\<Pocket Stock>

Software Test Plan

CSCI-P465/565 (Software Engineering I)

<u>Project Team</u>

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1. Overview

We will use manual testing to test the product. Since the website does not have a lot of functionalities therefore manual testing is a better choice to execute testing rather than creating automated scripts.

The aim of test cases will be to test each possible functionality offered by the website. The main goal of the tester will be to execute test cases with a mindset of finding bugs in the code and incorrect functionalities. The tester will directly interact with the client to gather requirements and will write test cases according to those requirements (Note: The tester would not gather requirements from development team of that round or functionality, the idea being that it is difficult to find bugs in your own code.)

The developer will run one round of high level testing just to make sure there is no obvious blocker in the code. The testing will then be executed by a team member who did not develop that functionality.

1.1 Test Objectives

The Test objectives are as follows:

- Check if user registration is working properly.
- Check if email login is working.
- Check if facebook login is working.
- Check if google+ login is working.
- Check if logout is working.
- Check if UI looks fine.
- Check if Duo Login Works.
- Check if password reset is working properly.
- Check if user dashboard is working properly.
- Check if user lands on their own dashboard and not one someone elses dashboard.
- Check if user is able to sell and buy stocks.
- Check if the database retains the stock information of user.
- Check if UI of dashboard is working fine.

1.2 Test Environment

The testing will occur on various browsers (multi browser testing). The testing will be conducted on all the available versions of IE, Mozilla, Safari, Chrome. Also the testing will be conducted on mobile devices and desktop devices.

1.3 Test Personnel

Angad will be executing testing for this sprint. All bugs will be reported and tracked on JIRA. Testing will be carried out according to customer needs in mind.

1.4 Acceptance Criteria

As per industry standards, we agreed upon a 5% test case failure rate. If more than 5% of the test cases fail in one execution cycle the product will be marked low quality and will not be delivered.

The 5% rule will be applicable on each regression. Once the tester has done one cycle of testing, the issues will be logged on JIRA and it will be Testers responsibility to track the bugs and start the next cycle of testing.

2. Test Cases

Number	Name	Description	Initial Conditions	Input Data	Specifications	Procedure
1	Home Page Load	Type the website URL in address bar and check if the homepage of Pocket Stock Loads.	NA	NA	NA	NA
2	Email Login	This test case will check the email id login by entering incorrect and correct user id and password.	NA	(Incorrect ID, Incorrect Password) (Incorrect ID, Correct Password) (Correct ID, Incorrect Password) (Correct ID, Correct Password)	NA	NA
3	Facebook Login	Test case will check if after clicking the Facebook login button, if page is redirected to Facebook login or not. After Facebook login is successful, check case 6	NA	Incorrect Facebook Login Details Correct Facebook Login Details	NA	NA
4	Logout	Test Case will logout the users account from pocket stock.	User should be logged in. Test Case 2,3 have to be	NA	NA	NA

			executed before this test case.			
5	Duo Authentication	Check if Duo application on mobile receives a push every time a user logs into their Pocket Stock Account	User should successfully pass either 2,3 Test Case.	NA	NA	NA
6	Final Login	Check if Access to Pocket Stock Account is given once, user accepts the Duo App push.	User should successfully pass 2,3,5	NA	NA	NA
7	Inactivity Time Out	Leave the logged in account inactive for 5 mins and check if automatic logout takes place. Also see if a session timeout message is displayed.	User should already be logged into pocket stock	NA	NA	NA
8	Dashboard	Check if after login the user lands on their personalized dashboard.	User should be able to Login properly.	User ID , User Password	NA	NA
9	Stock Information	Check if Dashboard displays all stocks of the user.	User should have a transaction history with the website.	Stock transaction history.	NA	NA

10	Transaction History	Check if the dashboard displays the accurate transaction purchase date and purchase value of each stock.	User should be able to see all possessed stocks.	Stock history and transaction history.	NA	NA
11	Gain Value	Check if user is able to view all gain or loss on every stock according to the current value of the stock	User should have some Stock history	User should be logged in .	NA	NA
12	Click Expansion	Check if the stocks expand to another modular window on clicking on them	User should have stocks added in the dashboard	User should be logged in	NA	NA
13	Log out in another window	Try opening to different tabs for dashboard and logout on one tab.\n\nUser should be automatically logged out from other tab	User should have a user account	NA	NA	NA
14	Try doing transactions	Try Buy or Sell of stocks and see if values are recorded in database	NA	NA	NA	NA
15	Try buying a stock that is not available	User should not be bale to buy such stock	NA	NA	NA	
16	Sell Entire Stock	Try selling the entire holding of stock and see if stock still appears in dashboard.	Stock should initially be present	NA	NA	NA

17	Sell/purchase multiple stocks at once	Sell or purchase multiple stocks in one session and see if it works properly.	NA	NA	NA	NA
18	Iterative sale and purchase	Sell and buy same quantity of stock one after the other. And see if gain and loss values change	NA	NA	NA	NA

Revision History

Revision	Date	
Sprint 1	10/01/2017	
Sprint 2	10/15/2017	