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|  | **BAHRIA UNIVERSITY, (Karachi Campus)**  *Department of Software Engineering*  **Assignment 2 - Spring 2023** |  |



COURSE TITLE: **SOFTWARE QUALITY ENGINEERING** COURSE CODE: **SEN-321**

Class: **BSE-6 (B)** Shift: **Morning**

Course Instructor: Sohaib ur RehmanTime Allowed:  **1 Week**

Submission Date: **13th June 2023** Max. Marks: **5 Marks**

**Question No. 1 [CLO2: 5 Marks]**

Assignment Title: QA Techniques

Task:

Assignment Description:

In this assignment, you will explore the fundamentals of Quality Assurance (QA) and demonstrate your understanding of its key concepts and principles. Your task is to analyze a given scenario and apply QA techniques to identify potential defects and propose solutions for improvement.

Assignment Guidelines:

**Scenario**: Imagine you are working on a team developing a mobile banking application. The application allows users to check their account balances, transfer funds, and view transaction history.

**Identify Potential Defects:** Analyze the mobile banking application scenario and identify potential defects or issues that users might encounter. Consider different aspects such as functionality, usability, performance, security, and compatibility.

**Defect Categorization:** Categorize the identified defects into appropriate categories based on their nature and impact on the application's functionality and user experience.

**Propose Solutions:** For each identified defect, propose a solution or improvement to address the issue. Explain how the proposed solution would resolve the defect and enhance the overall quality of the mobile banking application.

**Justification:** Provide a justification for each proposed solution, explaining why it is an effective approach to addressing the identified defect. Consider factors such as feasibility, impact on the user experience, and adherence to industry best practices.

**Evaluation Criteria:**

Your assignment will be evaluated based on the following criteria:

1. Thoroughness of defect identification, considering various aspects of the mobile banking application.
2. Accuracy and relevance of defect categorization, demonstrating a comprehensive understanding of different defect types.
3. Effectiveness and feasibility of proposed solutions, addressing the identified defects and improving the application's quality.
4. Clarity and coherence of justifications, providing solid reasoning for each proposed solution.

Submission Requirements:

Use reputable sources to research and support your answers and mentioned all references.

Your answers should be clear, concise, and free of errors.

Your assignment should be properly formatted with headings, subheadings, and lists where appropriate.

Your assignment should be 3-5 pages in length, double-spaced with 12 pt font size.

Submit a hard copy before 15 June 2023.