

# TEST PLAN FOR HELA FIX – HOME SERVICE MOBILE APPLICATION

## Change log

Version	Change Date	By	Description
01	28/06/2025	JPT Dilanka	Create the test plan

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# 1. Introduction

The Hela Fix – home service mobile APPLICATION test plan specifies its testing approaches including methods along with procedures and operational sequences. The system must operate correctly and fulfill standards along with offering complete defect clearance before reaching the deployment stage.

## 1.1. Scope

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### 1.1.1. In Scope

#### Main Functional Requirements

1. The system should provide staff management.
2. The system should provide customer management.
3. The system should provide service category and subcategory management.
4. The system should Schedule a booking. (select time and date)
5. The system should provide job management.
6. The system should provide payment management.
7. The system should provide booking history management.
8. The system should provide profile management.

#### Sub-Functional Requirements

1. The system should provide provider availability status.
2. The system should provide email notifications for booking confirmation.
3. The system should provide user review and ratings.
4. The system should provide multiple payment options.
5. The system should provide Language toggle. (Sinhala/English)

#### Non-Functional Requirements

1. Usability

### 1.1.2. Out Of Scope

1. External API response time testing.
2. Third party payment gateway backend functionalities.

## 1.2. Quality Objectives

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- Ensure the system has functional & non-functional requirements.
- Validate usability & accessibility standards.

- Ensure data security during transactions.
- Identify and fix defects before production release.

### 1.3. Roles and Responsibilities

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- QA Analyst: Design and execute test cases.
- Test Manager: Overlooking the testing process and managing resources.
- QA Engineer: Prepare test cases for manual testing and prepare test scripts for automation testing.
- Tester/ Developers: Perform different testing types based on already written test cases and test scripts.
- Development team: Fix bugs and enhance functionality.
- Deployment team: Deploys the application in production.

## 2. Test Methodology

### 2.1. Overview

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The Agile testing methodology will serve due to its iterative framework which facilitates continuous performance feedback and iterative testing cycle throughout development.

### 2.2. Test Levels

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- Unit Testing: Developers will execute this as an individual component testing method.
- Integration Testing: Ensuring seamless integration between modules.
- System Testing: Validating the complete system against requirements.
- User Acceptance Testing (UAT): Conducted by stakeholders before final deployment.

### 2.3. Bug Triage

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Categorization of bugs (Critical, Major, Minor)

Prioritization of bugs (High, Medium, Low)

Resolution (Immediate fix, Deferred fix, no need to fix)

## 2.4. Suspension Criteria & Resumption Requirements

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### **Suspension Criteria**

- If critical bugs are found should be block further testing.

### **Resumption Requirements**

- Testing operations will return when the team verifies the implemented fixes.

## 2.5. Test Completeness

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Testing is considered complete when:

- The execution of functional along with non-functional test cases is complete.
- All critical, together with high-priority bugs have been eliminated from detection.
- The application passes UAT.

## 3. Test Deliverables

Test Plan Document

Test Cases

Bug Reports

Text Execution Report

Test Metrics

## 4. Resource & Environmental Needs

### 4.1. Testing Tools

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Test Management Tool: Jira

Bug Tracking Tool: Bugzilla

Automation Tool: Selenium

Performance Testing Tool: I Meter

## 4.2. Test Environment

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OS: Windows 10/Linux

Browsers: Chrome, Firefox, Edge

Database: MySQL

Web Server: Apache Tom Cat

Mobile Testing: Android/ iOS

Network: Stable internet connection

## 5. Terms/Acronyms

TERM/ACRONYM	DEFINITION
API	Application Program Interface
AUT	Application Under Test
QA	Quality Assurance

