Test Plan Document

USED.CA_001

Document Last Modification date	43562
Version	0.1
Status	Progress
Revision	1
Document Owner	Freshworks studio
Document Author	Saraswathy
Document Reviewer	

Document History

Revision History

Version Number	Revision Date	Summary of Changes	Changed by
V 0.1	04 April 2019	**Initial Version**	

Reviewer

Name	Position/ Department	Version	Review Date
QA Manager	Quality Assurance and Control	V.03	28 April 2019

Approvals

Name	Position/ Department	Version	Approve Date
Project Manager	Manager	V.03	30 April 2019

Distribution

This document is available to

Name	Title
Stakeholders	

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1.Introduction

1.1 Background

The USED.CA is an exclusive 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. Items are classified into different categories to ease the search for the user. User can post the advertisement about the product that is to be sold. The User need to sign in for posting their add in the Used.CA app. User can also get messages, alerts and notifications when they are signed in. When the user is in the logged in, he/she can edit their account details, modify their profile and check for notification. The buyers can contact the sellers either through mail or phone (if Contact no is provided) to know more about the product. The users are provided with details about the locations and features of the item. This app is user friendly and can be easily installed in both iOS and Android and is compatible in all the available version.

1.2 Testing Objectives

The objectives of testing are as follows:

• To check the functionality of the application, so that it is user friendly.

• Compatible in iPhone, Android Devices with the specified versions.

• Track and report for the Bug and retest the application once the issue is resolved.

1.3 Document Audience

Role	Name	Email/ Telephone	Organization
Product Owner			
Project Manager			
Architect			
QA Manager			
QA Team			
QA Lead			
BA			
Development Team Lead			
Deployment Team			

1.4 References

Document Name	Author	Version	Update date
Test Strategy Document	Saraswathy	V 01	April 7, 2019
Requirement Traceability matrix			

2. Testable Items

2.1 In Scope

This test activity focuses on the following:

1. Perform Testing based on Test Case Document.

2. Check for the Functionality of the application and few non-functional aspects of the application.

2.2 Functional Scope

To list all functional area and description that will be in scope of testing.

ID	Functional Area	Functional Sub Area	Description
BR01	Login	New User Sign Up	A new User can Sign – Up the app by providing valid email Id and creating a password.
BR01	Login	Sign-in by existing User (email)	Existing User logging into the app entering registered email ID and password.
BR01	Login	Sign-in by using Facebook login	Existing User logging into the app entering Facebook Credentials
BR01	Login	Guest User	Using the application without registering.
BR02	Items/ Products	Displayed item	Display of the products in the home page.
BR03	Contact	Contact Buyer	Contacting the user either by mail or phone
BR04	Message	Receive messages	User receives a message for the item posted or requested information.
BR05	Notification	Receive Notification	User receives a Notification for the item posted or requested information.
BR06	Modification	Modify User Information	User can add or change the existing information on the user profile.
BR07	Advertisement	Post Advertisement	User can post the information about an item
BR08	Product Details	Product detail	User can select a product, check details and share product information.
BR09	Alerts	Receive Alerts	User receives alert for the similar item.

BR10	Comments	Post comments	User can post comments to get details about the product
BR11	Comments	Receive Comments	User will receive reply on the query posted.
BR12	Sign off	Sign out	User can sign out of the application.

2.3 Non-Functional Scope

Non-Functional Requirement	Description
NFR-001	Displaying appropriate error message when the system is under stress
NFR-002	Whether the application is compatible to the latest version
NFR-003	Incoming Alert from another mobile application.
NFR-004	Placeholder functionality

2.4 Out of Scope

Item	Description
1	Payment Through the USED.CA app
2	Control over the email conversation between buyer and seller

3. Detailed Test Approach

3.1 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

Testing should always begin with a well-established plan to ensure an efficient execution of the entire testing process without any hurdles. Efficient Test plan should the information about the amount of work done, deadlines, milestones to be achieved, methods of testing, human and system resources and well predicted risk and contingency plans.

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 with an iOS device and Android. This application should support all the latest version of the device.

Latest Application Version – USED.CA, version 1.17

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

3.2 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.

3.3 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.

3.4 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 an be retested and if resolved the issue can be closed in the tool.

Regression testing is to be done to ensure the functionality of the application.

3.5 Test Sign off

Once the application is tested, QA manager gives the official Sign off the testing ensuring all the functionality.

4. Test Case Design

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

5.Data Build

Few sample test data used

S.no	Description	Test Data
1	Invalid email format	1. sarasa 2. saraswathy@gil.com
2	Email ID and password	saraswathyramesh@gmail.com Pwd : absct67
3	Password less than 6 characters	we45

6. Test Conditions

6.1 Sign up Page 1- TS01

Testing will demonstrate the following:

1. User clicks the sign-up button

2. User enter the Valid email ID and password.

3. User confirms the email and password.

4. User clicks Sign - up button.

6.2 Sign Up page – TS02

Testing will demonstrate the following:

1. User enter the Valid email ID and password.

2. User clicks Sign - in button

6.3 Product Description Page – TS03

Testing will demonstrate the following:

1.User clicks the Skip button in top left corner of the app,

2. User scrolls down the page to see all the items.

3. User selects the category icon.

4. User clicks the product to be viewed.

5. User sends feedback by clicking on the icon present in the top right corner of the app.

6. User enters the Feedback.

7. User sends the feedback.

6.4 Post Ad page - TS04

1. User click on the " +" icon present in the home page.

2.User enters the title.

3.User enters the description.

4. User adds the images.

5. User selects the category.

6. User enters the price of the item.

7. User selects the preferred mode of communication.

8. User customizes the settings by modifying the Advance setting details.

9. User set the location in the map.

10. User post the ad.

7. Test Environments

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.

8. Test Schedule

Iteration	Function to be Executed	Date
Iteration 1	• User Login • Posting Advertisement	
Iteration 2	• Retest the application	
Iteration 3	• Regression Testing	