**Software Test Design Document for Asana web application**

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**1. Document Overview**

**This document provides the detailed test design for the Asana web application. It outlines the approach, resources,**

**and schedule for the testing activities.**

**The goal is to ensure that the software meets its Requirements and works as expected.**

**2. Test Design Approach**

**The test design for the Asana web application will follow a structured approach to ensure comprehensive coverage of all functionalities and usability aspects.**

**The approach includes Functional Testing - Validating core operations such as asset browsing, searching, purchasing, and integration.**

**3. Test Design Process:**

* **Identify Test Scenarios: Based on requirements and use cases.**
* **Design Test Cases: Detailed steps to validate each test scenario.**
* **Review and Approve Test Cases: By the project team.**
* **Prepare Test Data: Sample assets, user accounts, configurations.**
* **Execute Tests: According to the defined schedule.**
* **Analyze Test Results: Compare expected vs. actual outcomes.**

**4. Test Design**

**4.1. Test Case Template**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
|  | | | |  |  | | |  | | | |  |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
|  | | | | |  | | |  | | | |  |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
|  | | |  | | |  | | | |  | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
|  |  |  | |  | | |  | |  | |  | |
|  |  |  | |  | | |  | |  | |  | |
|  |  |  | |  | | |  | |  | |  | |

**2.2 Test Cases**

**Test Case ID: 001**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Create Button – Test pop-up display on click | | | | 1 | 001 | | | 1 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that when pressing the create button, a pop-up containing the 5 options (task, project, portfolio, etc.) appears. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that the create button functions correctly by displaying a pop-up with the expected options. | | | None. | | | A Windows 11 computer with internet connection, and a user logged into the Asana website. | | | | Ensure the user is logged in and on the home page of Asana before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Open a web browser and navigate to Asana's home page. |  | | The home page of Asana will display, and the create button is visible. | | | As expected. | | Pass | | / | |
| 2 | Click on the "Create" button. |  | | A pop-up containing 5 options (task, project, portfolio, etc.) will appear. | | | As expected. | | Pass | | / | |

**Test Case ID: 002**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| New Project Window – Test page display on create -> project | | | | 1 | 002 | | | 2 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that when pressing on create -> project, the page for creating a new project appears according to the URL. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that clicking on create -> project navigates to the new project creation page. | | | None. | | | A Windows 11 computer with internet connection, and a user logged into the Asana website. | | | | Ensure the user is logged in and on the home page of Asana before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Open a web browser and navigate to Asana's home page. |  | | The home page of Asana will display, and the create button is visible. | | | As expected. | | Pass | | / | |
| 2 | Click on the "Create" button and select "Project". |  | | The browser navigates to the page for creating a new project (URL: <https://app.asana.com/0/projects/new>). | | | As expected. | | Pass | | / | |

**Test Case ID: 003**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test header project name appears | | | | 1 | 003 | | | 3 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that the project name appears in the project template header after it is filled in. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that the project name is correctly displayed in the project template header after input. | | | None. | | | A Windows 11 computer with internet connection, and a user logged into the Asana website on the project creation page. | | | | Ensure the user is on the new project creation page before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
|  | Open a web browser and navigate to Asana's project creation page. |  | | The project creation page of Asana will display, and the project name input field is visible. | | | As expected. | | Pass | | / | |
|  | Fill in the project name input field. |  | | The project name appears in the project template header. | | | As expected. | | Pass | | / | |

**Test Case ID: 004**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test drag and drop feature | | | | 2 | 004 | | | 4 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying the drag and drop feature on the dashboard page, ensuring that chart locations swap correctly. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that the drag and drop feature works correctly, swapping the positions of charts on the dashboard page. | | | None. | | | A Windows 11 computer with internet connection, and a user logged into the dashboard page of the website. | | | | Ensure the user has access to add and manipulate charts on the dashboard before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Add two charts to the dashboard. |  | | Two charts are displayed on the dashboard, one on the left and one on the right. | | | As expected. | | Pass | | Press ctrl + click on the screenshot to open it. | |
| 2 | Capture the initial locations of the charts. |  | | Initial locations of the left and right charts are recorded. | | | As expected. | | Pass | |  | |
| 3 | Drag the left chart to the right position. |  | | The left chart is successfully moved to the right position. | | | As expected. | | Pass | |  | |
| 4 | Capture the final locations of the charts. |  | | Final locations of the left and right charts are recorded. | | | As expected. | | Pass | |  | |
| 5 | Verify the locations have swapped correctly. |  | | The final location of the left chart matches the initial location of the right chart, and vice versa. | | | As expected. | | Pass | |  | |

**Test Case ID: 005**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test correct login flow | | | | 1 | 005 | | | 5 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that after inserting a correct email and password, the main page of the website appears. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that entering a correct email and password logs the user into the main page of the website. | | | A signed-up email and its password. | | | A Windows 11 computer with internet connection, and a user that has signed up to the website. | | | | Ensure the user has the correct login credentials before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Open a web browser and navigate to Asana's login page. |  | | Asana's login page will display, and an input field to insert the email appears. | | |  | | Pass | |  | |
| 2 | Insert a signed-up email into the email input field. |  | | The email will appear in the input field. | | |  | | Pass | |  | |
| 3 | Click on the "Continue" button. |  | | The browser will move to the password page. | | |  | | Pass | |  | |
| 4 | Insert the password. |  | | The password will appear in the input field as black dots. | | |  | | Pass | |  | |
| 5 | Verify the main page URL. |  | | The browser will navigate to the main page of the website (URL: <https://app.asana.com/0/home/1207765960679158>). | | |  | | Pass | |  | |

**Test Case ID: 006**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test wrong password in login | | | | 1 | 006 | | | 6 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that when inserting a correct email and wrong password, the login page prevents entering the website. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that entering a correct email and wrong password does not allow the user to log in. | | | A signed-up email and a wrong password. | | | A Windows 11 computer with internet connection, and a user that has signed up to the website. | | | | Ensure the user has the correct login email and an incorrect password before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Open a web browser and navigate to Asana's login page. |  | | Asana's login page will display, and an input field to insert the email appears. | | | As expected. | | Pass | |  | |
| 2 | Insert a signed-up email into the email input field. |  | | The email will appear in the input field. | | | As expected. | | Pass | |  | |
| 3 | Click on the "Continue" button. |  | | The browser will move to the password page. | | | As expected. | | Pass | |  | |
| 4 | Insert a wrong password. |  | | The password will appear in the input field as black dots. | | | As expected. | | Pass | |  | |
| 5 | Verify the main page URL is **not** reached. |  | | The browser will not navigate to the main page of the website (URL: <https://app.asana.com/0/home/1207765960679158>). | | | As expected. | | Pass | |  | |

**Test Case ID: 007**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test wrong email in login | | | | 1 | 007 | | | 7 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that when inserting a wrong email, the login page prevents entering the website. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that entering a wrong email does not allow the user to proceed to the main page. | | | A wrong email. | | | A Windows 11 computer with internet connection, and a user attempting to log in to the website. | | | | Ensure the user has an incorrect email (can be unsigned up email) before starting the test. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Open a web browser and navigate to Asana's login page. |  | | Asana's login page will display, and an input field to insert the email appears. | | | As expected. | | Pass | |  | |
| 2 | Insert a wrong email into the email input field. |  | | The wrong email will appear in the input field. | | | As expected. | | Pass | |  | |
| 3 | Click on the "Continue" button. |  | | The browser will attempt to move to the password page. | | | As expected. | | Pass | |  | |
| 4 | Verify the main page URL is not reached. |  | | The browser will not navigate to the main page of the website (URL: <https://app.asana.com/0/home/1207765960679158>). | | | As expected. | | Pass | |  | |

**Test Case ID: 008**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test sent message title is visible | | | | 2 | 008 | | | 8 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that the title in the sent message is visible. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that the title of a sent message is visible in the message view. | | | A signed-up email. | | | A Windows 11 computer with internet connection, and a user logged into the website. | | | | Ensure the user has access to the message sending feature. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Open a web browser and navigate to the message sending feature. |  | | The message sending feature page is displayed with input fields for recipient email, subject, and content. | | | As expected. | | Pass | |  | |
| 2 | Add a recipient email. |  | | The recipient email appears in the input field. | | | As expected. | | Pass | |  | |
| 3 | Fill in the subject field with a random string. |  | | The subject appears in the input field. | | | As expected. | | Pass | |  | |
| 4 | Fill in the message content field with a random string. |  | | The message content appears in the input field. | | | As expected. | | Pass | |  | |
| 5 | Click on the "Send" button. |  | | The message is sent. | | | As expected. | | Pass | |  | |
| 6 | Click on the "View Message" link. |  | | The sent message is displayed. | | | As expected. | | Pass | |  | |
| 7 | Verify the title of the sent message is visible. |  | | The title of the sent message is visible in the message view. | | | As expected. | | Pass | |  | |

**Test Case ID: 009**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test sent message title is correct | | | | 2 | 009 | | | 9 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that the title of the sent message is identical to the title inserted by the user. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that the title of a sent message matches the title that was inserted when the message was sent. | | | A signed-up email. | | | A Windows 11 computer with internet connection, and a user logged into the website. | | | | Ensure the user has access to the message sending feature. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Add a recipient email. |  | | The recipient email appears in the input field. | | | As expected. | | Pass | |  | |
| 2 | Fill in the subject field with a random string. |  | | The subject appears in the input field. | | | As expected. | | Pass | |  | |
| 3 | Fill in the message content field with a random string. |  | | The message content appears in the input field. | | | As expected. | | Pass | |  | |
| 4 | Click on the "Send" button. |  | | The message is sent. | | | As expected. | | Pass | |  | |
| 5 | Click on the "View Message" link. |  | | The sent message is displayed. | | | As expected. | | Pass | |  | |
| 6 | Verify the title of the sent message matches the inserted title. |  | | The title of the sent message is identical to the title that was inserted when the message was sent. | | | As expected. | | Pass | |  | |

**Test Case ID: 010**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEST TITLE** | | | | **PRIORITY** | **TEST CASE ID** | | | **TEST NUMBER** | | | | **TEST DATE** |
| Test blank project button | | | | 1 | TEST010 | | | 10 | | | | 24/07/2024 |
| **TEST DESCRIPTION** | | | | | **TEST DESIGNED BY** | | | **TEST EXECUTED BY** | | | | **EXECUTION DATE** |
| Verifying that the "blank project" button works when creating a new project by asserting that the current URL is the expected URL after pressing the button. | | | | | Shibel Alshech | | | Shibel Alshech | | | | 24/07/2024 |
|  | | | | | | | | | | | | |
| **TEST PURPOSE** | | | **DATA REQUIRED** | | | **PRE-CONDITIONS** | | | | **ADDITIONAL NOTES** | | |
| To ensure that clicking the "blank project" button navigates the user to the correct URL for creating a new blank project. | | | None. | | | A Windows 11 computer with internet connection, and a user logged into the website. | | | | Ensure the user has access to the project creation feature. | | |
|  | | | | | | | | | | | | |
| **STEP ID** | **STEP DESCRIPTION** | **SCREENSHOT** | | **EXPECTED RESULTS** | | | **ACTUAL RESULTS** | | **PASS / FAIL** | | **ADDITIONAL NOTES** | |
| 1 | Click on the "Blank Project" button. |  | | The browser navigates to the URL for creating a new blank project (URL: <https://app.asana.com/0/projects/new/blank>). | | | As expected. | | Pass | |  | |
| 2 | Verify the current URL is the expected URL. |  | | The current URL matches the expected URL: <https://app.asana.com/0/projects/new/blank>. | | | As expected. | | Pass | |  | |