

HOTEL MANAGEMENT SYSTEM

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PROJECT CHOICE AND ITS UTILITIES



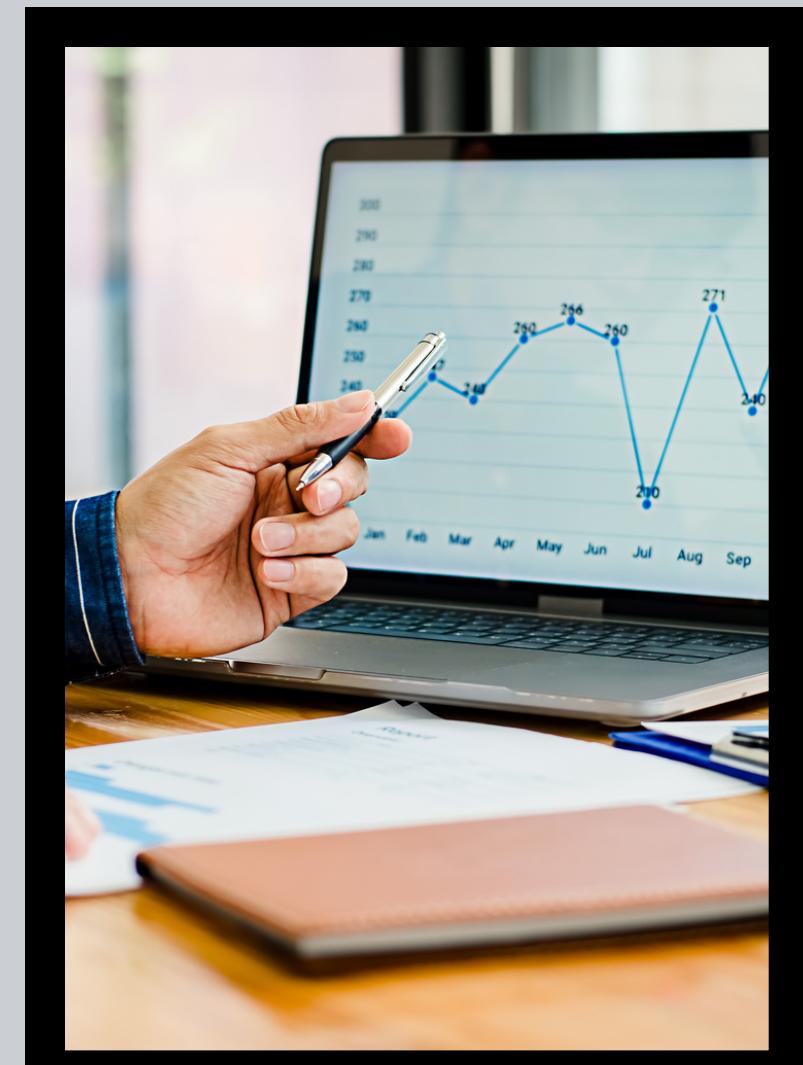
Real-World Applications

These systems are widely used in the hospitality industry & this program can be easily modified to meet the needs of any hotel.

```
4 # Prevent database truncation if the seed fixtures are used
5 abort("The Rails environment is running in production mode!")
6 require 'spec_helper'
7 require 'rspec/rails'
8
9 require 'capybara/rspec'
10 require 'capybara/rails'
11
12 Capybara.javascript_driver = :webkit
13 Category.delete_all; Category.create!
14 Shoulda::Matchers.configure do |config|
15   config.integrate do |t|
16     t.with.test_framework :rspec
17     t.with.library :rails
18   end
19 end
20
21 # Add additional requires below this line
22
23 # Requires supporting files with custom matchers and helpers
24 # in spec/support/ and its subdirectories
25 # run as spec files by default. This means you can run
26 # in _spec.rb will both be required and run
27 # run twice. It is recommended that you name
28 # nation on the command line or in
# results found for 'mongoid'
```

Integration of OOP Concepts

Concepts like Classes, Encapsulation, Abstraction, Polymorphism and Databasing are used.



Scope of our Project

There is an endless scope for this project as it can cover all aspects for the management of a hotel.

LANGUAGE USED

IDE USED

C++

QT CREATOR



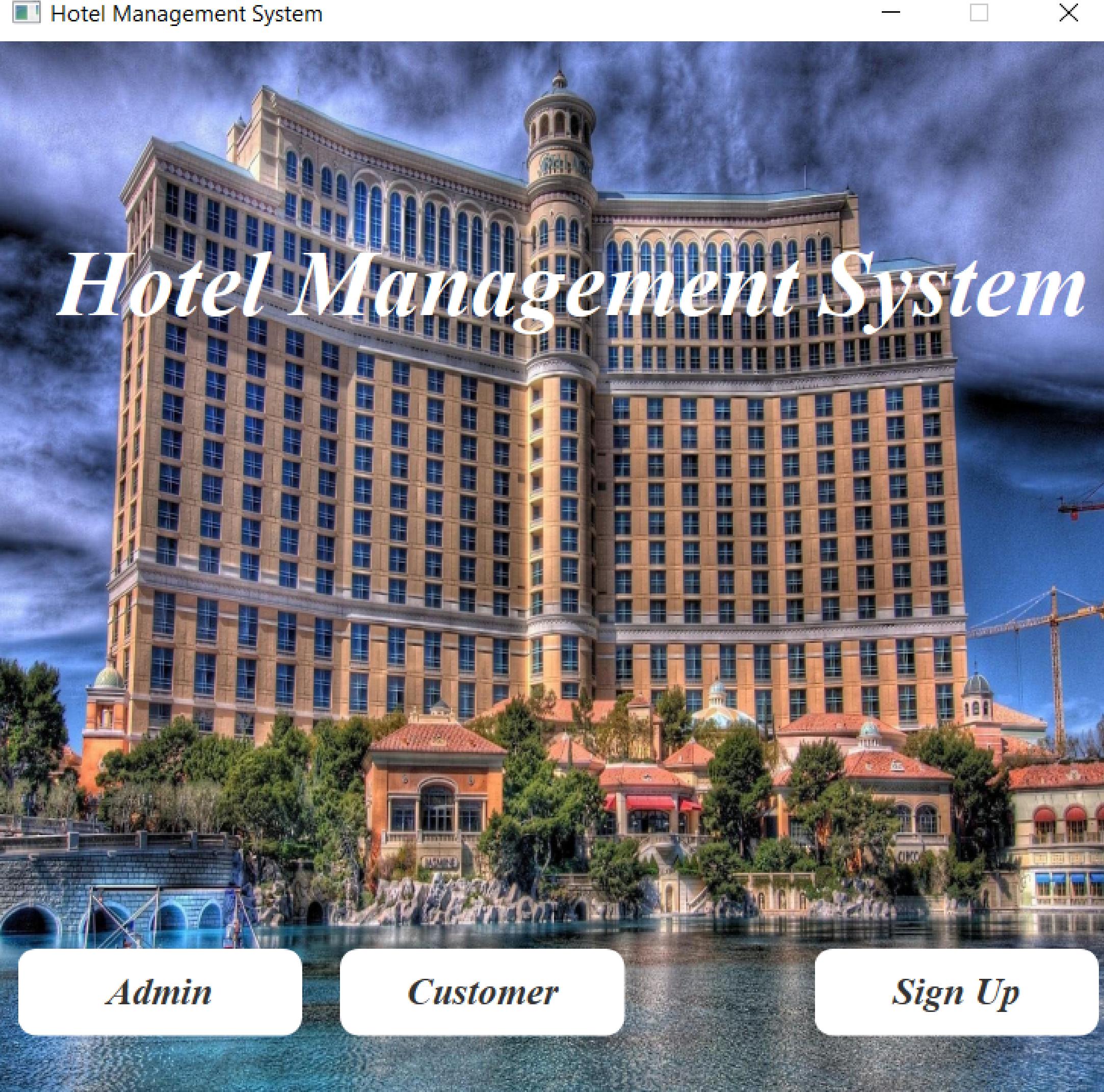
PROJECT FLOWCHART

PORTALS

ADMIN

CUSTOMER

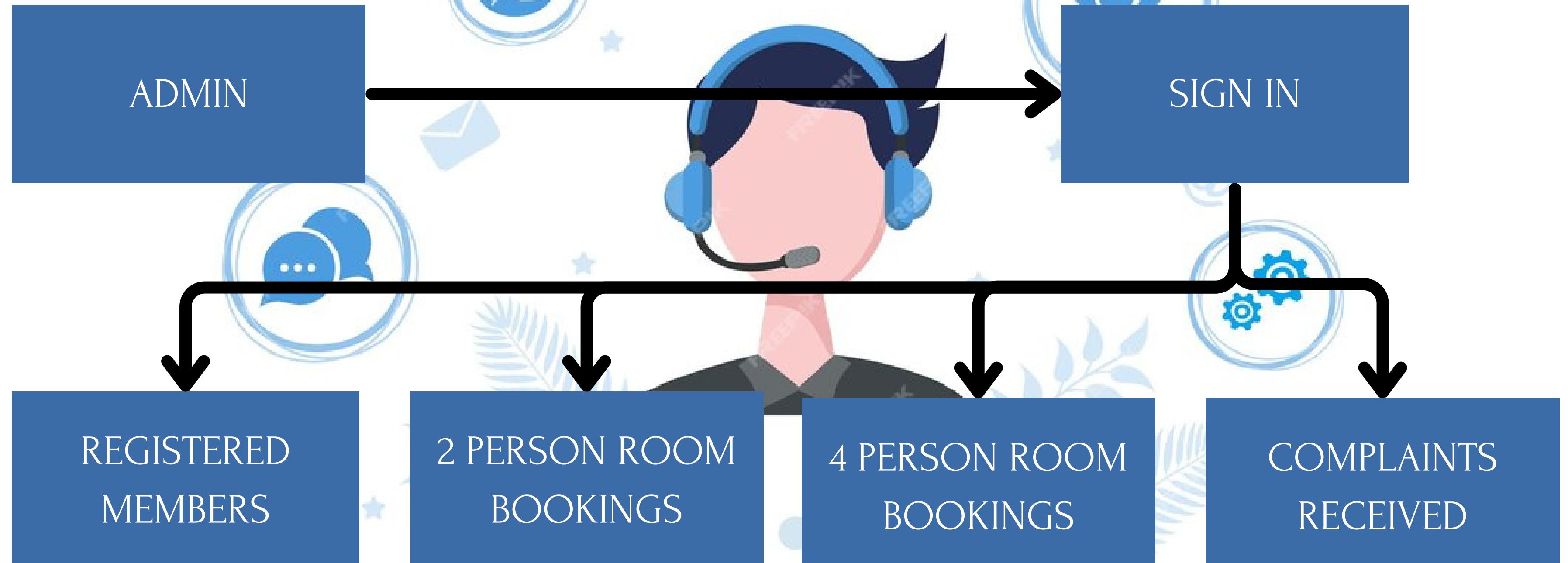




Admin

Customer

Sign Up



CUSTOMER SERVICE

Admin Portal

User Name

Password

Login

Back

MainWindow

Admin Page

Registered Members

Bookings of 4 Person Rooms

Bookings of 2 Person Rooms

Complaints

Back

Complaints

Registered Members

Name	CNIC	Phone	Email
Umer	3130351522421	03083291997	uf737735@gm...
Umer Haroon	12345678987	98765434567	qwertyu@sdfgh...
Hassan Akram	23456765	345678765	hasna2@gmail....
Umer	1234567	12345678	genralumer@h...
Umerr	123456	12345678	genralumer123...
Umer	123456	1234567	genralumer@h...
khizer	12345678	123456789	khizer@gmail.c...
Umer	1234567	12345678	genralumer123...
Qazi	313432345432	0234567898	qwertyu@asdfg...
Asghar	1234567	09876543	ugdyedgfe@ug...
Asghar	12345678	07765432	ugdyedgfe@ug...

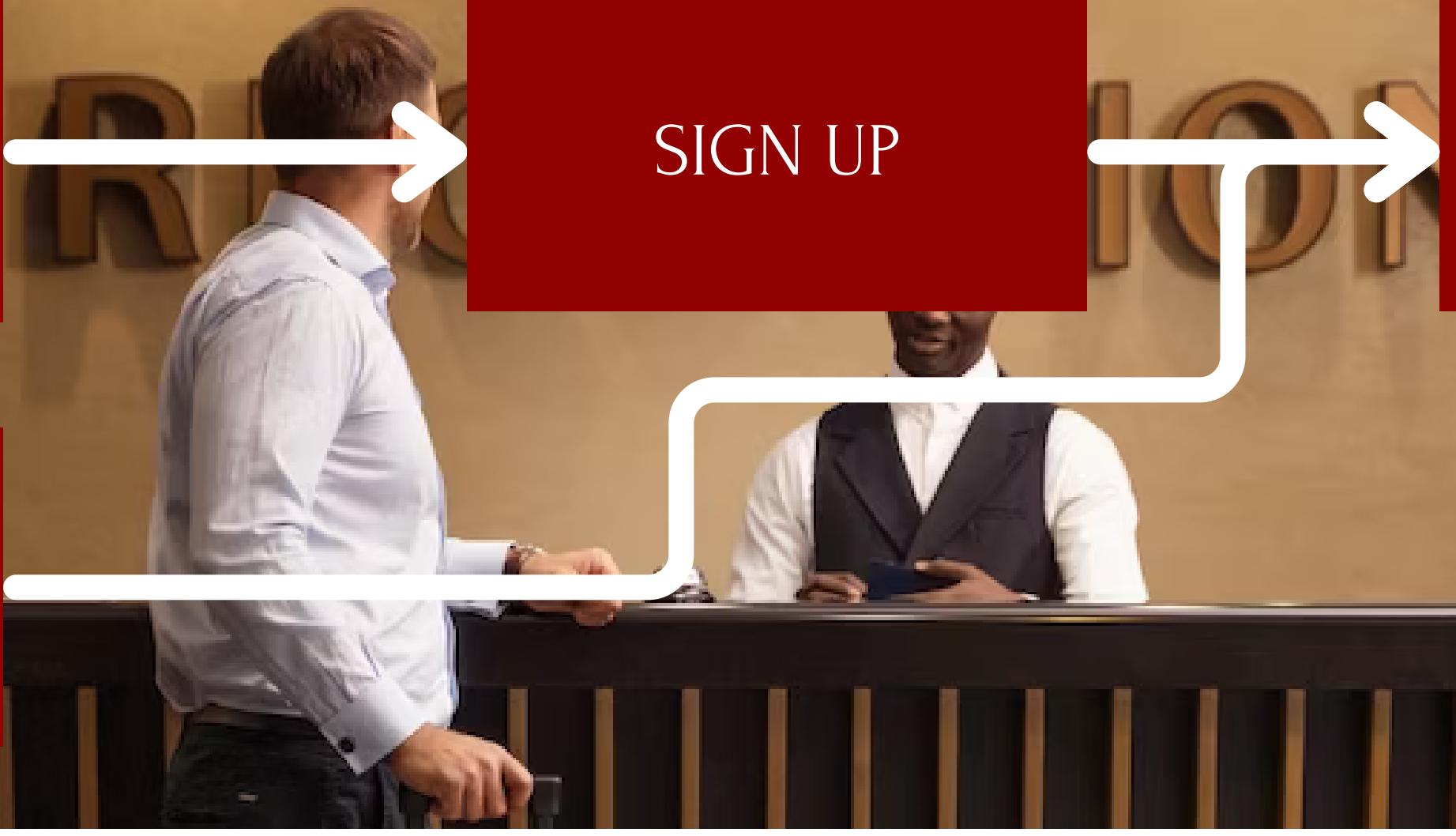
ID	Name	Complaints
1	Umer	Your hotel rooms are not worth their price kindly lower the ...
2	sbxs	HBCSB
3	Umerr	niondejcjnsdw
4	Asghar	Garam paani nahi a rahah
5	Aqeel	hello brother how are you. I hope this complaint finds you well

Back

Back

Transactions

ID	Name	Age	Days	Total Rent
1 1	Umer Haroon	18	4	300
2 2	Hassan Akram	21	3	225
3 3	khizer	20	2	150
4 4	Asghar	18	365	27375
5 5	Asgharr	19	4	300



NEW CUSTOMER

SIGN UP

SIGN IN

PRE-EXISTING
CUSTOMER

RESERVATION
CENTRE

COMPLAINT
CENTRE

ROOM
BOOKING

BOOKING
DETAILS

DOWNLOAD
RECEIPT



Sign In

If you don't have an account, then sign up first

Name

Password

Submit

Name

Password

Confirm Password

CNIC

Phone No.

Email Id

Submit

Back

Reservation Center

Room Booking

Complaint Center

Back

Book Your Own Room

Booking for 2 People

Room No.1 Room No.5
Room No.2 Room No.6
Room No.3 Room No.7
Room No.4 Room No.8

Room No.9 Room No.13
Room No.10 Room No.14
Room No.11 Room No.15
Room No.12 Room No.16

Booking for 4 People

Room No.1 Room No.5
Room No.2 Room No.6
Room No.3 Room No.7
Room No.4 Room No.8

Room No.9 Room No.13
Room No.10 Room No.14
Room No.11 Room No.15
Room No.12 Room No.16

Reservation

need to complete the payment in order to reserve the room

Rent Per Day for a 2 person room is 50\$

Name

Age

No. of Days

Submit

 Hotel Management System X

 Do you want to download your receipt?

Yes No

Hotel1 Booking Confirmation

Bookings for 2 Person Room

Name: Umer

Age: 22

Number of Days: 3

Total Rent: \$150

Complaint Center

Submit a complaint; express your concerns briefly.

Name

Submit Complaint

Back

QRegular Expression

LIBRARIES USED IN QT

QT SQL

QMessage Box

QSql Query

QDebug

QCore Application

QFileInfo

QPrinter

QPainter

QFileDialog

PROJECT FOLDER TREE

HEADER FILES

SOURCE FILES

UI FILES/FORMS

RESOURCE FILES



Popular repositories

[Hotel-Management-System](#)

Public



Repositories

Find a repository...

Type ▾

Language ▾

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[HTTPS://GITHUB.COM/SERENE-VIEW-SUITES/HOTEL-MANAGEMENT-SYSTEM](https://github.com/Serene-View-Suites/Hotel-Management-System)



UmerFarooq2003 Umer Farooq

An experienced Website Developer and Designer currently doing Electronics Engineering from NUST. I have a lot of experience in building and designing Websites!!

Islamabad

Member of [Serene-View-Suites](#)



Top languages



README MIT license

Hotel-Management-System

Developing a Hotel Management System using OOP principles in Qt C++. Features include reservation handling, room management, guest services, and billing functionality for efficient and user-friendly hotel operations.

How to run this project:

Download Qt Creator and run it in your pc.

Download Sqlite and include it in environmental variables.

Clone this github repository.

Open repository files in Qt Creator.

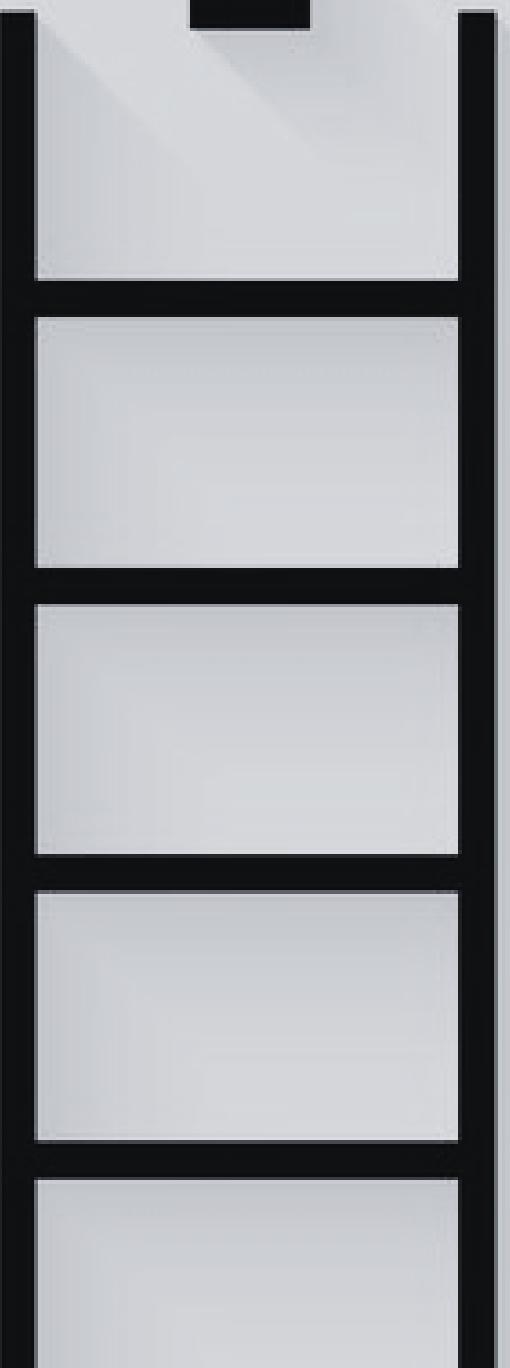
Include database files in your required directories.

Run the program.

REFERENCES USED

- [HTTPS://WWW.YOUTUBE.COM/WATCH?V=DCHGFN_FUDQ](https://www.youtube.com/watch?v=DCHGFN_FUDQ)
- [HTTPS://WWW.YOUTUBE.COM/WATCH?V=HHIS_P3RY9W](https://www.youtube.com/watch?v=HHIS_P3RY9W)
- [HTTPS://WWW.YOUTUBE.COM/WATCH?V=OOVNT-KJ96W](https://www.youtube.com/watch?v=OOVNT-KJ96W)

IF YOU HAVE ANY QUESTIONS, PLEASE
REFRAIN FROM ASKING THEM.
(EXCEPTION FOR MA'AM AYESHA)



THANK YOU!
THANK YOU!
THANK YOU!