

# OPEN REAL

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# ESTATE

## *TEST PLAN*

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# 1. Introduction

## 1.1. General information

The purpose of this Test Plan is that of describing the scope, approach, and resources of the testing activities of the project Open Real Estate web application. It is meant to be used as a manual during testing works.

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing and the resources needed for the testing plan.

## 1.2. Purpose

The objective of the testing activities is to check functions and features of the software product developed for web browsers. The objectives for the Open Real Estate Project can be described as follows:

- Identify existing project information and software components to be tested.
- Recommendation and description of the testing strategies to be employed.
- Identify required resources and provide a test effort estimate

The results of test execution will be sent to the customer as reports. All found bugs will be tracked using the an Excel Spreadsheet.

# 2. Scope of project

## 2.1. Scope of testing

Testing of the Open Real Estate web application is in the scope of this test plan. The following components and functions will be tested:

1. Registration
2. Login
3. My listings

#### 4. My data

## 2.2 Features to be tested

The features to be tested in the web application as per the software requirements are as below:

Module Name	Role	Description
Create a new user	User	The user can have the ability to Sign Up. A user can his account only.
Login	User	The user can have the ability to Sign In. The user can access his account only.
My listings	User	The user can list properties. The user can edit already published listings. The user can delete an already published listing
My data	User	The user can edit his account details. The user can upload a picture for his profile.

## 3. Work plan

The parties agreed to follow the next work plan:

1. Test plan preparation
2. Test plan approval
3. Functional testing and bugs reporting
4. Final report preparation

## 4. Test Plan and Strategy

### 4.1. Functional testing

The objective of functional testing is to make sure that the whole software product works according to the requirements, and no significant errors appear in the application. Different aspects of the system will be checked, to ensure that the software product will pass all the planned tests.

### 4.2. Test Procedure

The project testing will be conducted by the Testing Team and Developers Team following the Agile model.

The tester will start the test execution when all the following inputs are ready

- Software is available for testing
- Test cases and test scenarios are ready
- Test Environment is built

Test procedure assumes the next points:

- Reporting of found software bugs.

Various aspects of the tested software should be checked; this requires executing of different testing types.

The main testing types that would be executed:

- Functional Testing
- UI Testing
- Usability Testing

## 4. TEST CRITERIA

### 4.1 Suspension criteria

- If the test team report that there are <**50%** of test cases **failed**, alert PM to suspend testing until the development team fixes all the failed cases.
- If the test team report that there are <**40%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.
- Failed to conduct current phase required testing, require management meeting to gather human resource for testing support.

### 4.2 Exit Criteria

Sprint exit criteria Specifies the criteria that denote a successful completion of a test phase:

- Run rate is mandatory to be 100% unless\* a clear reason is given.
- Pass rate is ~80%, achieving the pass rate is mandatory.
- Coverage rate is 100%, achieving the pass rate is mandatory.

Project exit criteria as described in the SDP document, following the schedule of sprints deadlines and requirements as needed to give confidence in the project functionality and stability.

## 5. RESOURCES

### 5.1. System resources

Nr.	Resources	Description
	Workstation	The user can have the ability to Sign Up. A user can his account only.
	Network	The user can have the ability to Sign In. The user can access his account only.
	Test Management Tool	The user can list properties. The user can edit already published listings. The user can delete an already published listing
		The user can edit his account details. The user can upload a picture for his profile.

### 5.2 Human Resources

Nr.	Position	Description
	Test Manager	Manages the whole project. Acquire the needed resources.
	Tester	Execute the tests, Log results, Report the defects. Take in charge of quality assurance. Check to confirm whether the testing process is meeting specified requirements.