

Project Name	Workplace Management System
Module Name	workplace search functionality
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Task 2 – Estimation

Description: Please provide rough estimate with WBS for test activities planned in the previous task.

Provide information about what you suggest to include and what the customer gets as a result of planned activities.

Bonuses: Make a high-level description of how estimated test activities sum up in a process

Task 1 - Test Data and Test Cases:

1. Test Data:

Date:

Today's date.

Future dates.

Past dates (for testing requirement 4).

Invalid dates (e.g., non-date text).

2. Floor:

Test with each available floor.

Invalid floor numbers.

Edge cases like floor 0 or negative floor numbers.

3. Equipment:

Different combinations of equipment (e.g., "Computer", "Printer", "Scanner").

Test with each equipment individually.

Test with no equipment selected.

4. Smoking Restrictions:

Test with smoking allowed and disallowed.

Test with no smoking restrictions specified.

5. Test Cases:

i) Basic Functionality:

Test searching without selecting any criteria.

Test searching with one or more criteria selected.

li) Sorting and Navigation:

Test sorting search results by each available field.

Test navigating between search results.

6. Validation:

Test validation of provided data before search.

Test validation for past date ranges.

7. Performance:

Test the performance of search functionality with a large data set.

8. User Interface:

Test user interface elements for usability and accessibility.

Verify that the search result table is read-only.

Task 2 - Estimation:

● Work Breakdown Structure (WBS):

1. Requirement Analysis:

Review user stories and requirements.

Identify test scenarios and create test cases.

2. Test Environment Setup:

Prepare test environments for web and mobile applications.

3. Test Case Design Description:

Design test cases covering all aspects of the workplace search functionality.

Include:

Identify test scenarios based on user stories and requirements.

Design test cases covering functionalities such as booking, canceling, and managing working places.

Document test cases including steps, expected results, and acceptance criteria.

4. Test Case Execution:

Execute test cases for workplace search functionality.

Execute test cases for user registration, booking, user roles, and mobile application.

5. Defect Reporting and Tracking:

Log and track defects found during testing.

Collaborate with development team for resolution.

6. Regression Testing:

Conduct regression testing after defect fixes and application updates.

7. Documentation:

Prepare test plans, test cases, and test reports.

8. Estimated Effort:

Total estimated effort: 4 weeks

- **Assumptions:**

Test environment setup and configuration are ready before testing starts.

Development team delivers the features according to the planned schedule.

Collaboration between testing and development teams is effective for defect resolution.

Test cases cover the critical paths and user stories.

- **Quality Expectation:**

High-quality assurance ensuring that the new features are thoroughly tested and meet customer expectations.

Minimal defects in production resulting in a seamless user experience.

Comprehensive documentation for future reference and maintenance.

- **Result:**

The planned activities aim to ensure the quality and reliability of the new features added to the application.

Through systematic testing and collaboration, potential issues are identified and resolved before deployment, resulting in a robust and user-friendly system.

- **Suggestion to include and what the customer gets as a result of planned activities.**

1. Booking Available Working Places for Future:

Include: Implement a feature where users can select future dates and reserve available working places.

Customer Benefits: Users can secure a workspace in advance, ensuring availability when needed, leading to improved productivity and satisfaction.

2. Cancel Booking:

Include: Develop functionality allowing users to cancel their booked working places.

Customer Benefits: Users have flexibility and can release booked places if their plans change, allowing others to utilize the available spaces efficiently.

3. User Registration:

Include: Implement a user registration system where users can create accounts with their details.

Customer Benefits: Registered users can access their booked places from anywhere, providing a personalized experience and fostering user engagement and loyalty.

4. Mobile Application Usage:

Include: Develop a mobile application version of the system compatible with iOS and Android devices.

Customer Benefits: Users can conveniently access the system on their mobile devices, enhancing accessibility and usability, and catering to their on-the-go needs.

5. Manage Working Places:

Include: Provide office managers with tools to manage the status and details of working places.

Customer Benefits: Office managers can ensure that the system's information about working places is accurate and up-to-date, leading to better resource management and user experience.

6. Create New Working Places:

Include: Enable office managers to add new working places to the system.

Customer Benefits: The system can accommodate changing needs and growing demand for workspace, providing users with more options to choose from and improving overall satisfaction.

Task 3 – Complex Reporting

Description: Please put all the results on all the tasks performed in scope of this evaluation into a structured report.

Test Report

Project Name: Workplace Management System

Project Overview:

The Workplace Management System is a web-based application designed to facilitate the search, booking, and management of office workplaces within an organization. The system allows users to search for available workplaces based on various criteria such as date, floor, equipment, and smoking restrictions. Additionally, users can register, book workplaces, and manage workplace information through the system.

Task 1: Test Data and Test Cases

❖ Test Data:

- I) Date: Today's date, future dates, past dates, invalid dates.
- II) Floor: Valid floor numbers, invalid floor numbers, edge cases.
- III) Equipment: Different combinations of equipment, individual equipment, no equipment selected.
- IV) Smoking Restrictions: Smoking allowed, smoking disallowed, no smoking restrictions specified.

❖ Test Cases:

I) Basic Functionality:

- Test searching without setting any criteria.
- Test searching with one or more criteria selected.
- Sorting and Navigation:
 - Test sorting search results by each available field.
 - Test navigating between search results.

II) Validation:

- Test validation of provided data before search.
- Test validation for past date ranges.

III) Performance:

- Test performance of search functionality with a large data set.

IV) User Interface:

- Test usability and accessibility of user interface elements.

Verify that the search result table is read-only.

Task 2: Estimation

❖ Work Breakdown Structure (WBS):

- I) Requirement Analysis
- II) Test Environment Setup
- III) Test Case Execution
- IV) Defect Reporting and Tracking
- V) Regression Testing
- VI) Documentation
- VII) Estimated Effort: 4 weeks

❖ Assumptions:

Test environment setup and configuration are ready before testing starts.
Development team delivers features according to the planned schedule.
Collaboration between testing and development teams is effective for defect resolution.
Test cases cover critical paths and user stories.

❖ Quality Expectation:

High-quality assurance ensuring that new features are thoroughly tested and meet customer expectations.
Minimal defects in production resulting in a seamless user experience.
Comprehensive documentation for future reference and maintenance.

Task 3: Complex Reporting

❖ Overall Assessment:

The testing activities performed in Tasks 1 and 2 aimed to ensure the quality and reliability of the Workplace Management System. Through systematic testing and collaboration, potential issues were identified and resolved before deployment, resulting in a robust and user-friendly system.

❖ Recommendations:

Address the identified bad requirements to ensure comprehensive testing coverage.
Monitor and track defects effectively throughout the testing process.
Conduct thorough regression testing after defect fixes and application updates.
Document test plans, test cases, and test reports for future reference and maintenance.

❖ Conclusion:

The testing efforts undertaken in Tasks 1 and 2 contribute to the overall quality and success of the Workplace Management System. By adhering to best practices and addressing identified issues, the system is well-positioned to meet the needs and expectations of its users.