

Hotel Reservation Management System

Dawid Majchrzak 106943

Business Description & Purpose:

The Hotel Reservation Management System is designed to simplify the booking process for hotels by providing an easy-to-use platform for guests and hotel staff.

The system aims to improve efficiency, reduce overbooking risks, and improve customer satisfaction by offering great reservation experience.

Initial Requirements:

- Responsive web application for reservations.
- Secure online payment processing for booking confirmation using Stripe.
- A user-friendly interface for searching room availability and making reservations.
- A backend system for hotel administrators to manage room availability and pricing.
- Automated confirmation email notifications for guests.

General Functional Description:

The system consists of two main components: the **user booking portal** and the **hotel management dashboard**.

Guests can search for available rooms, select their stay dates, and make reservations with secure payments. The system automatically updates room availability and prevents overbooking.

Hotel staff can use the management dashboard to monitor reservations, check-in/check-out status, and generate reports.

The goal is to streamline hotel operations and provide a smooth experience for both guests and hotel management.