SE 2001: Software Requirements Engineering (B)

Quiz 1

Time: 20 minutes   Max Marks: 20   Roll No.   Solution

Q1   **10 Marks**

Label each of the following requirements as Functional (F) or Non-functional (NF) in appropriate cell against each requirement. Two of the requirements have been already labeled for your ease and understanding

Requirements	Sr. No.	F / NF
The system shall allow the customers to enroll themselves		F
The system shall allow the customers to place an order through internet.		NF
The system shall ensure that borrower's name is entered for each loan	1	F
The system shall respond to the analyst's request for information in less than 5 seconds of submission of the request	2	NF
The system shall advise the user with a polite message if the user's search request is illegal	3	NF
The system shall display the information of multiple lenders in separate tabs	4	NF
The system shall process the loans ranging from the amounts 100,000 to 1,000,000 PKR	5	F
The system shall ensure that no loan is less than 100,000 PKR	6	F
The system shall change the rating of a borrower from good late on request	7	F
The system shall allow the analyst to access the repository in investment requests	8	F
The system shall allow the analyst to change the type of loan	9	F
The system shall allow the analyst to use Loan Arranger feature	10	F

Q2   **10 Marks**

We need to write software for art performance scheduling in a festival. This system is required within next 5 weeks. The system keeps records of which artist shall perform on which date. No artist should be performing more than one item. At maximum of ten items (or performances) can be scheduled on a

particular date. There should be operations to add and remove performances from the schedule, swap dates of the performances, list schedule for a particular date, know the date of performance for a particular artist, and list the time of item for a particular type of performance. The software needs to be written in C#.NET.

List 3 functional and 2 non-functional requirements for the Performance Scheduling System (PSS) in standard format with hierarchical numbering.

Functional:

1. The PSS shall not allow the scheduling of more than ten performances on a particular date
2. The PSS shall make sure that no artist is scheduled to perform more than one item
3. The PSS shall allow the user to add and remove performances from the schedule
4. The PSS shall keep record of artists' performances
5. The PSS shall allow the user to list schedule for a particular date
6. The PSS shall allow the user to swap dates of performances
7. The PSS shall allow the user to know the date of performance for a particular artist
8. The PSS shall allow the user to view the time of items for a particular type of performance

Non Functional:

9. The system shall be completed and deployed within next 5 weeks
10. The system shall be developed using C#.NET