DAMCO SOLUTIONS Assignment

Task - 1

Task – 1 Requirements Analysis and Coverage

1.Test cases.

1. Verify that the web-form allows searching without setting search parameters.
2. Verify that the web-form correctly filters workplaces based on the provided search criteria.
3. Verify that the web-form returns the list of workplaces that meet the specified criteria.
4. Verify that the user can sort the search results by any of the attributes mentioned in the requirements.
5. Verify that the search result table is read-only.
6. Verify that the web-form validates provided data before search.
7. Verify that the web-form provides search results without delay.
8. Verify that the web-form provides flexible navigation between results.
9. Verify that the web-form provides a user-friendly interface.

2.Negative Test cases

1. Performing Testing with a slow or unstable internet connection.

2. Verify the web- form working fine in different browsers (Chrome, Mozilla FireFox, safari, internet explorer).

3. Verify the web – form UI does not break with different devices.

4. Verify the Web -form working on different operating system (OS) e.g. Windows, Linux, Mac OS, Android.

Detail Test cases and Test data link below :-

Link :-
https://docs.google.com/spreadsheets/d/1hpNg8jVDlp7MW7qRBK8dEIXLjNsv923CgDrKGKpftLc/edit?usp=sharing

- **Test Data:**
  Correct search criteria.
  Invalid search criteria.
  No search results found.
  Multiple search results found.

Task – 2

WBS (Work Breakdown Structure) for Test Activities

Task 2 - Estimation

1. Test Planning (2 days)

1. Define test objectives
2. Identify the scope of testing
3. Plan resources and schedule

2. Test Case Design (2 days)

1. Create test scenarios
2. Develop test cases foreach user story

3. Test Environment Setup (1 day)

1. Prepare test environment
2. Install necessary software and configurations.

4. Test Data Preparation (2 day)

1. Generate test data for user registration.
2. Simulate booking scenarios.
3. Create data for user roles testing.
4. Include positive and negative test cases to validate system behaviour.

5. Test Execution (4 days).

1. Execute test cases on the system.
2. Identify and document any deviations from expected behaviour.
3. Include testing of search functionality with and without search parameters.

7. Regression Testing (2 days):

1. Perform regression testing to ensure new features do not impact existing functionality.
2. Confirm that previous functionalities are interact after the introduction of search-related features.

8. Performance Testing (3 days):

1. Evaluate system performance during search operations.
2. Ensure that search results are delivered within an acceptable timeframe.
3. Verify the responsiveness of the system under varying loads.

9. Usability Testing (2 days):

1. Evaluate the user-friendliness of the interface during search and navigation.
2. Collect feedback on the user experience and interface design.

10. Documentation (2 days):

1. Document test results, including any issues and resolutions.

2. Prepare a summary report detailing the testing process, outcomes, and recommendations.

10. Review and Sign-off (2 day):

1. Conduct a final review of test activities and results.
2. Obtain customer approval and sign-off on the testing phase.

Customer Deliverables:

1. Test Plan:

- Comprehensive document outlining testing strategy, scope, and activities.

2. Test Cases:

- Set of detailed test cases covering all aspects of the search functionality.

3. Test Execution Reports:

- Reports summarizing test results, including any issues and resolutions.

4. Performance Test Results:

- Detailed findings from performance testing, ensuring search responsiveness.

5. Usability Feedback:

- Feedback on the user-friendliness of the search interface.

6. Summary Report:

- A comprehensive report summarizing the overall testing process and outcomes.

Suggestions:

1. Customer Involvement:
- Encourage customer involvement during testing to validate that the system meets their expectations.

2. Iterative Testing:

- Consider an iterative testing approach, allowing for adjustments based on early feedback.

3. Collaborative Review:

- Schedule collaborative review sessions with the customer to address any concerns or questions.

4. Training:

- Offer training sessions to users to familiarize them with the new search functionality.

5. Continuous Communication:

- Maintain open communication channels with the customer throughout the testing phase.

This WBS provides a structured approach to testing activities, ensuring thorough coverage of the search functionality while delivering clear documentation and customer-ready reports.

Increment Description:

The upcoming increment of the application is designed to expand the existing functionality significantly. The key additions to the project plan for the new version include user registration, office place booking, user roles (user and office manager roles), and the introduction of a native mobile application. These features aim to enhance the user experience, provide administrative control, and facilitate on-the-go access through mobile devices.

User Stories:

1**. As a user, I want to book available working places for the future so that nobody could take the place.**

   - Users should be able to browse and book available working places through both the web and mobile applications.

- The booking feature should allow users to select future dates, ensuring advanced planning.

2. As a user, I want to have the ability to cancel booking so that another user could book it instead.

- Users should be able to cancel their booked working places using both web and mobile interfaces.

- Cancelled places should promptly become available for other users to book.

3. As a user, I want to register into the system so that I can view working places I have booked.

- Users can register into the system through the web application.

- A user profile should be created upon successful registration, allowing users to track their bookings.

4. As a user, I want to use the mobile application for system usage so that I can do it any time.

- Users should be able to perform all system activities through the native mobile application.

- The mobile app should offer a seamless and responsive experience, enabling users to access the system at any time.

5. As an office manager, I want to manage working places so that the system provides valid up-to-date information to system users.

- Office managers, with appropriate roles, can manage and update details of existing working places through the web application.

- Ensure that the system displays accurate and real-time information to users.

6. As an office manager, I want to create new working places so that users could have the ability to find and book them.

- Office managers should be able to create new working places through the web application.

- Newly created places should be immediately available for users to find and book.

Development Considerations:

1. Integration Testing:

   - Rigorous testing of the integrated features to ensure seamless functionality across web and mobile platforms.

2. Security Measures:

   - Implementation of robust security measures for user registration, authentication, and data protection.

3. User Training:

   - Provision of user training materials and documentation, particularly highlighting new features and workflows.

4. Scalability:

   - Design considerations for scalability to accommodate potential growth in user base and system complexity.

Customer Benefits:

1. Enhanced User Flexibility:

   - Users can now register, book, and manage working places not only through the web but also via a convenient mobile application.

2. Administrative Control:

   - Office managers gain tools to efficiently manage and create working places, ensuring up-to-date information for users.

3. Streamlined Processes:

- The booking and cancellation features streamline the process of securing and releasing working places.

4. Clear User Roles:

  - The introduction of user roles ensures that functionalities align with the specific needs and responsibilities of different user groups.

5. Improved Accessibility:

  - The native mobile application provides users with the flexibility to use the system anytime, anywhere.

This increment aims to bring a more comprehensive and user-friendly system, meeting the diverse needs of both users and office managers. The features enhance accessibility, efficiency, and overall user satisfaction.

Thank You