

# Quiz # 1

- Due Jan 29, 2024 at 10:30am
- Points 30
- Questions 30
- Available until Jan 29, 2024 at 10:30am
- Time Limit 20 Minutes

## Instructions

Attempt all Questions

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

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	16 minutes	23 out of 30

Score for this quiz: 23 out of 30  
Submitted Jan 29, 2024 at 10:26am  
This attempt took 16 minutes.



Question 1

1 / 1 pts

What is software?

- ☐ Compiled code to manage a hardware
- ☐ Set of human readable instructions

Correct!

- ☒ Set of computer programs and associated documentation and data
- ☐ Set of Software Components



## Question 2

1 / 1 pts

**What does SDLC stand for in software engineering?**

- ☐ Systematic Development Life Cycle
- ☐ Software Design and Lifecycle
- ☐ System Design and Logic Compilation

Correct!

- ☒ Software Development Life Cycle



## Question 3

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 4

1 / 1 pts

**In which sequence the Phases of SDLC are executed in Waterfall Model?**

- ☐ Design, Testing, Development, Analysis, Implementation & Maintenance
- ☐ Analysis, Design, Testing, Implementation, Development & Maintenance

Correct!

- ☒ Analysis, Design, Development, Testing, Implementation & Maintenance
- ☐ Analysis, Design, Testing, Development, Maintenance & Implementation



## Question 5

1 / 1 pts

**In SDLC, which phase involves gathering and understanding the requirements of the software?**

- ☐ Design
- ☐ Implementation
- ☐ Testing

Correct!

- ☒ None of the above



Question 6

1 / 1 pts

**What is the primary goal of the SDLC phase called "Implementation"?**

- ☐ To design the system architecture
- ☐ To gather and analyze requirements

Correct!

- ☒ To write code and build the software
- ☐ To identify and fix defects in the software



Question 7

1 / 1 pts

**In SDLC, what does the "Testing" phase primarily focus on?**

- ☐ Writing code

Correct!

- ☒ Identifying and fixing defects
- ☐ Gathering requirements
- ☐ Designing the user interface



Question 8

1 / 1 pts

**Which phase of the SDLC involves creating a detailed plan for the software project, including timelines and resources?**

- ☐ Design
- ☐ Implementation

Correct!

- ☒ Planning
- ☐ All of the above



Question 9

1 / 1 pts

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

- ☐ Planning
- ☐ Deployment
- ☐ Testing

Correct!

- ☒ None of the above



Question 10

1 / 1 pts

Software Models provide a structured framework for organizing tasks, activities, and processes involved in software development?

Correct!

- ☒ True
- ☐ False



Question 11

1 / 1 pts

Choice of model depends on the project's:

- ☐ Requirements
- ☐ Complexity
- ☐ Team Structure

Correct!

☒ All of the above



Question 12

1 / 1 pts

Which of the following is NOT a Software Model

☐ Waterfall

☐ Spiral

☐ Agile

Correct!

☒ None of the above



Question 13

1 / 1 pts

**What is the main characteristic of the Waterfall model in software development?**

☐ Iterative and incremental

Correct!

☒ Sequential and linear

☐ Flexible and adaptable

☐ Parallel and concurrent



Question 14

0 / 1 pts

**Which software development model emphasizes the importance of continuous customer feedback and collaboration throughout the development process?**

☐ Waterfall model

☐ Spiral model

Correct Answer

☐ Agile model

You Answered

☒ V-Model



Question 15

1 / 1 pts

**What does "V" represent in the V-Model of software development?**

Correct!

☒ Verification & Validation

☐ Variation

☐ Version

☐ All of the above



Question 16

1 / 1 pts

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

☐ Iterative Model

☐ Spiral Model

Correct!

☒ Incremental

☐ Agile Model



Question 17

1 / 1 pts

**Project Stakeholders Include**

☐ Clients

☐ End Users

☐ Developers

Correct!

☒ All of the above



### Question 18

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 19

1 / 1 pts

**What is the primary purpose of gathering software requirements?**

☐ To design user interfaces

☐ To write code

☐ To manage project timelines

Correct!

☒ To understand and document user needs and system behavior



### Question 20

0 / 1 pts

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

You Answered

☒ True

Correct Answer

☐ False



### Question 21

1 / 1 pts

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

☐ Systematic Requirement Specification

Correct!

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



Question 22

0 / 1 pts

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

You Answered

- ☒ Prototyping
- ☐ Interviews
- ☐ Requirement workshops

Correct Answer

- ☐ Observation



Question 23

0 / 1 pts

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

You Answered

- ☒ Functional requirement

Correct Answer

- ☐ Non-functional requirement
- ☐ User requirement
- ☐ Business requirement



Question 24

1 / 1 pts

**What is the difference between a requirement and a constraint in software engineering?**

- ☐ Constraints specify how the system should behave, while requirements define limitations.



Correct!

- ☒ Requirements specify how the system should behave, while constraints define limitations.
- ☐ Both terms are interchangeable.
- ☐ Constraints and requirements have no relation to each other.



Question 25

0 / 1 pts

Calculation Algorithms and Reporting features are example of:

You Answered

- ☒ Non-Functional Requirements
- ☐ System Requirements

Correct Answer

- ☐ Functional requirement
- ☐ None of the above



Question 26

0 / 1 pts

Where does the Requirement Engineering Starts from?

- ☐ Requirement elicitation

You Answered

- ☒ Requirements Analysis
- ☐ Requirements Validation

Correct Answer

- ☐ Feasibility Study



Question 27

1 / 1 pts

**Which Requirement Engineering activity involves reviewing and validating requirements with stakeholders?**

- ☐ Requirements elicitation

- ☐ Requirements analysis
- ☐ Requirements documentation

Correct!

- ☒ Requirements validation



Question 28

1 / 1 pts

**Which of the following activities is part of Requirement Analysis?**

- ☐ Testing the software
- ☐ Writing code

Correct!

- ☒ Identifying, refining, and documenting user requirements
- ☐ Managing project budgets



Question 29

0 / 1 pts

**What is the primary goal of Requirement Specification in software development?**

- ☐ Identifying, refining, and documenting user requirements
- ☐ Ensuring that the requirements are correct, complete, and consistent

Correct Answer

- ☐ Communicating detailed and clear requirements to the development team

You Answered

- ☒ All of the Above



Question 30

1 / 1 pts

**In the context of Requirement Engineering, what does the term "traceability" refer to?**

Correct!

- ☒ The ability to trace code back to its requirements

- ☐ The ability to trace user feedback to system behavior
- ☐ The ability to trace design decisions to project timelines
- ☐ The ability to trace project risks to the development team

Quiz Score: 23 out of 30