

3 Lecture - CS504

Important Mcqs

What is the primary goal of requirement engineering? a) To develop software prototypes b) To manage software development teams c) To gather, analyze, and define software requirements d) To conduct usability testing **Solution: c) To gather, analyze, and define software requirements**

Which of the following is not a requirement type? a) Functional requirement b) Non-functional requirement c) Design requirement d) Performance requirement **Solution: c) Design requirement**

Which requirement engineering technique involves observing users in their natural environment? a) Interviews b) Questionnaires c) Use case modeling d) Ethnography **Solution: d) Ethnography**

What is the purpose of a use case diagram in requirement engineering? a) To describe the behavior of a system b) To depict the interaction between system components c) To specify the system architecture d) To represent the system's user interface **Solution: a) To describe the behavior of a system**

Which technique is used to prioritize requirements based on their importance? a) Prototyping b) Risk analysis c) Impact analysis d) MoSCoW prioritization **Solution: d) MoSCoW prioritization**

What is the main advantage of using a requirements traceability matrix? a) It helps in identifying software bugs b) It ensures that all requirements are met c) It improves user satisfaction d) It speeds up the software development process **Solution: b) It ensures that all requirements are met**

Which of the following is an example of a non-functional requirement? a) The system must allow users to create an account b) The system must process requests within 2 seconds c) The system must be compatible with Windows and macOS d) The system must generate weekly reports **Solution: b) The system must process requests within 2 seconds**

What does the acronym SMART stand for in the context of requirement specification? a) Specific, Measurable, Achievable, Relevant, Time-bound b) Simple, Modifiable, Acceptable, Realistic, Timely c) Structured, Managed, Accurate, Reliable, Thorough d) Scalable, Maintainable, Adaptable, Robust, Testable **Solution: a) Specific, Measurable, Achievable, Relevant, Time-bound**

Which of the following is a requirement validation technique? a) Use case modeling b) User story mapping c) Requirements review d) Requirement prioritization **Solution: c) Requirements review**

What is the purpose of requirements elicitation? a) To document software requirements b) To prioritize requirements c) To gather requirements from stakeholders d) To analyze and refine requirements **Solution: c) To gather requirements from stakeholders**