

Hotel Reservation System

Hadia Farid	25021519-149
Tazeem Farid	25021519-241

Description

This project is a simple hotel reservation system developed in C++. It helps manage room bookings, cancellations, and displays available rooms.

Features:

- Add new bookings.
- Cancel bookings with username and room key verification.
- Display available rooms dynamically.
- Show all existing reservations.
- Calculate total dues automatically based on number of nights.

Tools used:

- Programming language : C++
- Compiler used: VS code
- File handling CSV files (“Reservations.csv”)

Working:

1. **Menu:** User is presented with a menu (Add Booking / Cancel / Rooms / See Reservations / Exit).
2. **For adding booking:** user enters room number, name, key, and number of nights → system calculates dues and stores info in CSV.

3. **For canceling booking:** user enters room number → verification required → booking is removed from CSV.
 4. **Available rooms** are shown by checking the CSV and listing unbooked rooms.
 5. **See reservations:** displays all current bookings from CSV.
-