Requirement Document

1. Introduction

This document outlines the software requirements for manual testing of the Hotel Booking Website using the PHPTravels demo environment. The primary objective is to simulate a real-world manual testing process and evaluate the functionality, usability, and performance of a hotel booking application. The document captures functional and non-functional requirements, identifies user roles, and defines the core features offered by the platform.

2. Purpose of the Website

The Hotel Booking Website provides an online platform for users to search, select, and book hotels. It enables customers to register, log in, manage bookings, make payments, and view hotel details. The platform also includes an administrative panel for managing listings, bookings, users, and payments.

3. User Roles

The application is designed for two primary types of users:

- 1. Customers:
     - Register and log into their accounts.
     - Search for hotels based on destination, dates, and preferences.
     - Book hotels and make payments.
     - View and manage their bookings.
     - Update personal profiles.

- 2. Admin:
     - Manage hotel listings and inventory.
     - Monitor and update customer bookings.
     - Generate reports.
     - Perform system maintenance and updates.

4. Features Offered

The core features offered by the Hotel Booking Website include:

• User registration and login
• Password recovery
• Hotel search and filtering by location, price, star rating, etc.
• Hotel details viewing including images, amenities, and room types
• Booking rooms with real-time availability
• Mock payment gateway integration for completing transactions
• User dashboard for managing bookings and profiles
• Booking history and invoice generation
• Admin backend panel for overall system management

5. Functional Requirements

These are the requirements defining how the system should behave:

• FR1: The system shall allow users to register and log in.
• FR2: The system shall enable hotel searching by location and dates.
• FR3: The system shall allow users to book available hotels.
• FR4: The system shall process bookings with price calculations.
• FR5: The system shall provide users access to view booking history.
• FR6: The system shall allow payments through a demo gateway.
• FR7: The admin shall be able to manage hotel listings.
• FR8: The admin shall have access to all user and booking information.

6. Non-Functional Requirements

These define how the system performs a function:

• NFR1: The system shall be available 24/7 for user access.
• NFR2: The response time for any booking action shall be less than 3 seconds.
• NFR3: The website shall support responsiveness for mobile and desktop devices.
• NFR4: The system shall maintain session security using HTTPS.
• NFR5: The UI should be intuitive, simple, and user-friendly.
• NFR6: The system shall provide appropriate error messages for invalid actions.

7. Assumptions and Constraints

• The test website (PHPTravels.net) is a demo version and may reset data periodically.

• Real payments are not processed; mock gateway simulation is used.

• Certain advanced admin operations are restricted to demo access.

• Browser compatibility testing is limited to Chrome and Firefox.

8. Conclusion

This requirement provides a structured approach for conducting manual testing of the Hotel Booking Website. It lays the foundation for creating test cases, scenarios, bug reports, and final execution plans that follow best practices in software QA.