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## Project Details

Project Name:	Hotel Booking System
Assigned To:	Nandini Datta
Due Date:	2025-04-01

### Description:

#### Project Description:

The **Hotel Booking System** is a web-based platform that allows users to **search for available rooms, make reservations, and manage bookings** online. The system enables hotel administrators to **add rooms, set prices, and track customer reservations**. This project will be developed using **PHP, Bootstrap, and MySQL** to provide a dynamic and user-friendly experience.

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### Features to Implement

1.

#### User Authentication

- **Guest users** can search for rooms without logging in.
- **Registered users** can book rooms and manage reservations.
- **Admin login** to manage room availability and bookings.

2.

#### Room Listings & Availability

- Display **available rooms with images, descriptions, and prices**.
- Filter rooms by **room type, price range, and amenities**.

3.

#### Booking System

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- Users can **select a room, choose check-in/check-out dates, and confirm booking.**
  - Store **booking details** in the database.

4.

#### **Admin Panel (Hotel Management)**

- Add, edit, and delete **room details and pricing.**
- View and manage **customer reservations.**

5.

#### **Database Management**

- Store **room details, user accounts, and booking records** in MySQL.

6.

#### **Security Measures**

- Prevent **double booking of the same room.**
- Secure user data using **session authentication and SQL injection prevention.**