

TEST PLAN

1. Introduction

This document is intended to give the strategy for conducting tests on the web application Budding Share Market Investor. The website is composed of many features. This test plan is designed to ensure all features work as expected.

1.1 Objectives

Budding Share Market Investor is a website where users can test their skills in the share market. The main purpose is to allow users to buy and sell shares and see how much money they can make.

This document supports the following objectives

- Identify approach that should be taken
- Identify features that should be tested
- List the recommended test requirements
- Identify testing strategies that should be employed
- List the deliverable elements of the test activities

Team Members

Resource Name	Role
Vio Marcu	Project Manager
Lucas Brook	Team Leader
Ocal Ogten	Developer/Tester
Carlo R Beasley	Developer/Tester
Evan Le Clercq	Developer/Tester

2. Scope

Testing will begin with unit testing. Then it will work towards integration testing and functional testing. The testing will validate major system functions of the Budding Share Market Investor website. As the website has a set features which a detrimental to its success we have prioritised the testing to be conducted.

Unit Testing	Testing that validates a single unit of code
Beta Testing	A final test to confirm everything is functioning
Smoke Test	To demonstrate the basic functionality of the system exists
Integration Testing	Testing the behaviour of website
Functionality Testing	Test for – all the links in web pages, database connection, forms used for submitting or getting information from user in the web pages
Usability Testing	Usability testing is a way to see how easy to use by testing it with real

	users and conducting a survey
Compatibility Testing	Check compatibility between different browsers and devices
Performance Testing	Load testing the website and stress testing

3. Test Items

Functionality Testing
Login
Logout
Register
Profile Management
Testing Admin
Password Link
Shares Buy and Sell
Balance Update
Test Transactions History
Test Leaderboard
Test Delete Account
Test Clear Watchlist

Main Pages
Test Home page
Test Login page
Test Logout
Test Registration page
Test Settings page
Test Dashboard Link
Test Transactions
Test History
Test Clevo Logo Link
Test Profile Page
Test About Us
Test Terms of Use
Test Privacy
Test Sitemap- links associated with it
Test Getting Started Link

Browser Compatibility Test
Internet Explorer 11
Internet Explorer 10
Chrome 38
Chrome 39
Firefox 34
Firefox 35

Safari 7
Safari 8
Internet Explorer 6

Test functionality on following devices
Windows laptop
Apple MacBook
Apple iPad
Android Phone
Android tablet
iPhone
Windows Phone

Proof Reading Tests
Proof read main pages
Proof read company names

Performance Tests
Load/StressTest Homepage
Stress/Load Test Login
Stress/Load Test Registration
Stress/Load Test Transactions

Accessibility Tests
Test website against WCAG 2.0 guidelines
Browse website with screen reader or text editor
Browse website without a mouse

Cookie Auditing
Carry out cookie audit

SEO Tests
Structure of URL's
Unique title tags for each page
Meta description for each page
Is User Experience seamless

4. Test Deliverables

- Test Plan
- Testing Register document
- Lean Testing Bug reporting
- Unit Test Code

- Tests results Summary (Excel & Lean Testing)

5. Technical Specifications

The following elements are needed to support the overall testing of the Budding Share Market Investor:

- Access to website
- Access to database
- Access to tools needed for testing
- Access to project