

F/OBEM01/06/00

**NED University of Engineering & Technology**

**Department of Software Engineering**

**Affective Domain Level** \_\_\_A-3\_\_\_

**Course Code & Title**: SE-484 SOFTWARE TESTING STRATEGIES AND TECHNIQUES

**PLO No**. \_ 4 **Description**: \_\_ Investigation

**Submission Date:10 july 2023**

**Title:** A Comparative Analysis of Software Test Case Management Tools for Improved Testing Efficiency and Quality Assurance

**Problem Description:**

This case study aims to evaluate and compare different software test case management tools to identify the most suitable solution for enhancing testing efficiency and ensuring robust quality assurance processes.

The evaluation will focus on key criteria such as ease of use, test case organization, collaboration features, integrations, reporting capabilities, and scalability. The results of this study will assist organizations in selecting the most appropriate test case management tool that aligns with their specific testing requirements.

**Objectives:**

1. Assess the ease of use and user interface.
2. Evaluate the organization and structure of test cases within each tool.
3. Compare the collaboration features of the tools, including user roles, task assignment, and real-time updates.
4. Analyze the integrations offered by each tool with popular testing frameworks, bug tracking systems, and version control tools.
5. Evaluate the reporting capabilities of the tools, including the generation of comprehensive test case execution reports.
6. Assess the scalability of the tools to accommodate growing testing needs and accommodate multiple projects simultaneously.

**Deliverables:**

1. Comparative Analysis Report: A comprehensive report that provides an in-depth analysis of different software test case management tools

Methodology used for conducting the comparative analysis, including the selection criteria for the tools.

1. Presentation Slides: A concise and visually appealing slide deck summarizing the comparative analysis, key findings, and recommendations. This deliverable can be used to present the results to stakeholders, such as project managers, QA teams, or executives

**Expected Outcome**:

This case study will provide a comprehensive comparison of Tools in terms of their usability, test case organization, collaboration features, integrations, reporting capabilities, and scalability. The results will help organizations make informed decisions when selecting a test case management tool that best suits their specific testing requirements, ultimately improving testing efficiency and ensuring high-quality software deliverables.

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**Evaluation Rubrics for Affective Domain**

Instructor:           **SIMRA NAJM**                    Batch: **2019**    Class: **BESE**       Semester:  **Spring 2023.**

**Student’s Name Roll No.:**

**Assignment Title:**

A Comparative Analysis of Software Test Case Management Tools for Improved Testing Efficiency and Quality Assurance

**PLO 4 Investigation – Rubric for Affective Domain Assessment (A-3)-Report**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criterion** | **1** | **2** | **3** |
| ***Acknowledges***  Investigation by demonstrating a curiosity and interest and initiative in the investigative process and the topic of software test case management tools. | Average: Demonstrates some curiosity and interest in the investigation. | Good: Shows genuine curiosity and interest initiative in exploring the concepts and methodologies involved. | Excellent: Displays a high level of curiosity and deep interest and initiative in the comparative analysis.. |
| ***Practices***  Shows appropriate openness to considering different perspectives and ideas. | Average: Shows limited openness to considering different perspectives and ideas. | Good: Approaches the analysis with an open mind and considers alternative approaches. | Excellent: Demonstrates a strong willingness to challenge preconceived notions and adapt viewpoints based on new |
| ***Values***  Investigation by emphasizing the importance of ethical conduct and integrity during the research process. | Average: Demonstrates basic adherence to ethical guidelines and standards. | Good: Displays consistent honesty, integrity, and ethical behavior throughout the investigation process.. | .Excellent: Exhibits exemplary integrity and consistently adheres to the highest ethical standards in all aspects of the investigation. |
| ***Timely Submission*** | - | Late submission | On time |
| ***Quality Of Report*** | Covers limited  details. | Cover required  details. | Covers full  details. |

Total Score =

Weighted Score (%)