**Project Proposal**

**Course : Mobile application development(SODV3203)**

**Group:11**

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**Project :Hotel Booking App**

**Overview**:

The Hotel Booking Android App aims to provide users with a convenient platform to browse, select, and book hotel rooms for their travel needs. The app will offer a user-friendly interface and seamless functionality to enhance the hotel booking experience for users.

**Features**:

**Hotel Room Listing Screen**:

Display hotel name, room picture, and room description for users to browse available accommodations.

Include a "**Book Now**" option for users to proceed with booking directly from this screen.

**Personal Information Page**:

Provide fields for users to input personal details such as name, email address, phone number, and address.

Allow users to specify the number of guests accompanying them.

Include a "**Save**" button to store the entered information.

**Room Information Selection Screen**:

Offer a dropdown menu to select the type of room desired by the user.

Allow users to specify the number of rooms required for booking.

Provide options to select the check-in day and date.

Include a "**Preview**" button to review the selected room and booking details before finalizing the reservation.

**Booking Confirmation Screen**:

Display a congratulatory message confirming the successful booking of the room.

Include relevant booking details such as hotel name, room type, check-in date, and duration of stay.

Provide options for users to view their booking history or continue exploring other rooms.

**Wireframe**:  
  


**Technology Stack**:

**The project will be developed using the following technologies**:

**Android Studio (Java**): For Android app development.

**Retrofit:** For making network requests to the server and handling API calls.

**MySQL Database**: To store and manage user data, room listings, and booking information.

**PHP**: For server-side scripting to interact with the MySQL database and handle API requests.

**Postman**: For testing APIs and ensuring proper functionality.

**Notepad++:** As a text editor for writing and editing code.