**Design Verification Plan**

**MKESocial – Team 2**

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# Introduction

Verification plan to cover… test cases for the system requirements of our project.

# Purpose and Scope

It describes:

* How the verification will be done; based on which requirements input
* Who completes the verification activities
* How the traceability will be established

As the project content could change over time, this document could be adjusted to reflect these changes.

# References

The following table lists other documents referenced by this document.

| Document |
| --- |
| User Requirement reference: team2UserReqDoc-version 2.docx |
| System Requirement reference: team2SystemReqDoc.docx |
|  |
|  |

# Definitions, Acronyms, Abbreviations

|  |  |
| --- | --- |
| Term | Definition |
| SYS | System Requirement |
| USR | User Requirement |
|  |  |

# Entrance Criteria

The following items will be completed prior to the start of verification testing:

* Using a phone/emulator with Android 5.0 Lollipop (API level 21) or higher
* If using phone, MKESocial app should be installed

# Test Cases and Methods

The team will create and execute System Requirements verification test cases constructed from the System Requirements.

The results of the verification will be documented as follows:

* Environment used to execute the test: Version of SW, labeled SW, x-Cut, build number, document revision, etc. that exactly specifies the test unit
* ***Who*** executed the test
* ***When*** was the test executed
* ***Result***, why the verification failed or was not executed.  
  The observed result will be documented as a rational, why the test was passed, failed, or not executed.
  + Passed:

A Passed result indicates that all preconditions were satisfied and the test case passed

* + Failed:

A Failed result indicates that the test case failed or the preconditions of the test case could not be satisfied

* + Not Executed:

A Not Executed indicates that test case was intentionally not executed. The tester is required to explain why the test case was intentionally not executed in the Comments section of the test case.

**Plan to verify Firebase/Login Requirements**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case** | **System Req ID** | **Environment** | **Tester** | **Date** | **Result** |
| 1 | SYS 2.1.1 |  |  |  |  |
| 2 | SYS 2.1.2 |  |  |  |  |
| 3 | SYS 2.1.3 |  |  |  |  |
| 4 | SYS 2.1.4 |  |  |  |  |
| 5 | SYS 2.1.5 |  |  |  |  |
| 6 | SYS 2.2.1 |  |  |  |  |
| 7 | SYS 2.2.2 |  |  |  |  |
| 8 | SYS 2.3.1 |  |  |  |  |
| 9 | SYS 2.2.2 |  |  |  |  |
| 10 | SYS 2.3.1 |  |  |  |  |

**Plan to verify Page/UI Requirements**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case** | **System Req ID** | **Environment** | **Tester** | **Date** | **Result** |
| 11 | SYS 3.1.1 |  |  |  |  |
| 12 | SYS 3.1.2 |  |  |  |  |
| 13 | SYS 3.1.3 |  |  |  |  |
| 14 | SYS 3.2.1 |  |  |  |  |
| 15 | SYS 3.2.2 |  |  |  |  |
| 16 | SYS 3.2.3 |  |  |  |  |
| 17 | SYS 3.2.4 |  |  |  |  |
| 18 | SYS 3.2.5 |  |  |  |  |
| 19 | SYS 3.3.1 |  |  |  |  |
| 20 | SYS 3.3.2 |  |  |  |  |
| 21 | SYS 3.3.3 |  |  |  |  |
| 22 | SYS 3.3.4 |  |  |  |  |
| 23 | SYS 3.4.1 |  |  |  |  |
| 24 | SYS 3.4.2 |  |  |  |  |
| 25 | SYS 3.5.1 |  |  |  |  |
| 26 | SYS 3.5.2 |  |  |  |  |
| 27 | SYS 3.5.3 |  |  |  |  |
| 28 | SYS 3.6.1 |  |  |  |  |
| 29 | SYS 3.6.2 |  |  |  |  |
| 30 | SYS 3.6.3 |  |  |  |  |
| 31 | SYS 3.6.4 |  |  |  |  |

**Plan to verify general requirements**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case** | **System Req ID** | **Environment** | **Tester** | **Date** | **Result** |
| 32 | SYS 4.1.1 |  |  |  |  |
| 33 | SYS 4.2.1 |  |  |  |  |
| 34 | SYS 4.3.1 |  |  |  |  |
| 35 | SYS 4.4.1 |  |  |  |  |
| 36 | SYS 4.5.1 |  |  |  |  |
| 37 | SYS 4.6.1 |  |  |  |  |
| 38 | SYS 4.6.2 |  |  |  |  |
| 39 | SYS 4.6.3 |  |  |  |  |

# Resources, Equipment and Environment

List:

* Resources: Google API, Android SDK, Firebase, SYS and USR Requirements
* Equipment: Android Phone (Samsung Galaxy S7), NOX phone emulator,
* Environment: Gradle