### TEST PLAN

Project Name: Veritech.ai  
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### Introduction

The aim of this document is to provide an overview of the testing approach, strategies, and scope for Veritech.ai. This document includes details such as the scope of the project, testing objectives, test schedule, resource allocations, test deliverables, and reports.

AUT:<https://www.homestay.com/>

### Objectives

* Ensure the functionalities of key features such as Guest Signup, Booking Management, Caretaker Functions, and the Owner Dashboard.
* Validate that all modules of the application are working as expected.
* Verify that there are no critical issues or blockers affecting the functionality.

### Scope

The scope of the testing includes the verification of functionalities and performance for the following components of the Veritech.ai platform:

1. Guest Signup
2. Booking Management
3. Caretaker Functions
4. Owner Dashboard
5. User authentication (OTP-based login)
6. Booking availability and modifications
7. Notifications for bookings and cancellations

### Testing Approach

#### Testing Types

* Functional Testing: To ensure all features work as expected (Guest Signup, Booking Management, etc.).
* Compatibility Testing: To check the application's compatibility across different browsers and devices.
* Performance Testing: To measure the app’s response time under different loads.
* Usability Testing: To ensure a user-friendly interface and a smooth user experience.

#### Testing Methodologies

* Regression Testing: To verify that new updates do not affect existing features.
* User Acceptance Testing (UAT): To validate that the application meets the business requirements from the end-user's perspective.

#### Testing Environment

* Browser: Chrome, Firefox, Safari
* OS: Windows, macOS
* Mobile Devices: Android and iOS
* Test Tools: Zephyr for test management, XMind for mind mapping

### Roles & Responsibilities

| Name | Role | Responsibilities |
| --- | --- | --- |
| Prachi Dubey | Test Engineer | - Understand customer requirements  - Write Test Scenarios & Test Cases  - Execute Test Cases  - Perform root cause analysis to identify underlying issues  - Defect tracking and reporting  - Management of automation tools  - Execute regression test cases |

### Entry & Exit Criteria

#### Requirement Analysis

* Entry Criteria: Testing team receives Requirements and Use Case documents.
* Exit Criteria: All requirements have been thoroughly reviewed, clarified, and understood.

#### Test Planning

* Entry Criteria: Testable Requirements derived from the given Requirements documents. A Test Plan document that provides a high-level overview of how testing will be conducted.
* Exit Criteria: Test Plan is signed off by the Client (Veritech.ai).

#### Test Designing

* Entry Criteria: The Test Plan document has been reviewed and approved by the client.
* Exit Criteria: Test Scenarios and Test Cases Documents are prepared and need to be reviewed.

#### Test Execution

* Entry Criteria: Test Scenarios and Test Cases document are reviewed and approved by the client.
* Exit Criteria: Test Case Reports and Defect Reports are ready.

#### Test Closure

* Entry Criteria: Test Case Reports and Defect Reports are available.
* Exit Criteria: Test Summary Reports, which summarize the entire testing process, are prepared.

### Tools

* XMind: For creating mind maps to visualize the testing process.
* Zephyr: Test management tool to track and manage test cases and defects.

### Risks and Mitigation Plans

| Risk | Mitigation Plan |
| --- | --- |
| Lack of Automation Testers | Plan for backup resources and training. |
| No detailed Requirements available | Consult with Subject Matter Experts for deep understanding of functionalities. |

### Approvals

* Test Plan: To be signed off by the client (Veritech.ai).
* Test Scenarios: To be reviewed and approved by the client.
* Test Reports: Only after client approval, testing will proceed to the next phase.

This document outlines the testing plan for Veritech.ai and will help ensure all functional, compatibility, and performance requirements are met. Testing will proceed as outlined once all approvals are granted.