Test Plan: Workplace Search Functionality

Document Change History

Version Number	Date	Contributor	Description
V1.0	30.01.2024	Ashish	Creation of test plan document

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1. Introduction

This test plan outlines the testing approach for the Workplace Search functionality of the system. The purpose is to ensure that the system allows users to perform effective searches, set search criteria, filter workplaces, sort results, and navigate through search outcomes.

2. Test Objectives

To verify that the system allows users to perform searches with or without setting search parameters.
To confirm that the system enables searching workplaces using provided parameters.
To ensure the system restricts searching for the date range that is not in the past.
To validate that the system allows sorting search results by all available fields.
To verify that the system validates provided data before initiating a search.
To ensure the system provides search results promptly without delays.
To confirm the system provides flexible navigation between search results.
To verify that the system presents a user-friendly interface.
To ensure the search result table is read-only.

3. Scope

The testing will cover the Workplace Search functionality of the system.

4. Test Approach

Testing will involve both manual and automated testing. The focus will be on functional testing, usability testing, load testing and performance testing.

4.1 Functional Testing :

Verify the major functionality are working as per requirement

4.2 Load Testing:

Verify the response of application on high load

4.3 Performance Testing :

Verify stability , speed and responsiveness of the application

5. Test Cases

Below is a brief summary of the test case. Detailed test cases are provided in the attached Excel sheet named 'Test_Case_Search01.xlsx

5.1 Search Functionality

Search Without Criteria

- Input: Perform a search without setting any search parameters.
- Expected: System allows searching without criteria.

Search with Provided Parameters

- Input: Perform a search with provided parameters.
- Expected: System allows searching workplaces using provided parameters.

Search Date Range Validation

- Input: Attempt to search with a date range in the past.
- Expected: System restricts searching for the date range that is not in the past.

5.2 Sorting Functionality

Sort by All Fields

- Input: Sort search results by all available fields.
- Expected: System allows sorting search results by all available fields.

5.3 Data Validation

Validate Data Before Search

- Input: Provide invalid data and initiate a search.
- Expected: System validates provided data before search.

5.4 Performance

Search Results Promptness

- Input: Perform a search.
- Expected: System provides search results without delay.

5.5 Navigation

Flexible Navigation

- Input: Navigate between search results.
- Expected: System provides flexible navigation between results.

5.6 User Interface

User-Friendly Interface

- Input: Interact with the user interface during searches.
- Expected: System provides a user-friendly interface.

5.7 Result Table

Read-Only Search Result Table

- Input: Attempt to modify search results.
- Expected: Search result table is read-only.

6. TEST LEVELS

6.1 Level 1 - Build Acceptance Tests

Build Acceptance Tests should take less than 2-3 hours to complete (15 minutes is typical). These test cases simply ensure that the application can be built and installed successfully.

6.2 Level 2 - Smoke Tests

Smoke Tests should be automated and take less than 2-3 hours (20 minutes is typical). These test cases verify the major functionality at a high level.

6.3 Level 2a - Bug Regression Testing

Every bug that was “Open” during the previous build, but marked as “Fixed, Needs Re-Testing” for the current build under test, will need to be regressed, or re-tested.

6.4 Release Tests

Test Cases that need to be run at least once during the entire test cycle for this release. These cases are run once, not repeated as are the test cases in previous levels. Functional Testing and Detailed Design Testing.

7. Test Environments

- Browsers: Chrome, Firefox, Safari
- Operating Systems: Windows, macOS, Linux

8. Dependencies

- Availability of valid test data.

9. Risks and Assumptions

- Risk: System response time may vary based on server load.
- Assumption: Valid test data is available for testing.
- The developer team has completed unit testing.
- Test scripts are developed and approved.
- User Acceptance testing will be conducted by End-users

10. Test Deliverables

- Test cases
- Test execution reports

11. Roles & Responsibility

11.1 Developer :

(a) Develop the system/application

(b) Develop Use cases and requirements in collaboration with the Adopters

(c) Conduct Unit, system, regression and integration testing

(d) Support user acceptance testing

11.2 Testing Management Team:

(a) Monitor and manage testing integrity and Support testing activities

12. Test Execution Schedule

- Test execution will commence on 10.02.2024 and conclude on [14.02.2024].

13. Defect Reporting

- Any defects identified during testing will be reported using the standard defect reporting process.

14.Test Completeness

- When Qa Manager and Project lead agree that testing is complete, the app is stable, and agree that the application meets functional requirements.
- Script execution of all test cases in all areas have passed.
- Automated test cases have passed in all areas.
- All priority 1 and 2 bugs have been resolved and closed.
- Each test area has been signed off as completed by the Test Lead.
- 50% of all resolved severity 1 and 2 bugs have been successfully re-regressed as final validation.
- Ad hoc testing in all areas has been completed

15. Approval

This test plan requires approval from [Project Stakeholder/Manager]. Approval indicates agreement with the outlined approach and scope.

Approved by: Robin
Date: 30.01.2024
