



Course Code: CS3009	Course Name: Software Requirements Engineering
Instructor Name: Dr. Syed Muazzam Ali Shah	
Student Roll No:	Section No:

Time: 25 minutes.

Max Marks:10 Points

Q1: Identify a set of functional requirements (at-least five, except login and logout functionality) from the given case study. Find out ambiguities in the statements from the given scenario. [5]

When members join the health club, they pay a fee for a certain length of time. The club wants to mail out reminder letters to members asking them to renew their memberships one month before their memberships expire. About half of the members do not renew their memberships. These members are sent follow-up surveys to complete about why they decided not to renew so that the club can learn how to increase retention. If the member did not renew because of cost, a special discount is offered to that customer. Typically, 25 percent of accounts are reactivated because of this offer. Every time a member enters the club, an attendant takes his or her card and scans it to make sure the person is an active member. If the member is not active, the system presents the amount of money it costs to renew the membership. The customer is given the chance to pay the fee and use the club, and the system makes note of the reactivation of the account so that special attention can be given to this customer when the next round of renewal notices is dispensed.

Answer:

Functional Requirements:

1. The System should be able to send reminder letters to the members to renew their memberships before one month of the expiry day.
2. Those members who are unable to renew the registration because of financial issues, the system should have the facility to offer a special discount to those customers.
3. Whenever a member enters into the club his/her card is get scan by the system to verify that he/she is an active member or not.
4. If the system found that the member is not an active member, the system displays the membership amount need to paid by the customer.
5. The system should be capable of keep the recode of the reactivation of the account so that special care can be given to that particular member.

Q2. Why is it that many software developers don't pay enough attention to requirements engineering? Are there ever circumstances where you can skip it? [3]

Answer:

Understanding the requirements of a problem is among the most difficult tasks that a software engineer face since requirements change continuously, hence they tend to pay little attention to it. In some cases, an abbreviated approach may be chosen. In others, every task defined for

comprehensive requirements engineering must be performed rigorously. Requirements engineering builds a bridge to design and construction and cannot be skipped.

Q3. Discuss some of the problems that occur when requirements must be elicited from three or four different customers. [2]

Answer:

In reality, the customer and the developer enter into a process of negotiation, where the customer may be asked to balance functionality, performance, and other product or system characteristics against cost and time to market. The intent of this negotiation is to develop a project plan that meets the needs of the customer while at the same time reflecting the real-world constraints (e.g., time, people, budget) that have been placed on the software team. Unfortunately, this rarely happens, each customer has his own views. These views do not match each customer, time is another constraint that matters, each customer may not have time to meet the developer and give the requirements, this further increases the problem.