

STD Document

Mohammad khayyo



Table of Contents

Purpose of this document	3
Scope	3
Goals	4
Glossary	5
Test Cases	6
Tests Tree	11
Traceability Table.....	12

Purpose Of This Document

The purpose of this document is to delineate a comprehensive test automation strategy specifically tailored for Monday.com's website, utilizing Selenium Grid with Python. This strategy is designed to ensure a systematic approach to validating the functionality, performance, reliability, and user experience of the Monday.com platform. By defining the scope, methodologies, resources, and timelines for the testing activities, this document aims to serve as a roadmap for the QA team. It facilitates effective planning, execution, and management of test cases, enabling the identification and resolution of potential issues before they impact end-users. Additionally, this document will act as a communication tool among project stakeholders, providing clear insights into the testing process, objectives, and outcomes. The ultimate goal is to uphold and enhance the quality and performance of Monday.com, thereby assuring a seamless, efficient, and productive experience for its users.

Scope

Crafting the developmental roadmap for the Monday.com platform involves a meticulous focus on pivotal goals, encompassing the refinement of user account administration, fostering seamless task and project collaboration, implementing workflow automation, across diverse platforms, establishing integrative capabilities with external tools, optimizing data visualization, fortifying security measures, enhancing communication features, instituting user feedback mechanisms, expanding customization options, ensuring platform compatibility. This strategic approach is geared towards elevating the overall user experience and functionality of the Monday.com platform.

Goals

Comprehensive Test Coverage:

Goal: Develop STD files to provide comprehensive coverage of Monday.com's functionalities, ensuring that critical workflows and features are thoroughly tested.

Error Detection and Reporting:

Goal: Create automated test scenarios within the STD files to effectively identify and report errors or anomalies in the system behavior, providing detailed information for efficient debugging.

Cross-Browser Compatibility:

Goal: Implement STD files to validate and ensure that the Monday.com website functions seamlessly across various web browsers, guaranteeing a consistent user experience for all users.

Security Testing:

Goal: Integrate security-focused STD files to systematically test the platform for vulnerabilities, ensuring that Monday.com adheres to security best practices and safeguards user data.

User Workflow Validation:

Goal: Create STD files that mimic real user workflows to validate end-to-end scenarios, ensuring that users can smoothly navigate through key features and complete tasks without hindrance.

Documentation and Reporting:

Goal: Implement STD files that generate comprehensive test documentation and reports, providing clear insights into test results, including passed tests, detected issues, and overall system health.

Glossary

Monday.com:

The project management platform that serves as a digital workspace for teams to coordinate, collaborate, and manage tasks and projects efficiently.

Digital Workspace:

An online environment provided by Monday.com where teams can plan, organize, and execute tasks and projects collaboratively.

Task Coordination:

The process of organizing and managing individual tasks within a project to ensure they align with the project's objectives and timelines.

Project Management:

The systematic planning, coordination, and execution of a project, involving tasks, resources, and timelines to achieve specific goals.

Collaboration Hub:

Monday.com's centralized platform that facilitates seamless collaboration among team members, allowing them to share files, communicate, and stay updated on project progress.

STD (Software Test Description) File:

A document outlining the details and specifications of the software testing procedures, including test scenarios, test cases, and expected outcomes for Monday.com development.

Test Scenario:

A high-level description of a specific functionality or feature to be tested within Monday.com, providing context for the test cases.

Test Case:

A detailed set of conditions, inputs, and expected outcomes for testing a specific aspect or functionality of Monday.com.

Test Suite:

A collection of related test cases organized together in the STD file, typically focused on a specific module or feature of the Monday.com application.

Defect:

An identified deviation or inconsistency in the behavior of Monday.com compared to its expected results, documented in the STD file for resolution.

Test Cases

Test Case 1: Valid Login

Objective: Verify that a user can successfully log in with valid credentials and the user's profile information is displayed correctly.

Preconditions: User must have a valid username and password.

Steps:

1. Navigate to the login page of the application.
2. Enter a valid username into the username field.
3. Enter the corresponding password into the password field.
4. Click the login button.

Expected Results:

- The system should redirect the user to the expected dashboard or landing page after successful login.

- The user's profile information (name, profile picture, etc.) should be correctly displayed in the designated areas of the dashboard or landing page.

Test Case 2: Contact Management

Objective: Verify that users can create, view, and edit contact details in the CRM.

Preconditions: User must be logged in and have permission to manage contacts.

Steps:

1. Navigate to the contact management section of the CRM.
2. Click on the option to add a new contact.
3. Enter the contact details such as name, email, and phone number.
4. Save the contact.

Expected Results:

- The contact should be successfully created and listed in the contact management section.
- The contact details should be stored and displayed correctly.
- Editing functionality should be available and work correctly to update contact information.

Test Case 3: Dark Mode

Objective: Ensure that users can enable and disable dark mode in the application.

Preconditions: User must be logged in.

Steps:

1. Go to the settings or preferences menu.
2. Toggle the option to enable dark mode.
3. Observe the application interface for changes.
4. Toggle the option again to disable dark mode.

Expected Results:

- The application interface should change to dark mode when enabled.

- The application should revert to the default light mode when dark mode is disabled.

Test Case 4: Changing Priority

Objective: Verify that users can change the priority of tasks within the application.

Preconditions: There must be existing tasks with set priorities.

Steps:

1. Navigate to the task management section.
2. Select a task to edit.
3. Change the priority setting (e.g., from low to high).
4. Save the changes.

Expected Results:

- The task's priority should be updated in the system.
- The changes should be immediately reflected in the user interface.

Test Case 5: Deleting a Single Task

Objective: Verify that users can delete a single task from the task list or task details view.

Preconditions: At least one task must exist in the task list.

Steps:

1. Navigate to the task list or open the task details view.
2. Select the delete option for the task.
3. Confirm the deletion if prompted.

Expected Results:

- The task should be immediately removed from the interface.
- The task list should no longer include the deleted task.

Test Case 6: Deleting All Tasks

Objective: Ensure that users can delete all tasks from the task board.

Preconditions: Multiple tasks must be present on the task board.

Steps:

1. Navigate to the task board.
2. Select the option to delete all tasks.
3. Confirm the deletion if prompted.

Expected Results:

- All tasks should be removed from the task board.
- The task board should be empty and reflect the deletion across the user interface.

Test Case 7: Undo Functionality

Objective: Verify that users can undo recent actions like task deletion or addition.

Preconditions: An action such as task addition or deletion must have been performed recently.

Steps:

1. Perform an action like adding or deleting a task.
2. Click the undo option.
3. Observe the changes reversed by the undo action.

Expected Results:

- The undo action should reverse the previous operation.
- The application should restore to the previous state before the undone action.

Test Case 8: Search Functionality

Objective: Confirm that the search functionality is accurate and user-friendly.

Preconditions: Data to be searched for (tasks, contacts, etc.) must exist.

Steps:

1. Navigate to the search bar or search functionality in the application.

2. Enter a query relevant to the tasks or contacts.
3. Execute the search.

Expected Results:

- The search functionality should return results matching the criteria.
- The results should be accurate and displayed in a user-friendly manner.

Test Case 9: Filtering Tasks

Objective: Ensure users can filter tasks based on specific criteria.

Preconditions: There must be tasks present with varying attributes to filter by.

Steps:

1. Navigate to the task section.
2. Apply various filters such as priority, due date, or assignee.
3. Observe the task list for changes based on the applied filters.

Expected Results:

- The task list should update to only display tasks that meet the filtering criteria.
- The application should handle multiple filters applied simultaneously without issues.

Test Case 10: Exporting Data

Objective: Verify that users can export data such as tasks or contacts to a file.

Preconditions: There must be data present that can be exported.

Steps:

1. Navigate to the section of the application where data export is available.
2. Select the data to be exported.
3. Choose the format for export (e.g., CSV, Excel) and confirm the action.

Expected Results:

- The application should generate an export file in the chosen format.

- The exported file should contain complete and accurate information from the application.
- The export options should be readily available and functional within the application.

Test Tree

Application Testing

```

|-- 1. Valid Login
| |-- Verify login with valid credentials
| |-- Check redirection to dashboard after login
| |-- Confirm display of user profile information
|
|-- 2. Contact Management
| |-- Create a new contact in CRM
| |-- Verify storage and display of contact details
| |-- Edit and update contact information
|
|-- 3. Dark Mode
| |-- Enable dark mode from settings
| |-- Verify UI changes to dark mode
| |-- Disable dark mode and revert to light mode
| |-- Confirm UI reverts to default light mode
|
|-- 4. Changing Priority
| |-- Change priority level of a task
| |-- Confirm UI reflects priority changes
|
|-- 5. Deleting a Single Task
| |-- Delete a task from the task list
| |-- Confirm removal from UI
|
|-- 6. Deleting All Tasks
| |-- Delete all tasks from the board
| |-- Confirm the task board is empty
| |-- Check immediacy of deletion reflection in UI
|
|-- 7. Undo Functionality

```

- | |-- Undo a task deletion or addition
- | |-- Confirm previous action is reversed
- |
- | |-- 8. Search Functionality
- | |-- Perform a search within the application
- | |-- Verify accuracy of search results
- | |-- Confirm search results are user-friendly
- |
- | |-- 9. Filtering Tasks
- | |-- Apply filters to task view
- | |-- Verify correct task display based on filters
- | |-- Check responsiveness with multiple filters
- |
- | |-- 10. Exporting Data
- | |-- Export tasks or contacts to a file
- | |-- Confirm completeness and accuracy of exported data
- | |-- Check availability of export options

Traceability Table

ID	Test Case Description	Test Steps	Test Data	Expected Results	Related Requirements
1	Valid Login	1. Enter valid username and password.	Valid credentials	User is redirected to the dashboard/landing page. User's profile information is displayed correctly.	Authentication
2	Contact Management	1. Create a new contact. 2. Edit and update contact information.	Contact details (name, email, phone, etc.)	Contact is successfully created and details are displayed. Contact information is updated successfully.	CRM Functionality
3	Dark Mode	1. Enable dark mode from settings/preferences menu.	User preference for display mode	Dark mode is enabled. Dark mode is disabled, and light mode is active.	User Preferences

ID	Test Case Description	Test Steps	Test Data	Expected Results	Related Requirements
		2. Disable dark mode and switch back to light mode.			
4	Changing Priority	1. Change the priority of a task from low to high.	Task with low priority	Priority change is reflected in the UI.	Task Management
5	Deleting a Single Task	1. Delete a single task from the task list or details view.	Task to be deleted	Task is immediately removed from the interface.	Task Management
6	Deleting All Tasks	1. Delete all tasks from the task board.	Multiple tasks on the board	Task board is empty after deletion.	Task Management
7	Undo Functionality	1. Perform an action (e.g., task deletion).	Action to be undone	The previous operation is reversed.	UI Interaction
8	Search Functionality	1. Use the search functionality to find tasks or contacts.	Search criteria (e.g., task name, contact name)	Accurate and user-friendly search results are displayed.	Search Functionality
9	Filtering Tasks	1. Apply filters to view tasks based on criteria.	Filter criteria (e.g., priority, due date)	Filtered view accurately displays tasks meeting criteria.	Task Management
10	Exporting Data	1. Export task or contact data to a downloadable file.	Export options (e.g., CSV, Excel)	Exported file contains accurate and complete information.	Data Export