Team 1 – Quiz (week number: 5)

Lecture Topic: Requirements Engineering

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| **No** | **Quiz Questions** | **Student/Author Name** |
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|  | 1. What are the characteristics of good requirements? 2. What are the 4 phases of a conventional Requirements Engineering (RE) process? | Avni Mitawalkar |
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**What is the full form of BABOK and what are their requirements?**

BABOK: - Business Analysis Body of Knowledge

* Requirements: - Business Requirements

Stakeholders Requirements

Solution Requirements

**What is use Case?**

It is the behavior of a system without revealing its internal structure. Each use case specifies a sequence of actions that the system can perform interacting with its actors.

**What are the characteristics of good requirements?**

The IEEE Std. 830-1998 “Recommended Practice for Software Requirements” defines characteristics of good requirements:

* Correct
* Unambiguous
* Traceable
* Consistent
* Ranked for importance
* Verifiable
* Modifiable (i.e., maintainable)
* Complete

**What are the 4 phases of a conventional Requirements Engineering (RE) process?**

* Elicitation
* Analysis
* Specification
* Verification & Validation

**What does functional requirements describe?**

Functional Requirements describe the behavior and information that the solution will manage. They describe capabilities the system will be able to perform in terms of behaviors or operations, i.e., application features. They depend on the type of software, expected users, and the type of system where the software is used.

**Who develops requirements in Agile Teams?**

On Agile projects, end-users and a Product Owner are responsible for the development of user stories.

**What is Ripple-Effect Analysis?**

Ripple-effect analysis is a special case of change impact analysis where we investigate the impact that can be propagated based on data flows.

**What is System Interface Table?**

The System Interface Table is a specification that details the transaction flow between two systems (Source -> Target) from a business stakeholder’s point of view.

**What is requirements engineering?**

The process of developing and managing requirements that includes defined process phases and practices.

**What is the difference between functional requirements and non-functional requirements?**

**Functional requirements describe what the system should do while the non-functional requirements describe how the system works.**

**What is the goal of change impact analysis?**

The goal of change impact analysis is identifying the potential consequences of a change or estimating what needs to be modified to accomplish a change.

**What is System Context Diagram?**

A System Context Diagram (SCD) in software engineering is a diagram that defines the boundary between the system being developed and its environment, showing the main users and external systems that interact with the system.