**Test Plan**

**For**

**Fleet Management**

**Prepared For**

**Thinkitive Technologies Pvt Ltd**

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Page 1

**TABLE OF CONTENTS**

**1** **SUMMARY**

**1.1** **BUSINESS OBJECTIVES**

**1.2** **PURPOSE**

**1.3** **SCOPE**

**2** **TEST OBJECTIVES**

**3** **TEST ENVIRONMENT**

**4** **RESOURCES**

**5** **ENTRY CRITERIA**

**6** **EXIT CRITERIA**

**7** **TEST CASES**

**8** **TEST DATA**

**9** **TEST SCHEDULES**

**10** **REQUIREMENT COLLECTION LINKS**

**11** **ATTACHMENT**

Page 2

**ABBREVIATIONS, ACRONYMS & DEFINITIONS LIST**

This section shall contain the "Abbreviations, Acronyms & Definitions List" and list out each abbreviation and acronym along with its complete word or phrase. In addition, this section shall contain all words and phrases whose common definition is required for clarity of understanding.

**Examples:**

| ACK | Acknowledgement |
| --- | --- |
| Mind Optimizer | Software Application Name |

**References:**

This section describes the complete list of documents referred to prepare the Test Plan. The reference documents shall describe the title, version number, dates, authors, and publishers.

| **Sr No** | **Title** | **Location** |
| --- | --- | --- |
| 1 | PRD | PRDs - Google Drive |
| 2 | Design Screens | App – Figma |

Page 3

**1** **SUMMARY**

**1.1 BUSINESS OBJECTIVES**

This application is a an IOT web application which will monitor asset's current location , Fuel consumption, speed so responsible persons can make appropriate strategic decisions and improve the work of the links that need it

**1.2 PURPOSE**

This test plan is the basis for the execution and tracking of testing activities for Fleet Management Project. It shall be used for testing of the project and will be kept up to date to reflect the actual accomplishments and plans of the project.

**1.3 SCOPE**

This document outlines the planned approach that would be applied in testing the Fleet Management features. The scope of the test plan is based on Milestone features.This plan defines test scope, test strategy,test schedules.It also provides details about the test data, entry criteria and exit criteria.

Page 4

**2 TEST OBJECTIVES**

This section describes the scope of the Testing carried out for the project developed.

| Sr No | Test Type | Description |
| --- | --- | --- |
| 1 | Functional:Feature Testing Manual(Includes Positive and Negative Flow) | Related to functionality of the application. It would cover the end to end flow of Asset tracking like fuel consumption, speed, temperature    IoT Device: Emulator |
| 2 | Usability | Related to GUI of the application .Eg: Screens as per Figma Designs, Color and illustrations, Tab Order, Alignment of objects on the screens, Title bars, Validation messages, Spelling of messages, Tool Tips |
| 3 | Regression Testing | P0 Test cases would be identified from all Features written scenarios and executed at the end of Release. |
| 4 | Database Testing | To test if correct values are getting inserted into tables in the database. When a user performs any action on the Portal, whether appropriate tables are getting updated. |
| 5 | API Testing | All the API’s of Mind Optimizer Features would be executed for intended responses. |
| 6 | Integration Testing | Testing carried out between   1. Portal and IoT Device |

**3. TEST ENVIRONMENT**

* User Portal: Web app
* Safari
* Chrome 107.0
* Firefox 107.0.5304.110
* Servers
* Production Server:

Page 5

**4. RESOURCES**

This section shall describe the tools used for testing the product:

* Excel Sheet will be used as a Defect Tracking.

Software Defect States:

*As per defect status would be followed in Excel.*

| **Defect State** | **Description** |
| --- | --- |
| To do | Whenever a new ticket is created its status is To do. |
| Ready For Development | On Requirement clear Ticket will be in this state. |
| In-Development | Started development. |
| Ready For QA | For Testing tickets are received on QA env. |
| Rework | If the ticket fails that will be Reopened and goes into Rework state. |
| Ready For Deployment | If a ticket is passed it will move to Prod. |

Page 6

**5. ENTRY Criteria**

This section shall describe the acceptance criteria for the product for starting the QA/Testing Activities.

* All documents required for Testing like PRD’s,Figma Screens, Bugs Excel Sheet should be in place.
* Tools required for testing activities like Defect reporting and tracking tools are ready.
* Test environments mentioned above must be in place.
* All the features & Defect fixes scheduled for release should be completed and information about the same must be shared with the testing team in the build Release Notes.
* The test team completes a smoke check and if the smoke test passes, the project management team agrees in a system test phase entry meeting to proceed for starting the Feature Test cycle.
* Testing is suspended in case of major defect found in sanity Testing. Testing shall be started again once the critical defect is fixed and a new build is released by the Dev team.

**6. Exit Criteria**

This section describes when the QA/testing activities would stop.

* No panic, crash, halt, wedge, unexpected process termination or other a stoppage of processing has occurred.
* The test team has executed all the planned scenarios against the Milestone 1 Features.
* The development team has resolved all must-fix Defects.
* The test team has checked that all issues in the Excel Bugs Sheet are either closed or deferred.
* The test metrics indicate that we have achieved product stability and reliability; and that we have completed all planned scenarios; and the planned tests adequately cover the critical quality risks. Traceability matrix will be prepared to ensure Total Coverage.

Page 7

**7. TEST Scenarios**

Test Scenarios are managed in Excel sheets.

Test Scenarios Link :

* API Test Scenario: <https://docs.google.com/spreadsheets/d/1cLYJAPgKz1Dw3tL_ICvYq3KAfmEFKdurKIdjGAmiIQs/edit?usp=sharing>
* Feature Scenario: <https://docs.google.com/spreadsheets/d/1GO4LMSKWr14QYA0vvzShlxPohzePbOPJtRMsij8bKy0/edit?usp=sharing>

Page 8