

# Hotel Reservation System

Welcome to the Hotel Reservation System, a Java-based application for managing hotel reservations efficiently. Whether you're running a small inn or a boutique hotel, this system simplifies the reservation process, enhances guest management, and keeps your business organized.

## Features

- **Reserve a Room:** Easily make new reservations by providing guest details, room numbers, and contact information.
- **View Reservations:** Get an overview of all current reservations, including guest names, room numbers, contact details, and reservation dates.
- **Edit Reservation Details:** Update guest names, room numbers, and contact information for existing reservations.
- **Delete Reservations:** Remove reservations that are no longer needed.

## Getting Started

### Prerequisites

- Java Development Kit (JDK)
- MySQL Database
- MySQL Connector/J (Java)

### Setup

1. Clone this repository to your local machine:

```
git clone https://github.com/aishwarya-0409/Hotel_Reservation.git
```

2. Configure your MySQL database settings in the HotelReservationSystem.java file:

```
private static final String DB_URL = "jdbc:mysql://localhost:3306/hotel_db";
private static final String DB_USER = "your_username";
private static final String DB_PASSWORD = "your_password";
```

3. Compile and run the application

4. Follow the on-screen menu options to use the system.

## Usage □

- Upon running the application, you'll be presented with a menu to choose your desired operation (reservation, viewing, editing, or exiting).
- Follow the prompts to input reservation details, view current reservations, edit existing bookings, and more.

## Contributing □

- Contributions are welcome! Feel free to open issues and pull requests for bug fixes, enhancements, or new features.

## Acknowledgments □

- Special thanks to all contributors and supporters of the Hotel Reservation System project.

## Happy booking! □

## OUTPUT :

```
HOTEL SYSTEM
1. Create a room
2. View Reservations
3. Get Room Number
4. Update Reservations
5. Delete Reservations
0. Exit
Choose an option: 1
Enter guest name: Aish
Enter room number: 24
Enter contact number: 9436429810
Operation successful!
```

```
HOTEL SYSTEM
1. Create a room
2. View Reservations
3. Get Room Number
4. Update Reservations
5. Delete Reservations
0. Exit
Choose an option: 1
Enter guest name: Rishi
Enter room number: 4
Enter contact number: 7658983427
Operation successful!
```

```
HOTEL SYSTEM
1. Create a room
2. View Reservations
3. Get Room Number
4. Update Reservations
5. Delete Reservations
0. Exit
Choose an option: 2
Current Reservations:
+-----+
| Reservation ID | Guest | Room Number | Contact Number | Reservation Date |
+-----+
| 1             | Aish  | 24          | 9436429810     | 2025-09-19 11:01:17 |
| 2             | Rishi | 4           | 7658983427     | 2025-09-22 21:13:56 |
+-----+
Choose an option: 2
Current Reservations:
+-----+
| Reservation ID | Guest | Room Number | Contact Number | Reservation Date |
+-----+
| 1             | Aish  | 24          | 9436429810     | 2025-09-19 11:01:17 |
| 2             | Rishi | 4           | 7658983427     | 2025-09-22 21:13:56 |
+-----+
```

```
HOTEL SYSTEM
1. Create a room
2. View Reservations
3. Get Room Number
4. Update Reservations
5. Delete Reservations
0. Exit
Choose an option: 5
Enter reservation ID to delete: 2
Operation deleted successfully!
```

```
HOTEL SYSTEM
1. Create a room
2. View Reservations
3. Get Room Number
4. Update Reservations
5. Delete Reservations
0. Exit
Choose an option: 2
Current Reservations:
+-----+
| Reservation ID | Guest | Room Number | Contact Number | Reservation Date |
+-----+
| 1             | Aish  | 24          | 9436429810     | 2025-09-19 11:01:17 |
| 2             | Rishi | 4           | 7658983427     | 2025-09-22 21:13:56 |
+-----+
```

```
HOTEL SYSTEM
1. Create a room
2. View Reservations
3. Get Room Number
4. Update Reservations
5. Delete Reservations
0. Exit
Choose an option: 0
Exiting System.....
Thank You For Using Hotel Reservation System!!!
Program ended with exit code 0
```