

# 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**