Test Plan

Last updated 18/10/21

Introduction

This test plan has been prepared to define the scope, approach and schedule of testing activities for the HOT CHEETOS CRM project.

It aims to ensure that all features and functionalities of the project are working as they are required in the environment of the user.

Testing has been constrained by time limitations and scale of the project, hence is not exhaustive and also will primarily be conducted manually.

Scope

In Scope
- Login to CRM
- Search CRM for client
- Filter clients on CRM
- Create client
- Edit client information
- Change client status
- Change client progress
- Edit user information
- Edit last contact
- Edit next meeting
- Read notifications
- Edit password
- Logout

Out of Scope
- Website performance
- Hardware requirements
- Deleting contacts
- Creating new users
- Communication systems
- Encryption testing

Test Methodology

Test Levels

- Unit testing
- Integration testing
- System testing
- Acceptance testing (from Acceptance Criteria)

Test Types

- Functional testing
- Confirmation testing
- Usability testing

Test Methods

- Manual testing
- Ad hoc testing
- White box testing
- Black box testing

Item Pass/Fail Criteria

- Pass only if the test was executed and produced expected outcome
- Fail otherwise

Suspension Criteria and Resumption Requirements

- Suspend testing if fail rate is 50%
- Defect report must be written and worked on
- Pass rate must be 80% to resume testing

Test Deliverables

Test Cases

See https://github.com/zakarya23/it_project/tree/main/tests/test-cases

Defect Reports

See https://github.com/zakarya23/it_project/tree/main/tests/defect-reports

Test Reports

See https://github.com/zakarya23/it_project/tree/main/tests/test-reports

Test Environment

Properties

Hardware
Computer running 64-bit operating system (Windows 7 or later, or MacOS 10.15), 2GB RAM, CPU 3.4GHZ.

Software
Browser - Google Chrome, Internet Explorer, Firefox or Microsoft Edge, IDE of choice that can run MERN project.

Network
Internet.

Tools

Bug Triage
On Kanban board: https://trello.com/b/e7Yw14Lg/hot-cheetos-kanban-board

Responsibilities

Role	Responsibility
Test Manager (Tiana)	Ensure test plan is up to date. Ensure test cases are written and up to date. Formulate and edit test schedule as required. Track bug triage and assign where needed.
QA Analyst (Rebecca)	Run test cases and fill out test reports as needed. Update Acceptance Tests. Create defect reports for tests if failed.
Developer (Nicholas, Zakarya, Terry)	Create bugs for triage when found. Amend bugs and issues found in defect reports or test cases.

Schedule

Task	Due date	Assignee
Ad-hoc unit testing	Throughout project	All
Integration testing	Throughout project	All
Confirmation testing	Throughout project	All
Acceptance Test cases US 1 - 3	13/10/21	Tiana
Acceptance Test cases US 4 - 6	13/10/21	Rebecca
Usability Test cases (1st user)	14/10/21	Tiana
Usability Test cases (2nd user)	15/10/21	Zakarya
Acceptance Test cases US 7, 9, 10	19/10/21	Tiana
Acceptance Test cases US 12, 14 - 16	19/10/21	Rebecca