**Purpose of the Document**

Use the Test Plan document to describe the testing approach and overall framework that will drive the testing of the project.

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# Introduction

## Purpose

In this, we will perform the Functional, Integration, System, User Acceptance, Compatibility, Interruption and Security testing of the Login and Notification modules. The test case execution will happen on UAT environment by two testers and followed by lead review. During this cycle all the bugs(if found) will be raised in Jira. The test management will happen by this document and Jira.

## Project Overview

The XY project provides the development of AB application which described the these options where user can interact and use it.

# Scope

## In-Scope

In this we keep the following functionalities in scope of testing:

1. Login screen for the user
2. Notification page/functionality

## Out-of-Scope

The Home page and Sign-up page/functionality will be not considered as a part of testing/

# Testing Strategy

## Test Objectives

1. The tester 1 must follow the written test case and perform the testing on login screen covering positive and negative test scenarios
2. The tester 2 must follow the written test case and perform the testing on Notification screen covering positive and negative test scenarios. It includes type of notifications received and how to act or define the next set of actions based on it.

## Test Assumptions

1. The two testers must complete the testing within the dedicated time.
2. All the found bugs must be raised in Jira and retest when the fixes are available

## Data Approach

1. The login, logout, field validation, UI, success/error messages and other functionalities present on login screen, will be tested as part of this.
2. The types of notifications, actions on them, UI, success/error messages, interruption testing and other functionalities present on login screen, will be tested as part of this.
3. The test cases(which cover all the functionalities) will be executed for both Login and Notification modules

## Level of Testing

|  |  |  |
| --- | --- | --- |
| **Test Type** | **Description** | **Responsible Parties** |
| Smoke/Adoc Testing | In this, we will verify that the build the build is testable or not. In this we will try to find if there is any blocker. | **Testing Team** |
| Functional Testing | In this, we will test each functionalities of the modules thoroughly to make sure that all the functionalities are working fine. | **Testing Team** |
| User Acceptance Testing | In this, we will verify the proper or positive flow of the modules as per s end users. | **Testing Team** |
| Integration Testing | In this, we will test the data transfer and navigations along with the stand alone functionalities of the modules | **Testing Team** |
| Interruption Testing | In this, we will verify the behavior of the modules/functionalities when it is interrupted. | **Testing Team** |
| UI Testing | In this we will test all the UI elements colour, text size, text type, positions of the elements, type of elements, size of the elements, spelling mistakes, spacing’s, title, hallmark. | **Testing Team** |
| Compatibility testing | In this, we will test the application is compatible with different devices and different OS and Android versions. | **Testing Team** |

## Participants:

|  |  |  |
| --- | --- | --- |
| **Tester’s Name** | **Department/ Area** | **Role** |
| A Kumar | Testing | Test Engineer |
| B Kumar | Testing | Test Engineer |
| C Kumar | Testing | Test Lead |

# Execution Strategy

## Entry Criteria

|  |  |  |  |
| --- | --- | --- | --- |
| **Entry Criteria** | **Test Team** | **Technical Team** | **Notes** |
| *Test environment(s) is available* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Test data is available* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Code has been merged successfully* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Development has completed unit testing* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Test scripts are completed, reviewed and approved by the Project Team* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |

## Exit criteria

|  |  |  |  |
| --- | --- | --- | --- |
| **Exit Criteria** | **Test Team** | **Technical Team** | **Notes** |
| *100% Test Scripts executed* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *90% pass rate of Test Scripts* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *No open Critical and High severity defects* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *All remaining defects are either cancelled or documented as Change Requests for a future release* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *All expected and actual results are captured and documented with the test script* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *All test metrics collected based on reports from daily and Weekly Status reports* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *All defects logged in Defect Tracker/Spreadsheet* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |
| *Test environment cleanup completed and a new back up of the environment* | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png | C:\Users\arxp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7F9Z3IW4\MC900441310[1].png |  |

## Validation and Defect Management

* The test cases will have Pass and Fail status post execution.
* The failed test cases will have the Jira/bug Id against it
* The testers execute all the scripts in each of the cycles described above.
* The defects will be tracked through Jira.
* It is the responsibility of the tester to open the defects, retest and close the defect.

## 4.4 Defects found during the Testing should be categorized as below:

|  |  |
| --- | --- |
| **Severity** | **Impact** |
| *1 (Critical)* | * *Functionality is blocked and no testing can proceed* * *Application/program/feature is unusable in the current state* |
| *2 (High)* | * *Functionality is not usable and there is no workaround but testing can proceed* |
| *3 (Medium)* | * *Functionality issues but there is workaround for achieving the desired functionality* |
| *4 (Low)* | * *Unclear error message or cosmetic error which has minimum impact on product use.* |

# Environment Requirements

## Test Environments

* UAT build (APK and IPA) will be considered for the testing.
* Build version will be documented for the reference
* Two Android and two IOS devices will be used while testing
* The Android version 4.1.1 and 9.1.1 will be considered as lowest and highest version of OS for APK
* The IOS version 4.1.1 and 7.1.1. will be considered as lowest and highest version of OS for IPA

# Significantly Impacted Division/College/Department

|  |  |  |
| --- | --- | --- |
| **Business Area** | **Business Manager** | **Tester(s)** |
| **XYZ** | M Kumar | 2 |
| **XYZ** | S Kumar | 2 |
| **ZYX** | D kumar | 2 |