



System analysis



Introduction to Requirement Modeling Before Agile

1-Which of the following activities is NOT part of

the System Analysis phase?

- A Requirement Modeling
- B Data and Process Modeling
- C Software Testing**
- D Object Modeling

2- Customers often find it easy to clearly describe what they want the system to do.

- A) True
- B) False**

3- When customers list their requirements, they may provide an unprioritized set of conflicting capabilities.

- A) True**
- B) False

4- What happens when a systems project does not satisfy business requirements?

- A) It automatically succeeds
- B) It serves no useful purpose**

5- What is the overall objective of the systems analysis phase?

- A To finalize the project budget
- B To develop user manuals
- C To understand the proposed project and build a solid foundation for system development**
- D To deploy the system

6- The objective of systems analysis is to understand the proposed project and build a solid foundation for system development

- A) True**
- B) False

7- What is the primary goal of fact-finding in system analysis?



A To describe the current system and identify requirements for a new system

B To generate test cases for the system

8- Fact-finding primarily focuses on coding and deploying the system.

A) True

B) False

9- In Agile development, what is used to represent requirements?

A) Use Case Diagrams

B) Personas and User Stories

C) Software Requirements Specification (SRS)

D) Flowcharts

10- Which development approach uses Use Case Diagrams and other diagrams to represent requirements?

a) Agile development

b) Object-Oriented development

c) Structured development

11- What document is used to describe the nature of a project in Structured Development?

a) Use Case Diagram

b) Software Requirements Specification (SRS)

c) User Stories

12- The(SRS) is a document that describes the nature of a project for Object Oriented development.

A) True

B) False

13- Which of the following is the primary purpose of a Data Flow Diagram (DFD) in structured analysis?

A) To represent the flow of data through a system

B) To design the system interface

14- DFD Data flow Diagram, is the best tool for such modeling

A) True

B) False



15- Structured analysis primarily identifies which of the following in a system?

A) The network architecture of the system

B) The data flowing into a process, business rules

16- structured analysis treats processes and data as separate components

A) True

B) False

17- Which of the following is a commonly used tool in object modeling?

a) Flowchart

b) Entity-Relationship Diagram

c) Class Diagram

18- Analysts use only data modeling methods to gain information.

A) True

B) False

19- The "Make or Buy" decision is a key factor in determining the development options for a system.

A) True

B) False

20- Why are interpersonal skills important for a systems analyst?

A) A systems analyst who needs to work with people

B) They help in writing code

21- What is the focus of analytical skills in the context of systems analysis?

a) Gathering data for research purposes

b) Identifying problems and providing solutions



22- A systems analyst needs strong analytical and interpersonal skills to build an accurate model of the new system.

A) True

B) False

23- What is usually the result of greater user involvement in the development process?

- a) Increased development costs
- b) Poor communication
- c) Faster development times**
- d) Fewer satisfied users

24- 1. What does (JAD) involve?

- a) A focus on software testing
- b) Bringing users into the development process as active participants**
- c) Creating system documentation

25- Why is user involvement important in the development process?

- a) Because users are responsible for maintaining the system
- b) Because users have a vital stake in an information system**

26- What is a disadvantage (JAD)?

- A) It can result in a more accurate statement of system requirements.
- B) It is more expensive and can be cumbersome if the group is too large**

27- What benefit does JAD offer in terms of user participation?

- A) It limits user input to technical aspects only.
- B) It provides a limited view of project goals.
- C) It allows users to a participaten in requirements modeling.**

28- What does JAD help improve in terms of system requirements?

- a) It leads to vague and unclear system requirements
- b) JAD results in a more accurate statement of system requirements**

29- What is the primary focus of Rapid Application Development (RAD)?



- a) Strict adherence to timelines
- b) Prototyping and user involvement
- c) Minimal documentation

30- What tool does the RAD project team commonly use to build prototypes and document the development process?

- a) Waterfall software
- b) CASE tools
- c) Agile frameworks

31- What is the main goal of involving users in every phase of systems development?

- A) To reduce the complexity of the system
- B) To cut development time and expense

32- RAD also helps a development team design a system that requires a highly interactive or complex user interface.

- A) True
- B) False

33- Which of the following is a major benefit of using RAD for system development?

- a) It focuses on long-term strategic business needs.
- b) It requires a larger investment of time and resources.
- c) It allows systems to be developed quickly with significant cost savings.

34- What is a major disadvantage of the RAD methodology?

- a) It is highly effective in meeting long-term strategic business needs.
- b) It emphasizes the mechanics of the system rather than the company's business goals.
- c) It requires minimal user input and feedback.
- d) It is difficult to implement for small projects