

605.601 - Foundations of Software Engineering

Quiz 02

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Part 1

Answer any five questions below.

1. What kind of approach was introduced for elicitation and modelling to give a functional view of the system or software?
 - ☐ (a) Object Oriented Design
 - ☒ (b) Use Cases
 - ☐ (c) Fusion
 - ☐ (d) Object Modeling Technique
2. A stakeholder is anyone who will purchase the completed software system under development.
 - ☐ (a) True
 - ☒ (b) False
3. Which one of the following is not a step of requirement engineering?
 - ☐ (a) Elicitation
 - ☒ (b) Design
 - ☐ (c) Analysis
 - ☐ (d) Documentation

4. Which model in software modeling using UML depicts the dynamic behavior of the software?
- ☐ (a) Context Model
 - ☐ (b) Object Model
 - ☐ (c) Data Model
 - ☐ (d) Sequence Model
5. A Use-case actor is always a person having a role that different people may play.
- ☐ (a) True
 - ☒ (b) False
6. Project management is less important for modern software development since most projects are successful and completed on time
- ☒ (a) True
 - ☐ (b) False

Part 2

7. Please answer in your own words:

- (a) As a software engineer, do you have any responsibility or accountability to make sure that the software you and your team are developing – must be delivered on time and within budget? Please justify.

Customers are one of the critical aspects of software engineering. Without the consumer, a product ceases to exist for the development team. To maintain an amicable relationship with the clients, the development team must provide their best efforts. Every software engineer must contribute to the quality of the product. However, the quality of the product also includes the quality of its development process. The client would be satisfied if the development procedure

followed their requirements on deadlines and budgets and would ultimately seek a healthy business relationship with the development team. Therefore, as a software engineer, I have the responsibility to make sure the product is developed on time and within budget.

- (b) If you are a part of an Agile development team, how much importance or attention would you like to offer in order for your team to gather and analyze the requirements? Please explain.

As part of an Agile development team, I would prioritize seeking and analyzing the clients' requirements. In an Agile development setting, frequent communication between the development team and the consumers are expected. Some requirements that may not have been fully formed in the initial stages would eventually be adequately understood through consistent communication. However, it drastically helps the development procedure if the customers' constraints are well analyzed in the requirements gathering steps. It is much more efficient and also prevents any mistakes in the implementation steps. Any misguided lanes influenced by improper analysis of the requirements will result in ample amounts of wasted budget and time.