**TEST PLAN**

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# **Meal, Calorie Track: DietPlan**

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**Test Plan Created Date:** 04/11/2025

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**Introduction**

This Test Plan outlines the strategy, objectives, resources, schedule, and scope of testing for the mobile application to ensure it meets business and user expectations.

**URL:**[**https://play.google.com/store/apps/details?id=com.pixsterstudio.dietplans**](https://play.google.com/store/apps/details?id=com.pixsterstudio.dietplans)

**Objectives**

* To ensure the mobile app functions correctly on supported platform (Android).
* To verify the usability, performance, and compatibility of the application.
* To identify bugs.

**Scope**

This test plan covers manual testing of the Mobile Application on Android Device.

**Testable Features**

* App Launch
* Gender Entering Page
* Age Entering Page
* Weight Entering Page
* Height Entering Page
* Weight Goal Entering Page
* Activity
* Familiarity
* Life Style
* Meals Suggestion Page
* Medical Disclaimer Page
* Diet Plan Generation

**Testing Approach**

* Manual Testing
* **Testing Environment and Operating System**

* Galaxy A16 5G
* Android 14
* Testing Tools:[ Google Docs, and Google Sheets]

**Roles/Responsibilities**

| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Vishnurag. P |  | * Develop test plans and strategies in alignment with project objectives and requirements. * Understand customer requirements. * Write Test Scenarios and Test cases. * Executing the Test cases. * Defect tracking and reporting. |

**Test Schedule**

Following is the test schedule planned for the project.

| **Task** | **Time Duration** |
| --- | --- |
| Test Plan creation |  |
| Test Scenario Creation |  |
| Test Case creation |  |
| Test Case Execution |  |
| Summary Report Submission |  |

**Test Deliverables**

| **Deliverables** | **Description** | **Responsible Owner** | **Target Completion Date** |
| --- | --- | --- | --- |
| Test Plan | Outline the testing approach, strategies, and scope. |  |  |
| Test Cases | Test cases were created for Functional, Usability, and Compatibility Testing. |  |  |
| Defect Reports | Detailed description of the defects identified in the testing. |  |  |

**Entry and Exit Criteria**

**Test Planning**

* Entry Criteria

The Test Plan document includes the Test strategies, Which provides a high-level overview of how the testing will be conducted.

* Exit Criteria

The Test Plan is signed off.

**Test Designing**

* Entry Criteria

  The Test Plan document is reviewed and approved.

* Exit Criteria

Test Scenarios and Test Case documents are prepared.

**Test Execution**

* Entry Criteria

Test Scenarios and Test Cases document need to be reviewed and approved.

* Exit Criteria

Test Case Reports and Defect Reports are ready.

**Test Closure**

* Entry Criteria

Test Case Reports and Defect Reports are ready.

* Exit Criteria

Test Summary reports, overviews of the entire testing process.

**Tools**

* Mind map tool.
* Google Docs
* Google Sheets

**Risks and Mitigation Plans**

| **Risk** | **Mitigation Plan** |
| --- | --- |
| Device Fragmentation | Use a combination of real devices and emulators for broad coverage. |
| Net Work Issue | Use a combination of real devices and emulators for broad coverage. |

**Approvals**

* Test Plan
* Test Scenarios
* Test Scripts
* Reports

Testing will only continue to the next steps once these approvals are done.