

TEST PLAN

Project Name: Investagrams Web Application

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Overview

This is my capstone project showing all of my learnings for the past 3 months in the Village88 training bootcamp. I chose this Web application because it has good UI/UX and easy to navigate features when you are a first time user. I am also an active user of this website and I love the added features that the development team have made for the past years since I became a member.

As for the company, Investa is a start-up whose mission is to enable more than 10 million Filipinos in their investing journey with the right tools, education, and technology

This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

Scope

The scope of the project includes testing the following features of '<https://www.investagrams.com/>' web application.

Inclusions

- Registration
- Sign in
- Log out
- Dark/Light Mode
- Search
- Notification
- Shop
- InvestaWallet
- Top Up
- Referrals

The tester believe above modules need to be Tested.

Test Environments

- Windows 10 – Chrome and Firefox

Exclusions

- All the features except that are mentioned under 'Inclusions'
- Any third-party features or Payment gateways
- Blocked test cases
- Test Automation (Backend, Mobile)
- Test API
- Website Security and Performance

Test Strategy

As part of Functional Testing, tester will follow the below approach for Testing:

Step 1 – Creation of Test Scenarios and Test Cases for the different features in scope.

- Tester will apply several Test Designing techniques while creating Test Cases
 - Equivalence Class Partition (Value Check)
 - Boundary Value Analysis (Range Check)
 - Decision Table Testing
 - State Transition
- Tester will also use his/her expertise in creating Test Cases by applying the below:
 - Positive and Negative Testing
 - Exploratory Testing
- Tester will prioritise the Test Cases

Step 2 – The testing process are as follow:

- Firstly, the tester will explore the web application with an allotted time of 2 hours for Exploratory Testing. This will give a more accurate quality report in terms of the coverage area for testing.
- The tester will then prioritize Smoke Testing to check whether the different and important functionalities of the application are working.
- When Smoke Testing is approved, we perform in depth testing using the Test Cases created.
- Multiple Test Resources will be testing the same Application on Multiple Supported Environments simultaneously.
- The tester then report the bugs by making a bug report.
- As part of the Testing, the tester will perform the below types of Testing:
 - Smoke Testing and Sanity Testing
 - Regression Testing and Retesting
 - Usability Testing, UI Testing and Accessibility Testing

Step 3 – The tester will follow the below best practices:

- Context Driven Testing – Tester will be performing Testing as per the context of the given application.
- Exploratory Testing – Tester will perform Exploratory Testing, apart from the normal execution of the Test cases.

Problem Tracking and Test Tracking Procedures

Defect Reporting Procedure:

During the test execution –

- Any usability issues will also be reported.
- After discovery of a defect, it will be retested to verify reproducibility of the defect.
Screenshots with steps to reproduce are documented.

Note:

- Defects will be documented in a pdf document.
- Test scenarios and Test cases will be documented in an excel document.

Roles/Responsibilities

Role	Responsibilities
QA Tester	<ul style="list-style-type: none">✓ Interact with the application✓ Develop test plan, test conditions, test cases, etc.✓ Appropriate use of proper test techniques/tools✓ Execute the test cases in different test environment✓ Report defects

Test Schedule

Following is the test schedule planned for the project –

Task	Time Duration
▪ Creating Test Plan	Apr 17 th , 2023 to Apr 18 th , 2023
▪ Test Case Creation	Apr 18 th , 2023 to Apr 20 th , 2023
▪ Develop Automated Test	Apr 21 th , 2023 to Apr 22 th , 2023
▪ Test Case Execution	Apr 21 th , 2023 to Apr 22 th , 2023
▪ Summary Reports Submission	Apr 23 th , 2023

Test Deliverables

The following are to be delivered:

Deliverables	Description
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule
Functional Test Cases	Test Cases created for the scope defined
Test Data	Data execution using Selenium IDE
Bug Report	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.
Quality Report	Quality Reports – Bugs by Bug Test Case ID, Bugs by Module and Bugs by Severity

Entry and Exit Criteria

The below are the entry and exit criteria on the different testing process the tester will follow:

Test Planning

Entry Criteria:

- Doubts are cleared
- Test environments and the test tools are available

Exit Criteria:

- Test Plan document (includes Test Strategy) is approved

Test Execution

Entry Criteria:

- Test Scenarios and Test Cases Documents are approved
- Application is ready for Testing

Exit Criteria:

- Test Case Report and Bug Report are ready

Test Closure

Entry Criteria:

- Test Case Report and Defect Report are ready

Exit Criteria:

- Test Summary Reports

Suspension and Resumption Criteria

If smoke testing fails, tester will not proceed with the testing since it is not functional. Doubts and questions should be clarified to the client before continuing.

Tools

The following are the list of Tools we will be using in this Project:

- Mind map Tool
- Word and Excel documents
- Selenium IDE (Browser add on)

Risks and Mitigations

The following are the list of risks possible and the ways to mitigate them:

Risk	Mitigation
Non-availability of a Resource	Backup resource planning
Build URL is not working	Resources will work on other tasks
Less time for testing	Set test priority for each of the test
Unexpected addition of project scope	Set scope priority and give appropriate time for project completion