager
- ☐ Product Owner

Correct!

- ☒ Scrum Master
- ☐ Development Team



Question 25

1 / 1 pts

A Requirement is a condition or capability needed by a user to solve a problem or achieve an objective.

Correct!

- ☒ True
- ☐ False



Question 26

1 / 1 pts

What is the purpose of smoke testing during software deployment?

Correct!

- ☒ To test the application in a production-like environment
- ☐ To verify that critical functionalities are working after deployment
- ☐ To automate the deployment process
- ☐ To document deployment procedures



Question 27

1 / 1 pts

What is the purpose of the Sprint Retrospective meeting?

- ☐ To review and update the Product Backlog
- ☐ To inspect and adapt the increment and provide feedback
- ☐ To assign tasks to team members for the next Sprint

Correct!

- ☒ To conduct a retrospective on the Sprint



Question 28

0 / 1 pts

What are the challenges of Implementing DevOps in an organization?

You Answered

- ☒ Cultural Shift
- ☐ Cost for Tools and Skillset
- ☐ Security

Correct Answer

- ☐ All of Above



Question 29

1 / 1 pts

Which type of maintenance is performed to prevent future issues and improve software maintainability?

- ☐ Corrective maintenance
- ☐ Adaptive maintenance

Correct!

☒ Preventive maintenance

☐ Perfective maintenance



Question 30

1 / 1 pts

Which tool is commonly used for version control in DevOps?

☐ Jenkins

☐ Docker

Correct!

☒ Git

☐ Ansible



Question 31

1 / 1 pts

Who is responsible for managing defects during the software development lifecycle?

☐ Developers

☐ Project managers

Correct!

☒ Testers

☐ Business analysts



Question 32

1 / 1 pts

What are the general stages of a Software Deployment Process?

☐ Preperation

☐ Testing

☐ Deployment

Correct!

☒ All of the above



Question 33

1 / 1 pts

In Scrum, who is responsible for ensuring that the Scrum Team follows the Scrum framework and values?

☐ Development Team

☐ Product Owner

☐ Stakeholders

Correct!

☒ Scrum Master



Question 34

1 / 1 pts

Where does the Requirement Engineering Starts from?

☐ Requirement elicitation

☐ Requirements Analysis

☐ Requirements Validation

Correct!

☒ Feasibility Study



Question 35

1 / 1 pts

What is a Sprint Backlog in Scrum?

☐ A list of all the work that needs to be done to complete the project

☐ A document that defines the project scope and objectives

☐ A tool for tracking the progress of the project

Correct!

☒ A list of the specific tasks the team plans to complete during the current Sprint



Question 36

1 / 1 pts

What is the primary focus of functional testing?

☐ Assessing the performance of the software system

Correct!

☒ Verifying that the software functions according to specified requirements

☐ Evaluating the user interface design

☐ Checking the compatibility of the software with different platforms



Question 37

1 / 1 pts

What is software deployment?

☐ The process of developing software applications

☐ The process of installing software on end-user devices

Correct!

☒ The process of making software available for use in a production environment

☐ The process of maintaining and updating software



Question 38

1 / 1 pts

What is the primary difference between UI and UX design?

☐ UI design focuses on back-end development, while UX design focuses on front-end development.

Correct!

☒ UI design focuses on the appearance of a product, while UX design focuses on the overall user experience.

☐ UI design focuses on usability testing, while UX design focuses on visual design.

☐ UI design focuses on user research, while UX design focuses on information architecture.



Question 39

0 / 1 pts

In wireframing, what does the term "low-fidelity" refer to?

You Answered

- ☒ The level of detail in the visual design
- ☐ The complexity of the interactive elements
- ☐ The degree of accuracy in representing the final product

Correct Answer

- ☐ The simplicity of the wireframe's structure and layout



Question 40

1 / 1 pts

One of the benefits of daily scrum meetings is that it helps avoid other unnecessary meetings.

Correct!

- ☒ True
- ☐ False



Question 41

1 / 1 pts

Which artifact in Scrum represents the list of all features, enhancements, and bug fixes for a product?

- ☐ Sprint Backlog
- ☐ Increment

Correct!

- ☒ Product Backlog
- ☐ Burndown Chart



Question 42

1 / 1 pts

Which of the following statements best describes the relationship between wireframes and prototypes?

- ☐ Wireframes are used for user testing, while prototypes are used for visual design.

Correct!

- ☒ Wireframes represent the layout and structure, while prototypes simulate functionality.
- ☐ Wireframes include detailed visual design elements, while prototypes focus on functionality.
- ☐ Wireframes are static, while prototypes are interactive representations of the final product.



Question 43

1 / 1 pts

Which type of maintenance involves making changes to the software to accommodate changes in the business environment or user requirements?

- ☐ Perfective maintenance
- ☐ Preventive maintenance

Correct!

- ☒ Adaptive maintenance
- ☐ None of the above



Question 44

1 / 1 pts

The term "DevOps" itself was coined in 2009 by :

- ☐ Mikael Fernholm

Correct!

- ☒ Patrick Debois
- ☐ John Smith
- ☐ Ahsan Jawed



Question 45

0 / 1 pts

You are testing a software application that is used for managing inventory in a warehouse. One of the requirements is that the system should accurately update the inventory count whenever items are added, removed, or modified. Which type of testing would be best to verify this functionality?

- ☐ Acceptance Testing

Correct Answer

☐ Functional Testing

You Answered

☒ Regression Testing

☐ Load Testing



Question 46

1 / 1 pts

What should be the outcome of the Daily Scrum meeting?

☐ A detailed plan for the entire Sprint

☐ Identification of any impediments or obstacles

☐ A report for upper management

Correct!

☒ Allocation of tasks for the next 24 hours



Question 47

1 / 1 pts

Does the Agile Framework allows to make scope / work changes during the script?

☐ Yes

Correct!

☒ No



Question 48

1 / 1 pts

Which of the following is not a type of software maintenance?

☐ Corrective maintenance

☐ Adaptive maintenance

Correct!

☒ Incremental maintenance

☐ Preventive maintenance



Question 49

0 / 1 pts

What is exploratory testing?

☐ A scripted testing approach

☐ A systematic testing approach

Correct Answer

☐ A technique that relies on the tester's domain knowledge and intuition

You Answered

☒ A technique used only for manual testing



Question 50

1 / 1 pts

What is the primary benefit of using wireframes before starting the visual design phase?

☐ To showcase branding elements such as logos and color schemes

☐ To gather user feedback on the overall aesthetics of the design

Correct!

☒ To focus on layout and functionality without distractions from visual design

☐ To test the performance of interactive features within the product



Question 51

1 / 1 pts

What is the recommended frequency for holding Sprint Planning meetings in Scrum?

☐ Once at the beginning of the project

Correct!

☒ Once at the beginning of each Sprint

☐ Once at the end of each Sprint

☐ Once every month



Question 52

1 / 1 pts

What is the recommended format for writing a User Story?

☐ A detailed list of technical requirements

Correct!

☒ A paragraph describing the feature from a user's perspective

☐ A flowchart illustrating the user interaction with the system

☐ A pseudocode implementation of the feature



Question 53

1 / 1 pts

Which type of maintenance involves making changes to software to keep it operational in a new or changing environment?

☐ Corrective maintenance

☐ Perfective maintenance

☐ Preventive maintenance

Correct!

☒ None of the above



Question 54

1 / 1 pts

In a sprint planning meeting, the development team estimates that a user story will take twice as long to implement as you originally estimated. What should you do as a Product Owner?

☐ Insist that the team stick to the original estimate to meet deadlines.

☐ Negotiate with the team to reduce the scope of the user story to fit within the original estimate.

Correct!

☒ Collaborate with the team to understand the reasons for the increased estimate and adjust the sprint plan accordingly.

☐ Ask the team to work overtime to meet the original estimate.



Question 55

1 / 1 pts

You are testing a calculator application. Which of the following is an example of a negative test case?

- ☐ Enter two positive integers and perform addition.
- ☐ Enter a negative integer and perform multiplication.

Correct!

- ☒ Divide a number by zero and verify the result.
- ☐ All of the above are negative test cases.



Question 56

1 / 1 pts

What is the purpose of regression testing?

Correct!

- ☒ To verify that new code changes have not adversely affected existing functionality
- ☐ To test a new feature before it is implemented
- ☐ To test the software in various environments
- ☐ To ensure all requirements are met



Question 57

1 / 1 pts

Who is responsible for ensuring that the Development Team understands and adheres to Scrum theory, practices, and rules?

- ☐ Product Owner

Correct!

- ☒ Scrum Master
- ☐ Development Team
- ☐ Project Manager



Question 58

1 / 1 pts

Which of the following is NOT a common element found in Low-Fed wireframes?

- ☐ Buttons
- ☐ Lorem Ipsum text

Correct!

- ☒ High-resolution images
- ☐ Navigation menus



Question 59

1 / 1 pts

What does the acronym "SRS" stand for in the context of software requirements?

- ☐ Systematic Requirement Specification
- ☒ Software Requirement Specification
- ☐ Systematic Requirement System
- ☐ Software Review and Specification



Question 60

1 / 1 pts

Which of the following is NOT a typical component of a User Story?

- ☐ Acceptance Criteria

Correct!

- ☒ User Interface Design
- ☐ Description
- ☐ Priority



Question 61

1 / 1 pts

Two separately hosted applications on the internet can communicate with each other via:

☐ File sharing

Correct!

☒ API

☐ Shared memory

☐ None of the above



Question 62

1 / 1 pts

Project Stakeholders Include

☐ Clients

☐ End Users

☐ Developers

Correct!

☒ All of the above



Question 63

1 / 1 pts

Calculation Algorithms and Reporting features are example of:

☐ Non-Functional Requirements

☐ System Requirements

Correct!

☒ Functional requirement

☐ None of the above



Question 64

1 / 1 pts

What does SQA stand for?

☐ Software Quality Analysis

Correct!

- ☒ Software Quality Assurance
- ☐ System Quality Assurance
- ☐ Software Quality Assessment



Question 65

1 / 1 pts

What is the purpose of Acceptance Criteria in a User Story?

- ☐ To specify the technical implementation details

Correct!

- ☒ To define the steps for testing the functionality
- ☐ To outline the user's interaction with the system
- ☐ To prioritize the User Story in the product backlog



Question 66

1 / 1 pts

Which of the following tools is commonly used for creating digital wireframes?

- ☐ Adobe Illustrator
- ☐ Microsoft Word

Correct!

- ☒ Sketch
- ☐ Microsoft Excel



Question 67

1 / 1 pts

Which technique involves observing users in their work environment to understand their processes and needs?

- ☐ Prototyping
- ☐ Interviews
- ☐ Requirement workshops

Correct!

☒ Observation



Question 68

1 / 1 pts

What is the purpose of a rollback strategy in software deployment?

- ☐ To automate the deployment process
- ☐ To deploy new features to a subset of users

Correct!

- ☒ To revert to a previous version of the software in case of deployment failures
- ☐ To scale the application horizontally



Question 69

0 / 1 pts

What is the role of the Scrum Master during the Daily Scrum meeting?

Correct Answer

- ☐ To assign tasks to team members

You Answered

- ☒ To facilitate the meeting and ensure that it stays within the time-box
- ☐ To provide updates on the project status to stakeholders
- ☐ To review and update the Product Backlog



Question 70

1 / 1 pts

Which of the following is NOT a common element found in Low-Fed wireframes?

- ☐ Buttons
- ☐ Lorem Ipsum text

Correct!

- ☒ High-resolution images
- ☐ Navigation menus



Question 71

0 / 1 pts

Which phase of the SDLC involves creating a blueprint or design document that outlines the structure and functionality of the software?

You Answered

- ☒ Planning
- ☐ Deployment
- ☐ Testing

Correct Answer

- ☐ None of the above



Question 72

1 / 1 pts

Which model divides the project into smaller functional components or increments?

- ☐ Iterative Model
- ☐ Spiral Model

Correct!

- ☒ Incremental
- ☐ Agile Model



Question 73

1 / 1 pts

What is DevOps

- ☐ A software development methodology

Correct!

- ☒ A collaboration culture between development and operations teams
- ☐ A programming language
- ☐ A cloud computing service



Question 74

1 / 1 pts

Which type of maintenance involves fixing bugs or defects reported by users or identified during testing?

- ☐ Adaptive maintenance
- ☐ Perfective maintenance

Correct!

- ☒ Corrective maintenance
- ☐ None of the above



Question 75

1 / 1 pts

What is the primary goal of test execution?

- ☐ To identify defects in the software
- ☐ To plan the testing activities

Correct!

- ☒ To run test cases and validate the behavior of the software
- ☐ To design test cases

Quiz Score: 66 out of 75

This quiz score has been manually adjusted by +3.0 points.