Test Documentation

Automation Test Cases for the Klaar Website

Test 1: Workspace Settings

1. Login to the Klaar Website
    a. Action: Log in using user credentials.
    b. Expected Result: The user should be logged in successfully.
2. Navigate to Settings Module
    a. Action: Navigate to the Settings module.
    b. Expected Result: The user should land on the Settings page.
3. Confirm Landing on the Workspace Settings Page
    a. Action: Check if the user is on the Workspace settings page.
    b. Expected Result: The user should be on the Workspace settings page.
4. Validate the Appearance and Functionality of the Workspace Settings Page
    a. Action: Validate the appearance and functionality of the workspace settings page.
    b. Expected Result: The workspace settings page should display correctly and function properly.
5. Add New Workspace Logo
    a. Action: Add a new workspace logo.
    b. Expected Result: The new workspace logo should be added successfully.
6. Delete Workspace Logo
    a. Action: Delete the workspace logo.
    b. Expected Result: The workspace logo should be deleted successfully.

Test 2: User Custom Fields

1. Navigate to User Custom Fields Settings
    a. Action: Navigate to the Settings module and the User Fields page.
    b. Expected Result: The user should land on the User Fields page.
2. Add New Custom Field of Type Date
    a. Action: Add a new custom field of type Date.
    b. Expected Result: The added custom field should be reflected in the user company details page.
3. Add Future Date in Custom Field
    a. Action: Add a future date in the custom field for the user and save.
    b. Expected Result: The future date should be added successfully.
4. Add New Custom Field of Type List
    a. Action: Add a new custom field of type List with 3 list options.
    b. Expected Result: The added custom field should be reflected in the user company details page.

5. Select List Item for Custom Field
    a. Action: Select a list item for the custom field and save.
    b. Expected Result: The list item should be selected and saved successfully.
6. Test Custom Field Switch On/Off Toggle
    a. Action: Test the custom field switch on/off toggle.
    b. Expected Result: Changes should be reflected respectively in the user company details page.
7. Delete Custom Field
    a. Action: Delete the custom field.
    b. Expected Result: The custom field should no longer be visible in the custom field table and the user company details page.

Test Data

1. Test images for uploading as workspace logo.
2. Test names and dates for custom fields.

Test Execution Steps

1. Execute Test Cases sequentially.
2. Record any deviations from expected results.
3. Ensure proper cleanup after each test execution.

Test Dependencies

1. Selenium WebDriver
2. Chrome Browser
3. Chromedriver

Test Automation Considerations

1. Implementing WebDriver waits for elements to ensure synchronization.
2. Implementing Page Object Model for better code maintainability.
3. Extending test coverage for edge cases and negative scenarios.

Test Completion Criteria

1. All test cases execute without any failures.
2. Expected results match actual results for each test case.
3. Proper cleanup of test data and environment after execution.

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Performance Test Results

Test Execution Summary

Tests	Pass (%)
1 Thread 1 Loop	97.22
1 Thread 5 Loops	97.22
1 Thread 10 Loops	97.22
5 Thread 1 Loop	97.22
5 Thread 5 Loops	97.22
100 Thread 1 Loop	90.85
100 Thread 5 Loops	85.67

- 1 Thread 1 Loops:
  - Pass Percentage: 97.22%
  - This test demonstrates satisfactory performance with a single thread and one loop.
- 1 Thread 5 Loops:
  - Pass Percentage: 97.22%
  - Performance remains consistent with increased loop iterations under a single thread.
- 1 Thread 10 Loops:
  - Pass Percentage: 97.22%
  - Consistent performance is observed even with 10 loop iterations under a single thread.
- 5 Thread 1 Loop:
  - Pass Percentage: 97.22%
  - Introducing multiple threads with a single loop maintains stable performance.
- 5 Thread 5 Loops:
  - Pass Percentage: 97.22%
  - Multi-threading with increased loop iterations maintains stability.
- 100 Thread 1 Loop:
  - Pass Percentage: 90.85%
  - Performance slightly drops with a significant increase in thread count.
- 100 Thread 5 Loops:
  - Pass Percentage: 85.67%
  - Further, a decrease in performance was observed with both increased thread count and loop iterations.

Performance Test Conclusion

- The application demonstrates stable performance under moderate load conditions with varying thread counts and loop iterations.
- However, performance degrades significantly under higher stress scenarios, particularly with 100 threads and 5 loop iterations.
- Further optimization may be required to enhance performance under extreme load conditions.
- Continuous monitoring and performance testing are recommended to ensure the scalability and stability of the application.