

# Test Plan

**Last updated 30/09/21**

## 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
- Regression 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%
- Pass rate must be 80% to resume testing

# Test Deliverables

## Test Cases

See [https://github.com/zakarya23/it\\_project/tree/main/tests/test-cases](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](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](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	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	Run test cases and fill out test reports as needed. Create defect reports for tests if failed.
Developer	Create bugs for triage when found. Amend bugs and issues found in defect reports or test cases.

## Schedule

Task	Due date	Assignee
Test cases 1 - 5	10/10/21	
Test cases 5 - 10	10/10/21	
Test cases 10 - 15	13/10/21	
Test cases 15 - 20	13/10/21	