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Hotel Room Management System

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Department: Computer Engineering

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1. Introduction

This project is a Java-based console application named Hotel Room Management System, developed to

manage room-related information in a hotel, such as room number, bed type, occupancy, Aadhaar details,

availability, cleanliness status, breakfast inclusion, category, and price.

This software provides basic CRUD (Create, Read, Update, Delete) functionalities for hotel administrators to

manage hotel rooms efficiently using a simple command-line interface.

2. Technologies Used

- Java

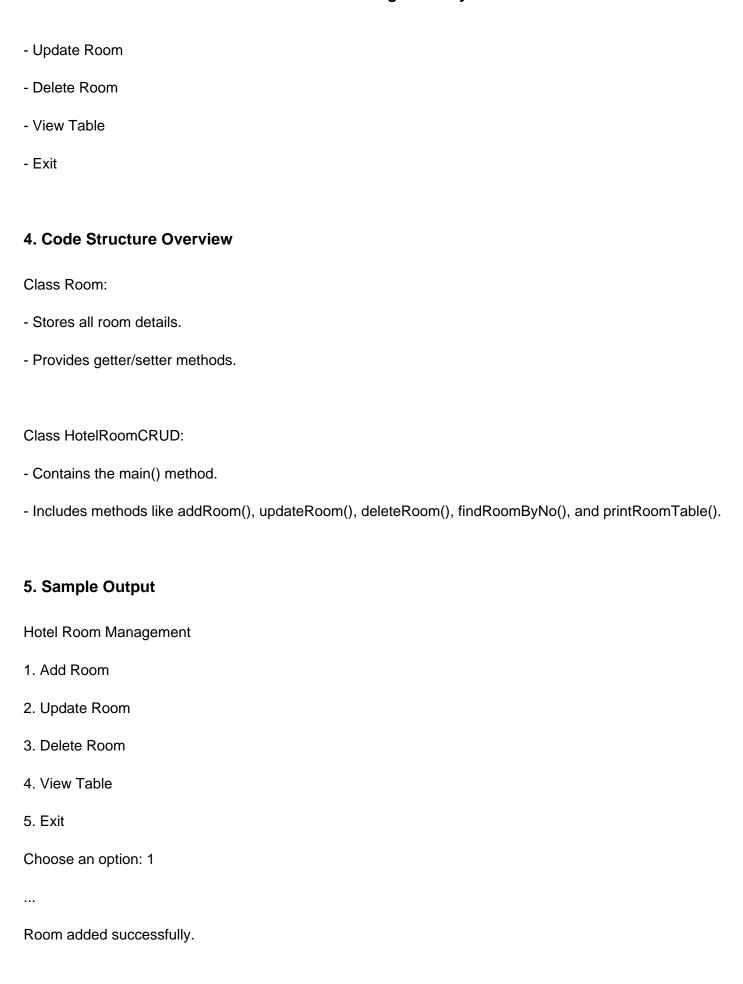
- Object-Oriented Programming

- Scanner Class

- ArrayList Collection

3. Functionalities Implemented

- Add Room



Room Table:
RoomNo BedType Occupancy Aadhaar Breakfast Cleaned Available Category Price
101 Double 2 123456789012 Yes Yes Yes Deluxe 3500.00
6. Benefits
- Simple interface for staff
- All room details in one table
- Real-time updates
- Practice for OOP in Java
7. Limitations & Future Scope
Limitations:
- No database
- CLI-based only
- No authentication
Future Enhancements:
- Add database support
- GUI using JavaFX or Swing
- User login roles
8. Team Members

- Preety Jadhav: Java Development, Testing

- Tavisha: Documentation, UI Design

- Maithili: Logic Design, Code Maintenance

9. Conclusion

This project demonstrates Java programming and hotel room management logic using OOP and Scanner input handling. It is a base for future GUI and database-integrated applications.