



DEPARTMENT OF COMPUTER SCIENCE

BCS 1 (A)

FINAL PROJECT REPORT OF PROGRAMMING FUNDAMENTALS

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SUBMISSION DATE: 12-JANUARY-2024

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PROJECT TOPIC: HOTEL RESERVATION SYSTEM

PROJECT REPORT:

This program helps manage reservations for a hotel. Here's what it does in easy words:

Features:

Booking a Room: You can select a room number to book. It checks if the room is available and reserves it if it's free.

Checking Room Availability: Shows a list of available rooms.

Displaying Booked Rooms: Tells how many rooms are booked and how many are available.

Cancelling a Reservation: If you booked a room and want to cancel it, you can do that by entering the room number.

Displaying Room Details: Shows some details about a specific room like its capacity, services, and price per night.

Modifying Reservation: Allows for modifying a reservation, but it doesn't change any details yet.

Generating Reservation Report: Gives a report showing which rooms are reserved.

How It Works:

You see a menu and choose what you want to do by entering a number from 1 to 10.

For example, if you pick "Book a room," it asks for the room number you want to book.

If a room is already booked and you try to book it again, it says it's already booked and asks you to try another room.

It keeps track of which rooms are booked or available using a list.

Conclusion:

This program makes it easy to manage hotel reservations. It helps in booking, cancelling, and checking room availability. This system can be improved by adding

more features like editing reservations and adding more details about rooms.
Overall, it's simple and helpful for basic reservation tasks.
