# **Test Strategy Document**

**USED.CA\_001**

Test Strategy

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
| 6th April 2019 | V1 | Sara | High level Test Strategy Document |
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# **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 an 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.

# **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.

# **Testing Tools**

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

Defects are logged in the “JIRA”

# **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 |  |

# **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.

# **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 |  |  |
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