Test Plan

Version:1.0

Created by: Mohamed Clio

Created: 22/04/2021

Last Updated: 22/04/2021

Status: DRAFT

CONTENTS:

1.INTRODUCTION:
1.1.Overview:

Trello is a visual tool for organizing your work and life.

Users can create their task boards with different columns and move the tasks between them.

Typically columns include task statuses such as To Do, In Progress, Done. The tool can be used for personal and business purposes including real estate management, software project management, school bulletin boards, lesson planning, accounting, web design, gaming, and law office case management.

1.2.Purpose of the this test plan:

This test plan describes the testing approach and overall framework that will drive the testing of Trello Version 2021.5.15477-production

The document introduces:

● Test Strategy: rules the test will be based on, including the givens of the project (e.g.: start / end dates, objectives, assumptions); description of the process to set up a valid test (e.g.: entry / exit criteria, creation of test cases, specific tasks to perform, scheduling, data strategy).

● Execution Strategy: describes how the test will be performed and process to identify and report defects, and to fix and implement fixes.

● Test Management: process to handle the logistics of the test and all the events that come up during execution (e.g.: communications, escalation procedures, risk and mitigation, team roster).

1.3.Audiences:

● Project team members perform tasks specified in this document, and provide input and recommendations on this document.
● Project Manager Plans for the testing activities in the overall project schedule, reviews the document, tracks the performance of the test according to the task herein specified, approves the document and is accountable for the results.
● The stakeholders' representatives and participants (individuals as identified by the PMO Leads) may take part in the UAT test to ensure the business is aligned with the results of the test.
● The Technical Team ensures that the test plan and deliverables are in line with the design, provides the environment for testing and follows the procedures related to the fixes of defects.

- Business analysts will provide their inputs on functional changes.

2.Refrences:

[Android APK](#)

3.Test devices:

- Android device (oneplus 7T Pro running android-version 11).
- Android emulator (Macbook Pro with M1 ARM chip processor).
- Mobile browser (Google Chrome).

4.Items that can be tested:

- Sign-up flow.
- Log-in flow.
- Start-up Tutorial.
- Adding a new Card.
- Adding a new Board.
- Join a workspace.
- Toggle notifications.
- Delete Account.
- Log-out.
- Multiple accounts sign-in.
- Adding cards offline.
- Help.
- Create card visibility.

5.Risks and business impact:

RISK	PROBLEM	IMPACT	MITIGATION PLAN
Unable to save cards offline: one of the selling points of the app.	High	Medium	Cache them into phone memory till next connection data connection is available to sync.
Non-availability in any of the test env. Tools or items	Medium	High	Making sure that all test Items are available before starting to test and find out if any alternatives will work just as good.

Test schedule is tight that it may exceed the sprint time for the release.	High	High	Focus the testing on the most important stories first and investigate the option clearly if continuing testing the rest of the stories or moving them to the next sprint.
Delayed Testing Due to new Issues: Some new defects appear during testing due to unclear specification. Some of these defects may need time to be resolved, and others show stoppers which have great impact on the overall project schedule.	Medium	High	Regular Communication between developer and tester. And provide developers with the test cases that the tester focuses on (Being Agile)

6.Features to be Tested:

1.Sign-up flow:

- Normal flow (Happy scenario).
- Signup with wrong mail address.

Priority: High, main part of the app that has the biggest functionality if the user is not already registered.

2.Login flow:

- Login with a previously registered email address.
- Login with a new email address.

Priority: High, as this is also another big part of the main functionality of the application.

3.Hamburger menu:

Smoke test each item inside it to make sure that the app is working as expected.

Priority: High, as this is the main navigation inside the application.

4.Logout:

Priority: Medium, The user can always clear the storage on his phone and try to login again.

5.Change language:

Priority: Medium, as the app should set it's localization based on the phone's language and the user may never want to change it.

6.UX/UI (Overall app design, reachability):

Priority: Medium, as it doesn't concern the main functionality and can be easily improved using CR but still part of the business is the app looking simple and easy to use.

7.Opening notification settings from the settings menu instead of the bell button:

Priority: Low, As the bell button is more visible and easier to access.

8.Zoom in & Out:

Priority: Low, as I can see the contents anyway and still can enter any card I want.

9.Power ups:

Priority: Low, as it shows one of the features of the app.

7.Priority table:

HIGH	MEDIUM	LOW
Sign-up flow	Logout	Opening notification settings from app settings
Login flow	Changing language	Zoom in & Out
Hamburger menu	UI/UX	Using Power ups

8.Features not to be Tested:

- Premium Trello workspace account (adding more than 10 boards).
- Any Payment methods

6

9.Approach

In testing we will use Black box, as we don't have access to the code of the website. So white box cannot be used.

An integration between Negative and positive testing will be used. To make sure that everything is perfectly working.

Functional testing:

Unit Testing: will test each function separately

Integration Testing: will test the integration between the functions such as Register and Login. Make sure that the information reflects correctly.

System Testing:

Test that the system is working. The navigation between screens, the functions and each other.

Acceptance Testing:

Test the user acceptance as we are the user will test our acceptance for the application.

Performance testing:

Not recommended for this application.

10.Entry Criteria

List all criteria that must be met in order for test execution to begin. Possible items to list include:

- Test plan approved
- Test environment stable and ready
- Test cases written and approved
- Test tools ready
- Previous test phase's exit criteria met
- Test resources available

11.Exit Criteria:

List all criteria that must be met in order for this test phase to be considered complete. Possible items for inclusion are:

- Test case completion
- Number and severity of open defects
- Passing of test objectives

Acceptance test team responsibility:

- Evidence for Test execution
- Detailed Reports of completeness for the test phases
- Test Summary Report has been made, revised, and approved.

Support team responsibility:

- The Software deliverables must be packaged and available

The probable impacts of not meeting the exit criteria must be clear and it can include:

- A rejection of deliverables which could lead to error in schedule.

12.Suspension Criteria and Resumption Requirements:

the aim of testing work to make sure that all the functional activities are working in a proper way, so in case there are some functions that are not working properly, the test phase must not be continue to the next level such as: -

1. Sanity check is failed:
It is a test to assess either the result of a specific calculation or a claim could be true .It is like a smoke test as both of them aim to make sure that whether is reasonable and possible to continue in testing or not.

2. If the application under test(AUT) becomes inaccessible, in this case testing will stop.

3. In case the smoke test fails.

4. If the interdependent modules are not working well together.

5. if the number of the kind of the defects reaches a point where all the following testing will have no value, it will be wasting testing resources, so you have to stop testing.

6. If some test cases suspended, since their prerequisites tests have been failed, for instance if there are a huge of number of web page navigational fail, this will lead the usability testing will be suspended

7. when it comes to the financial statement.

Resumption Criteria:

Testing will be performed again to ascertain that the bug has been fixed and the selected tests give the expected results. Only then will the testing will start again.

13.Test Deliverables:

Test deliverables are provided before the testing phase.

- Test plans document.
- Test cases documents (is a set of conditions or variables under which a
- tester will determine whether a system under test satisfies requirements or works correctly).
- Test Design specifications. (It contains the information and parameters, which are needed to effectively, perform the checking procedure.)

Test deliverables are provided during the testing:

- Test Scripts (mean a line-by-line description of all the actions and data

needed to perform a test).

- Test Data (Test data may be produced by the tester, or by a program or

function that aids the tester. Test data may be recorded for re-use, or used

once and then forgotten.).

- Error logs and execution logs. (The execution log or test log is a log

available after test failure in the test view or as part of the failure data) Test deliverables are provided after the testing cycle is over.

- Test Results/reports.
- Defect Report (to state the problem as clearly as possible so that

developers can replicate the defect easily and fix it) o Installation/ Test procedures guidelines.

- Release notes.

14.Remaining Test Tasks:

According to the schedule there is no test task that has been applied until now.

15.Approvals

Signature:	
Name:	
Rule:	
Date	

Signature:	
Name:	
Rule:	
Date	

Signature:	
Name:	
Rule:	
Date	