Evaluation Report

Introduction

The following report presents a comprehensive evaluation of the tasks undertaken within the defined scope and requirement. The purpose of this evaluation is to assess the functionality of search, performance and outcomes of the tasks executed. The report is organized into sections that provide a detailed analysis of each task and its corresponding results.

Task 1: Requirements Analysis and Coverage

Objective: The objective of the task is to do requirement analysis and create the test cases required to check the functionality of web page for searching available workplaces in organization.

Key Activities:

- Understanding the Requirements.
- Test cases creation.
- Complete coverage of functional test cases.

Results and Findings: Functional test cases created. The test Cases can be found in the excel sheet (Task1_Testcase) tab.

Requirement Analysis:

Functional Requirements:

Search by Date: Users should be able to search for available workplaces based on a specific date.
Search by Floor: Users should be able to search for available workplaces on a specific floor.
Search by Equipment: Users should be able to search for available workplaces based on specific equipment requirements.
Search by Smoking Restrictions: Users should be able to search for workplaces with specific smoking restrictions.

Non-Functional Requirements:

1. **Efficiency**: The search should return results quickly to ensure a seamless user experience.
2. **Accuracy**: The search results should accurately match the specified criteria.
3. **Usability**: The web-form should be user-friendly and intuitive to use.

Bad Requirements:

1. **System shall provide search results without delay.** - The requirement lacks a specific definition of what constitutes "without delay." It would be better to quantify the acceptable response time, e.g., "The system shall provide search results within 2 seconds."
2. **System shall provide user-friendly interface.** - This requirement is vague and subjective. It would be more helpful to provide specific usability criteria or guidelines.
3. **System shall allow searching only for the date range that is not in the past.** -This requirement assumes that only future dates are valid. However, it might be necessary to support searching for historical data as well.

Suggestions for Improvement of requirements:

1. Provide specific performance benchmarks for response time to clarify the "without delay" requirement.
2. Define usability guidelines or criteria for a "user-friendly interface.
3. Clarify whether historical searches are allowed and provide requirements accordingly.

Task 2: Estimation

Objective: Task Estimation and creation of Work breakdown structure.

a) Work breakdown structure (WBS) and task estimation for Testing search page functionality:

The WBS is in the sheet (WBS_1) where the primary requirements of the task 1 were used.

b) To add new feature in existing web page search functionality (Task1).

The WBS is in the sheet (WBS_2 Increment Feature) where the new requirement and user stories were kept in mind.

Key Activities:

- Work Breakdown Structure (WBS) for Test Activities for Task 1.
- Test estimation for each test activities.
- Update the WBS based on the new requirements to add in the Task 2.
- Test cases created for new added requirements.

Results and Findings:

- WBS created and estimation based on Task 1.
- WBS updated for adding new feature requirements.
- Test cases created for new feature added.

High-Level Description of Test Process:

The estimated test activities come together in a structured process to ensure the functionality, usability, and performance of the web-form for searching available workplaces. The process starts with planning and preparation, where objectives, scope, and test data are defined. Test cases are designed to cover all requirements and scenarios.

During test execution, the web-form is rigorously tested using the generated test data, and the system's behaviour is validated against expected outcomes. Usability testing involves gathering feedback from users to ensure the interface is intuitive and user-friendly. Performance testing measures the system's response time under different conditions.

Documentation and reporting capture all the test activities, including test plans, test cases, executed test results, and suggestions for improvements. The review and sign-off phase ensures that stakeholders are informed about the testing outcomes and that the system meets the required quality standards. As a result of these planned activities, the customer receives a thoroughly tested web-form that provides accurate search results, intuitive user experience, and reliable performance.

4. Conclusion:

This report highlights the outcomes of the evaluation conducted on the specified tasks. It emphasizes the test activities performed for each task and results achieved.