TSET PLAN

Project Name - Casioclone

CASIO

Prepared By: Satyajit Sahu

Date: 17/12/2024

Introduction

The aim of this document is to give an overview of the testing approach, strategies, and scope for the Casioclone application. This document includes details like the scope of the project, objectives, test schedule and resource allocations, test deliverables, and reports.

AUT: https://casioclone.netlify.app/

Objective

➢ To ensure the functionalities of key features such as login, register, logout, product, add to cart, buy now, and account management.

➢ To confirm Performance and Usability of the application are as per client requirements.

Scope

This test plan covers only functional testing, Performance testing, and Usability testing of the Casinoclone application as per the client's requirements.

Testable Features

➢ Register
➢ Login
➢ Forgot Password
➢ Search
➢ Watches
➢ Electronic Manual Instruments
➢ Calculator
➢ Label Printers and Others
➢ Social Media Links
➢ Wishlist
➢ Add to cart
➢ Buy now
➢ Account Information

Testing Approach

- ➤ Testing Types
- • Functionality Testing
- • Performance Testing
- • Usability Testing

- ➤ Testing Methodologies
- • Black-box Testing
- • Regression Testing
- • Integration Testing
- • User Acceptance Testing

- ➤ Operating System
- • Windows 10

- ➤ Browser: Chrome and Microsoft Edge
- ➤ Testing Tools: Jira and Zephyr

Roles and Responsibility

Name	Role	Responsibilities
Satyajit Sahu	Test Engineer	✓ Understand customer requirements. ✓ Write Test scenarios &Test cases. ✓ Executing the Test cases. ✓ Performing root cause analysis to identify underlying issues. ✓ Defect tracking and reporting.

Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan Creation	17/12/2024
Test Scenario and Test Case Creation	18/12/2024
Test Case Execution	19/12/2024
Bug Report Creation	20/12/2024
Summary Report Submission	21/12/2024

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the Casioclone application.	Masai	17/12/2024
Test Case	Test Cases were created for both functional testing, performance testing, and usability testing.	Masai	18/12/2024
Defect Reports	A detailed description of the defects identified in different versions of the application.	Masai	21/12/2024

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

Requirement Analysis

➢ **Entry Criteria**: Once the testing team receives the Requirements documents and use documents of the project. Includes what functions needs to be tested and how the software should behave.

➢ **Exit Criteria**: The testing team should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

Test Planning

➢ **Entry Criteria**: Testable Requirements derived from the given Requirements documents. Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

➢ **Exit Criteria**: Test Plan is signed-off by the Client (CASIO)

Test Designing

➢ **Entry Criteria**: The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client.

➢ **Exit Criteria**: Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Client.

Test Execution

➢ **Entry Criteria**: Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. Application is ready for further Testing.

➢ **Exit Criteria**: Test Case Reports, and Defect Reports are ready.

Test Closure

➢ **Entry Criteria**: Test Case Reports, and Defect Reports are ready.

➢ **Exit Criteria**: Test Summary Reports, it overview of the entire testing process.

Tools

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

- X mind map Tool
- Jira - Project management tool
- Zephyr- Test Management

Risk and Mitigation plans

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

Risk	Mitigation Plan
No detailed Requirements available.	Subject matter experts available for deep understanding of functionalities.

Approvals

Masai will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports

Testing will only continue to the next steps once these approvals are done.