System Verification Plan Trello Web App CRUD Operations

Version 1.0 draft

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| --- | --- | --- | --- |
| **Action** | **Name** | **Function** | **Signature** |
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| Reviewer and approver | Jane Doe | QA Manager |  |

1. Introduction
   1. Purpose

This system verification plan is for Trello web-app. The system verification is intended to serve as evidence that the Trello web-app meets the predefined requirements.

* 1. Responsibilities

The table below shows the resources and responsibilities related to the verification of Trello web-app.

|  |  |  |
| --- | --- | --- |
| **Role** | **Name** | **Responsibilities** |
| Test manager |  | Define test plan (this document)  Monitor entry/exit criteria  Test reporting |
| Test Engineer | Jane Doe | Test design  Test cases  Test execution  Test results logging |
| Unit / Module Test engineer | Development team | Create Module/Unit Verification Specification  Create Module/Unit Verification Report  Create test cases/test scripts  Test execution  Test results logging  Measure function/decision coverage |

1. Test scope

The scope of this test plan is the CRUD operations of the Trello web app. The software requirements of the CRUD operations are going to be tested.

* 1. Functionality

In scope of this plan is the CRUD operations in following parts of the Trello web app;

* Card feature
* Board feature
* List feature
  1. Out of scope

Out of the scope of this test plan, are all the functionalities of the Trello web app other than the CRUD operations.

1. Verification Process

This chapter describes the verification process for this test plan.

* 1. Test cases

Test cases can be manual or automated. Test cases and acceptability criteria are defined prior to the execution of the test. A test case consists of the following:

* Reference to feature tested
* Test environment
* One or more test steps containing:
  + Action to be taken
  + Acceptance criteria (or expected results)
  1. Test execution

A subset of system-level test cases will be manually executed during the test execution for the Trello web app.

Test executions will be reported in a test report. Test results consist of:

* Date of test execution
* Name of the tester
* Test outcome: PASS, FAIL, TO DO (not executed)
* Objective evidence that the test passed such as screenshots or logs (when applicable)
* In case of failure, link to corresponding bug
* The device used for testing

The test cases that will be run on the system are listed in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Feature** | **#** | **Scenario** | **Test Type** |
| Login | ST-1 | User can login the Trello web app | UI |
| ST-2 | User cannot login the Trello web app with wrong password | UI |
| ST-3 | User cannot login the Trello web app with invalid email address | UI |
| Board | ST-4 | User can create boards | API, UI |
| ST-5 | User cannot create boards without logging in | API, UI |
| ST-20 | User cannot create boards if the maximum board number is reached | API, UI |
| ST-6 | User can display a board | API, UI |
| ST-7 | User can change the board name | API, UI |
| ST-8 | User can close a board | UI |
| ST-9 | User can delete a board | API, UI |
| Card | ST-10 | User can create cards | API, UI |
| ST-22 | User cannot create cards without selecting a list | API |
| ST-11 | User can edit card title | API, UI |
| ST-12 | User can add a label to a card | API, UI |
| ST-13 | User can display a card | API, UI |
| ST-14 | User can delete a card | API, UI |
| ST-15 | User can archive a card | UI |
| List | ST-16 | User can create lists | API, UI |
| ST-17 | User cannot create lists without a title | API, UI |
| ST-21 | User can display a list | API, UI |
| ST-18 | User can change the list title | API, UI |
| ST-19 | User can archive a list | API, UI |

* 1. Problem reports

The problems that were discovered during the testing are going to be listed in the bugs section of the test report document.

1. Test environment and test tools
   1. Test environment

Trello has identified production environment. The purpose and scope of this environment is Production-level deployment. Subject to Trello’s operating procedures. The environment is generally Available (GA) for Trello customers.

* 1. Test tools

The following tools will be used during the system verification tests;

|  |  |  |
| --- | --- | --- |
| **Tool** | **Version** | **Purpose** |
| Postman | 10.0.1 | API Testing tool |
| Selenium | ? | Automated testing tool |

* 1. Test devices

System level tests are executed on one of the following devices.

|  |  |  |  |
| --- | --- | --- | --- |
| **OS** | **Manufacturer** | **Model** | **Version** |
| macOS | Apple | MacBook Pro (13-inch, M1, 2020) | macOS Monterey 12.6 (21G115) |

* 1. Test browsers

|  |  |  |
| --- | --- | --- |
| **Browser** | **Manufacturer** | **Version** |
| chrome | Google | Version 105.0.5195.52 |

* 1. Test report

Summary reports of all executed tests will be made with overall test results and conclusions.

1. Definitions & References
   1. Definitions

Definitions used in this document:

|  |  |
| --- | --- |
| **Concept** | **Description** |
| Verification | Check that the requirements are correctly implemented in the design of the product |

* 1. Document history

|  |  |  |  |
| --- | --- | --- | --- |
| **Rev** | **Date** | **Author** | **Description** |
| 1.0 | 09/10/2022 | Seyma Firat | Initial version |