

TEST PLAN

<<Amader Rail (আমাদের রেল)>>

Abstract

This document provides an overview of the project and the product test strategy, a list of

testing deliverables and a plan for Test

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*Private & Confidential*

# VERSION HISTORY

| Version # | Write by | Revision Date | Approved By | Approval Date | Description |
| --- | --- | --- | --- | --- | --- |
| 1.0 | Auntor Acharja | 05/08/2022 | XXX | XXX | Test Plan create |

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## INTRODUCTION

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project **“Amader Rail”** Android Application.

The plan identified the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

## TEST STRATEGY

### Scope of Testing

* + 1. Feature to be tested

All the features of the application **“Amader Rail”** which were defined in software requirement specs are needed to test

* Landing Page
* Account Registration
* Skip Registration
* Sync Train Information
* Search Train
* Train Timeline
* Price of Ticket
* Train Tracking
* Mobile Ticket
* Subscribe Information
* App Share options
* Complaint via Email
* About

### Feature not to be tested

These features are not be tested because they are not included in the software requirement specs

* Database logical
* Communications Interfaces
* App Security and Performance
* Train Tracking Live
* Notice Board
* Station Map

### Test Type

In the project **“Amader Rail”**, there’re 3 types of testing should be conducted.

* System Testing: Conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements.
* UI Testing: Overall all UI performance should be better and more user-friendly.
* Automation Testing: For regression testing, we may write automate script to test the app after every major release.

### Risk and Issues

| Risk | Mitigation |
| --- | --- |
| Team members lack the required skills for app testing. | Plan training course to skill up your members. |
| The project schedule is too tight; it's hard to complete this project on time | Set Test Priority for each of the test activities. |
| New OS Support may be needed | Plan for supported OS |
| New device needed for current OS support | Plan and buy the supported device as early as possible |

### 

### Test Logistics

### Who will test?

* QA team members will test.

### When will the test occur?

The tester will start the test execution when all the following inputs are ready

* Software is available for testing
* Test Specification is created
* Test Environment is built
* Enough human resources for testing

## TEST OBJECTIVE

The test objectives are to verify the functionality of the app **“Amader Rail”**, the project should focus on testing the Train information, Buy ticket…etc. to guarantee all these operations can work normally in the real business environment.

## TEST CRITERIA

### Suspension Criteria

If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases.

### Exit Criteria

Specifies the criteria that denote successful completion of a test phase

* The run rate is mandatory to be 100% unless a clear reason is given.
* Pass rate is 80%, and achieving the pass rate is mandatory.

## 

## RESOURCE PLANNING

### System Resource

| No. | Resources | Descriptions |
| --- | --- | --- |
| 1. | Server | N/A |
| 2. | Test tool | Develop a Test tool that can auto-generate the test result to the pre-defined form and automated test execution |
| 3. | Mobile | At least Android OS v6.0.0 is required |

### 

### Human Resource

| No. | Member | Tasks |
| --- | --- | --- |
| 1. | Test Manager | N/A |
| 2. | Auntor Acharja | * Write Test cases including Test Scenario * Write and make a test Summary report * Write Automated Script with auto-generate report |

## 

## TEST ENVIRONMENT

Tested devices:

1. Oppo A57 (Android OS 6.1.0)

## SCHEDULE & ESTIMATION

### All project tasks and estimation

| Task | Members | Estimate effort |
| --- | --- | --- |
| Create the test specification | Test Designer | 120 man-hour |
| Write test cases | Tester, Test Administrator | 200 man-hour |
| Perform Test Execution | Tester, Test Administrator | 80 man-hour |
| Test Report | Tester | 10 man-hour |
| Test Delivery |  | 20 man-hour |
| Total |  | 430 man-hour |

### 

### Schedule to complete these tasks

* Write test cases: August 05 - August 13
* Execute test cases: August 05 - August 13
* Test Summary: August 14

## TEST DELIVERABLES

Test deliverables are provided as below:

### Before the testing phase

* Test plans document
* Test cases documents
* Test Design specifications

### During the testing

* Test Tool
* Simulators
* Test Data
* Test Traceability Matrix
* Error logs and execution logs

### After the testing cycle is over

* Test Results/reports
* Defect Report
* Installation/ Test procedures guidelines

### Release notes