# HOTEL RESERVATION SYSTEM
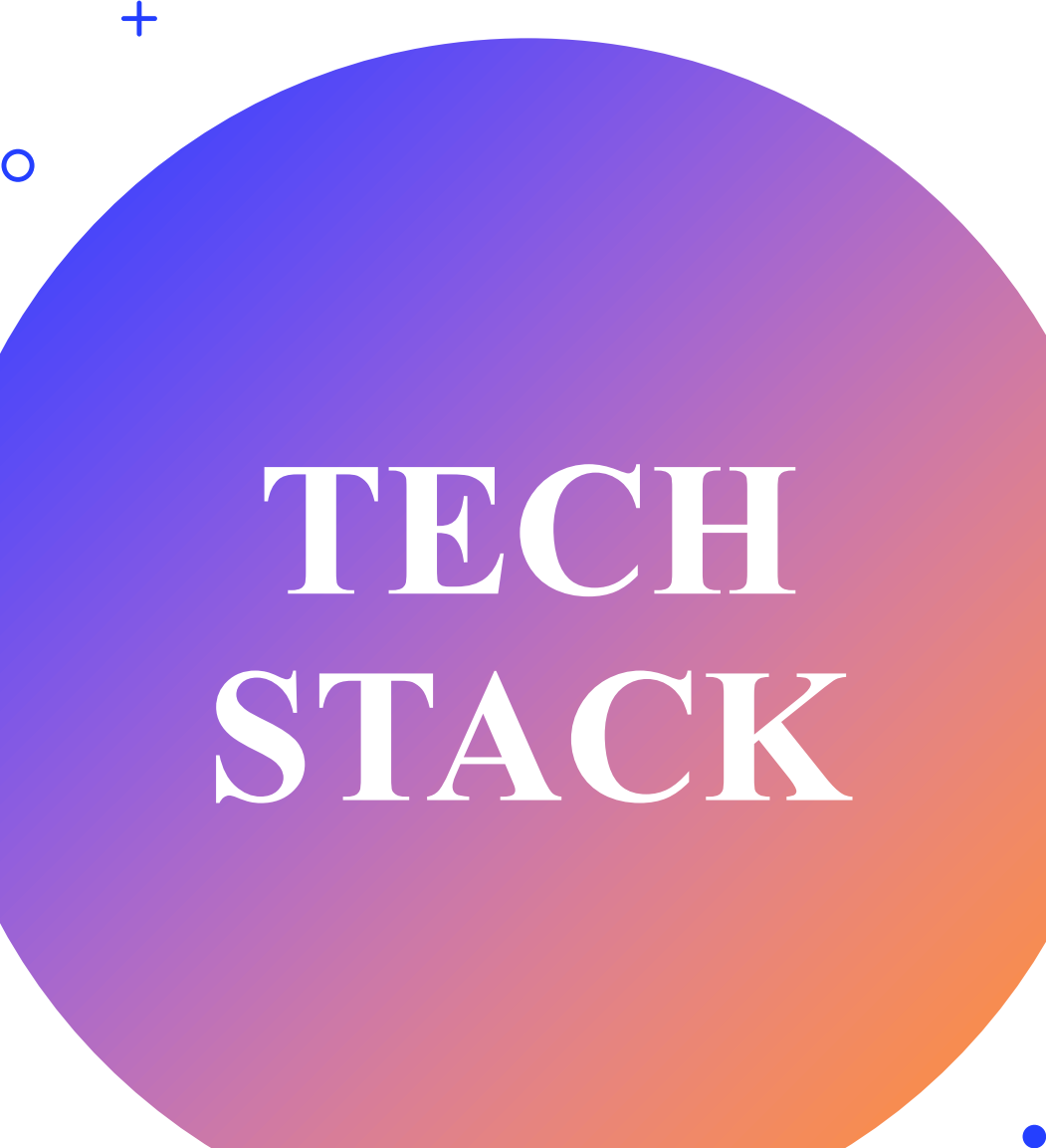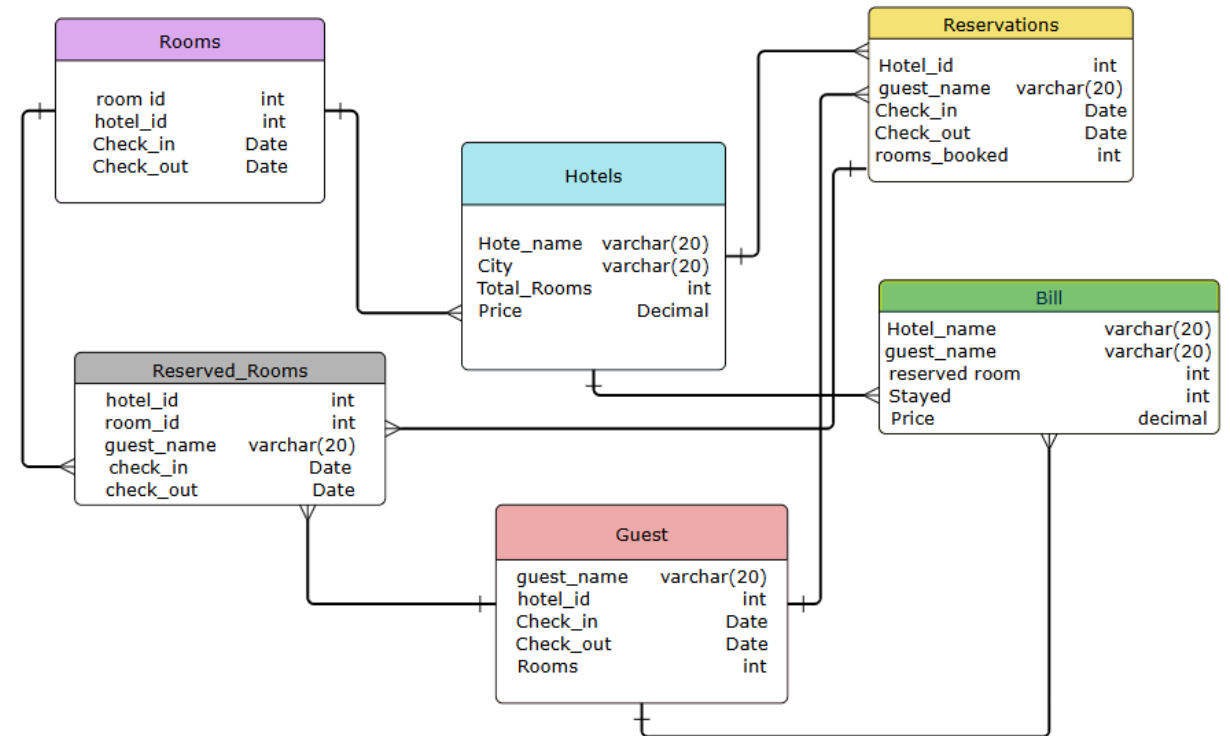
# ABSTRACT

The **Hotel Reservation System** is a software application designed to simplify the process of booking and managing hotel accommodations. It enables customers to search for available rooms, view room details, check rates, and make reservations online. The system also allows hotel administrators to manage room inventory, update booking statuses, and generate reports efficiently. By automating the reservation process, it reduces manual work, minimizes errors, and enhances customer satisfaction. This project demonstrates the integration of database management, user interface design, and transaction handling to create a reliable and user-friendly booking platform.

# TECH STACK

- Java
- MySQL
- JDBC
- JUnit
- Logging
- Exception Handling

# ER-DIAGRAM

# OUTPUT

```
******************************************** Welcome to the Hotel Reservation System ********************************************


1) List hotels

2) Check available rooms

3) Make reservation

4) View reserved rooms

5) Exit

Choose the option: 1
                ***** List of the hotels *****
+-----------------------------------------------------------+

| ID  | Hotel Name          | City      | Rooms   | Price (₹)  |

+-----------------------------------------------------------+

| 1   | SeaView Resort      | Goa       | 20      | 5000.00    |

| 2   | Mountain Inn        | Manali    | 15      | 3500.00    |

| 3   | CityLights Hotel    | Mumbai    | 50      | 7000.00    |

| 4   | Palm Paradise       | Kerala    | 25      | 4200.00    |

| 5   | Desert Mirage       | Jaisalmer | 10      | 3000.00    |

+-----------------------------------------------------------+
```

```
1) List hotels

2) Check available rooms

3) Make reservation

4) View reserved rooms

5) Exit

Choose the option: 2
                ***** Available Rooms  *****

Hotel id: 2

Check-in (yyyy-mm-dd): 2025-05-01

Check-out (yyyy-mm-dd): 2025-05-03

Available rooms: 15


1) List hotels

2) Check available rooms

3) Make reservation

4) View reserved rooms

5) Exit
```

```
1) List hotels
2) Check available rooms
3) Make reservation
4) View reserved rooms
5) Exit
Choose the option: 4
             ----- View reserved rooms -----

Hotel id: 2

Reservation[id=7, hotelId=2, guest=Rutvij, 2026-01-01->2026-01-02, rooms=2]

Reservation[id=13, hotelId=2, guest=Chinnu, 2025-05-01->2025-05-03, rooms=1]


1) List hotels
2) Check available rooms
3) Make reservation
4) View reserved rooms
5) Exit
Choose the option: 5

*********************************************************** ThankYou For Using Hotel Reservation System!!! ***********************************************************
```

```
Choose the option: 3
                ***** Reserve a Room *****
 Enter Hotel id: 2

Enter Guest name: Chinnu
Check-in (yyyy-mm-dd): 2025-05-01
Check-out (yyyy-mm-dd): 2025-05-03
Enter How many Rooms You want to Reserve: 1


        ***** Stay Cost Details *****


+-----------------------------------------------+
| Hotel              | Mountain Inn             |
| Guest              | Chinnu                   |
| Rooms Reserved     | 1                        |
| Nights Stayed      | 2                        |
| Price per Night (₹) | 3500.00                 |
| Total Bill (₹)      | 7000.00                 |
+-----------------------------------------------+


Confirm booking (yes/no): yes
Reservation successful..........!
```

# THANK YOU