

SRS1. Hotel Management System
Problem statement:

Develop a system for management of hotel rooms and the services associated with it.

Functional requirements

- A user should be able to book specific rooms at different locations in the hotel chain.
- The rooms would belong to different classes and price ranges and this should be reflected in our application.
- A subscription service (yearly or monthly) for frequent visitors can be setup to lower the prices of visits.
- This would go hand in hand with the maintenance of a user profile which helps the users automatically fill their details while booking rooms.
- Booking of party halls and conference halls should be present in the application.
- Administrator should be able to view and manage the bookings.
- A map of the hotel should be included.
- Different classes of rooms come with different facilities and access to them within the hotel. A QR code will act as your ticket to these facilities. Eg: Kids' lounge, swimming pool, bar, etc.
- Meal booking.

- Room service features.
- Parking lot booking system.

Non-functional requirements

- Lighter themed user-interface for attract older individuals as well as provide a homely appearance.
- Faster navigation and processing.
- Available 24x7 and services are automated.
- International access.
- Payment using credit cards, debit cards, UPI and a wide variety of methods.
- When newer features become available, the application should be able to accommodate these features.
- Alt text and labels for assisted technology.

Domain requirements

- Multiple language support.
- Secure system.
- Should conform to local laws and regulations.
- User privacy should be maintained.

Design constraints

- * Should fit standard legal and ethical boundaries
- * Capable to handle 10000 simultaneous users

Preliminary Schedule and budget

- * The project is estimated to take 3 months to complete.
- * Estimated budget: ₹5,00,000
 - S.R.S : ₹50,000
 - Development : ₹3,00,000
 - Testing : ₹1,00,000
 - Deployment & maintenance : ₹50,000