

**National University**

**of Computer & Emerging Sciences Peshawar Campus**

fast-logo

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examination: Sessional-2

Total Marks: **30** Weightage: **15**

Date: 13th November, 2023

Instructor Name: Sara Rehmat

Program: BS (SE)

Semester: Fall-2023

Time Allowed: 01 hour

Course: Software Requirements Engineering (SE2001)

**NOTE:** Attempt all questions.

**Questions numbered 1,2 and 3 are based on the following scenario:**

The client wants to build a product that is a resource for developers. This resource will enable the developers to have software experts at their disposal to ask questions for any issue they encounter. On this application, developers ask questions to the community of developers. Experts or anyone from the community can respond to the question. Developers can comment on answers as well. Developers will be able to browse questions and search for questions based on keywords. When viewing a question, developers will also be able to see a list of similar questions that are related to the one they are viewing.

Developers can up-vote if they agree with the answer, or down-vote if they disagree. This would sort answers to the question based on their validity--with the answers that receive the highest number of up-votes appearing at the top, and those with the lowest appearing at the bottom.

Each developer can have an account. Developers must have an account if they wish to ask questions or respond to questions and/or answers. Developers who ask a question can get notifications when someone answers it. Developers can browse questions without an account. They can also up-vote and down-vote answers without an account. A developer’s account can be updated to have a profile picture. The profile page shows all the questions that the developer has asked or responded to. A developer with an account can bookmark questions. They can also put a question into a watchlist -- whenever someone answers this question, they would get a notification. **`**

**Question 1: Marks: 6, Estimated Time: 10 minutes, CLO: 2**

1. Please provide three (3) user stories for Developer from the scenario above in the prescribed format:

“As a developer, I want \_\_\_\_\_, so that \_\_\_\_\_”.

1. Please provide three (3) user stories for Account Holder from the scenario above in the prescribed format:

“As an account holder, I want \_\_\_\_\_, so that \_\_\_\_\_”.

1. Consider the following user story:

“As a developer, I want to search for questions, so that I can find the related questions”.

Based on INVEST criteria for writing good user stories, please identify which criteria the given user story is not fulfilling. Give reasons for your answer.

**Question 2: Marks: 8, Estimated Time: 25 minutes, CLO: 2**

Write fully dressed specification for any Use Case based on the given scenario.

**Question 3: Marks: 8, Estimated Time: 5 minutes, CLO: 3**

1. Draw the Swimlane Diagram for the given scenario.
2. Draw the Activity diagram for the Use Case whose specification you have written in Question 2.

**Question 4: Marks: 8, Estimated Time: 15 minutes, CLO: 5**

Please give short answers to the following questions related to Jira:

1. Write a query in JQL (Jira Query Language) that returns all the issues created within last three days and not done yet.
2. Define the concept of Work In Progress Limits in Kanban.
3. What are different types of issue in Jira and what does each type represent?

**Question 5: Marks: 8, Estimated Time: 15 minutes, CLO: 5**

Differentiate between the following terms:

**Best of luck**