

# Test Strategy Document

**USED.CA\_001**

## Test Strategy

### Revision History

Date	Version	Author	Description
6 <sup>th</sup> April 2019	V1	Sara	High level Test Strategy Document

## Contents

<b>Test Strategy Document</b> .....	<b>1</b>
<b>1. Scope and Overview</b> .....	<b>3</b>
<b>2. Test Approach</b> .....	<b>3</b>
<b>2.1 Stages in Testing</b> .....	<b>3</b>
<b>2.2 Roles and responsibilities of each team member</b> .....	<b>5</b>
<b>2.3 Testing Types</b> .....	<b>5</b>
<b>2.4 Defects</b> .....	<b>5</b>
<b>2.5 Test Sign off</b> .....	<b>5</b>
<b>3. Test Environment</b> .....	<b>5</b>
<b>4. Testing Tools</b> .....	<b>5</b>
<b>5. Release Control</b> .....	<b>6</b>
<b>6. Risk Analysis</b> .....	<b>6</b>
<b>7. Review and Approval</b> .....	<b>6</b>

## 1. Scope and Overview

The USED.CA is a mobile app which aids user to sell or buy products and items, get some service like auto care, roofing and plumbing etc., post advertisement on rents. This app is user friendly and can be easily installed in both iOS and Android and is compatible in all the available version.

The scope of this project would be Testing the Functionality of the application. Whether it works according to the major required specified in the document (FRD and BRD). Also check whether the functionality is same across different Mobile software and software Versions.

The key stakeholders to review this document would be the Testing team, QA manager, Architect and Project Manager. And this document would be approved by the Client and the Project Manager.

The major testing activities would be

S.no	Testing Activities	Timeline
1	Planning	Week 1
2	Analysis	Week 2
3	Design	Week 2
4	Implementation	Week 3
5	Execution	Week 3
6	Maintenance	Week 4

## 2. Test Approach

### 2.1 Stages in Testing

Software Testing consists of various processes or stages and have specific ranges of activities. The major Stages in the software Testing includes:

#### STAGE 1: TEST PLAN

Total testing period for this USED.CA mobile app is 4 weeks. The devices used in this process includes iOS mobile device (compatible for all version) and Android Device (Compatible to all version).

DEADLINES:

Stages	Deadline
Analysis	April 8, 2019
Design	April 12, 2019
Development	April 19, 2019
Execution	April 21, 2019
Retest	April 25, 2019
Sign off	April 30, 2019

The testing approach used here is Manual Testing and the application is compatible with both iOS Android platforms. This application should support all the latest version of the device.

#### STAGE 2 – ANALYSIS

High Level Requirement		
Req ID	Requirement	Testing Method
R01	User Login	Manual
R02	Selection of the Displayed item	Manual
R03	Guest Login	Manual
R04	Contact Buyer	Manual
R05	Receive messages	Manual
R06	Receive Notification	Manual
R07	Receive Alerts	Manual
R08	Modify User Information	Manual
R09	Post Advertisement	Manual
R10	Post comments	Manual
R11	Share the product detail	Manual
R12	Change Password	Manual
R13	Sign out	Manual

#### STAGE 3 – DESIGN

Designing the test cases and test steps are designed in this stage. Our testing method is Manual, create the major test scenario, test conditions, Test cases and Test steps for executing. The following would be the sample test case template,

Tc #	Test Scenario	Test Condition	Test case name	Test Case Description	Test Steps	Actual Results	Expected Results	Pass/ Fail	Comments
------	---------------	----------------	----------------	-----------------------	------------	----------------	------------------	------------	----------

#### STAGE 4 – EXECUTION

The application should be tested with real time environment, based with the Testcase Document created.

App behavior when receiving the cellular call, WhatsApp notification pop over, phone alarm etc. is also tested.

The application should be tested in both portrait and Landscape mode to check the UI and UX behavior.

If tester encounters the bug, they can report to the developers and Bug is reported in the tool “JIRA”

## STAGE 5 – RETEST

The application is retested to check whether the bug is resolved and the closed in the bug reporting tool.

The regression testing is also carried out to check whether other functionality works fine.

## STAGE 6 – SIGN OFF

Once the application is tested, The QA team can report to the manager and QA manager can authorize the release the testing phase

### 2.2 Roles and responsibilities of each team member

Team Member	Responsibilities
QA Analyst	Ensuring all development tasks meet quality criteria through test planning, test execution, quality assurance and issue tracking. It is crucial for every tester to mark the pass, Blocked and failed with proper build number and bug ID.
QA lead	Lead a team of testers to meet the product goals and thereby achieving the organization goals that are derived.
QA Manager	Quality assurance managers work with other staff to establish procedures and quality standards and to monitor these against agreed targets.

### 2.3 Testing Types

Major testing types followed here is Smoke Testing, Functional Testing, Network Testing (Check with Wi-Fi connection and mobile data), stress testing and Sanity test.

### 2.4 Defects

Defects are tracked manually along with the testcase document and reported in the tool “JIRA” which generates Bug ID.

Once the issue is fixed, the application can be retested and if resolved the issue can be closed in the tool.

### 2.5 Test Sign off

Once the smoke testing and regression testing are fully passed and build is stable on both iOS and Android, QA manager gives the official Sign off the testing ensuring all the functionality.

## 3. Test Environment

The application can be tested in iPhone, iPad and android devices. Android 8 and Android 9. iOS 11 and iOS 12. Application can be downloaded from App store.

## 4. Testing Tools

Manual Test cases are created in MS excel and execution status is recorded.

Defects are logged in the “JIRA”

## 5. Release Control

Release	Task	Version	Comment
Testing phase 1	Smoke, Functional Testing	V.1	Testing Done and defects identified
Testing phase 2	Retesting	V.2	
Testing Phase 3	Regression Testing	V.3	

## 6. Risk Analysis

1. Data Leakage.
2. App supported chat risk – There is a possibility that chats could be delivered late.
3. High changes of forgery to happen.

## 7. Review and Approval

S.no	Activities	Approved Date	Name	Comment
1	Planning	April 6, 2019	Sara	
2	Analysis	April 8, 2019		
3	Design	April 12, 2019		
4	Development	April 19, 2019		
5	Execution	April 21, 2019		
6	Retest	April 25, 2019		
7	Sign off	April 30, 2019		