
.. Silver Moon..

Team members

Youssef Ahmed M ohmed Farag (202404233)

Malak Mohamed El-Sayed(202401144)

Samaa Nasser Tawfik (202402547)

Habiba Mohamed Wael 202401080

Software Requirement Specification (SRS):

- # Loocation : Our hotel is located in Türkiye.

#Design for hotel:

- The hotel consists of 4 floors.
- Each floor consists of 10 rooms.

#Booking system:

- We have 2 booking options, single rooms for 2500 and double rooms for 3500.

- We have two views, one on the sea for an additional 3000 and the other on the pool for an additional 2000

#Some details:

- Internet is available in all rooms.
- Open buffet breakfast and lunch are included in the room rate.
- These prices are for 4 days and 3 nights.
- You can book online using Visa or cash, but there is a deposit.

#Support:

- Choose the one that suits you and save it. You will find your ticket on the website.
- OUR NUMBERS:

- OUR HOTLINE:

#Problem Statement:

In today's fast-paced world, hotel reservation processes have shifted significantly from traditional in-person or phone bookings to online systems. Hotels that still rely on manual booking face numerous challenges such as double-bookings, delays in updating room availability, poor customer experience, and potential revenue loss.

Thus, there is a need to develop an automated Hotel Reservation Management System that can:

- Facilitate easy and efficient room booking, modification, and cancellation.
- Automatically manage room availability and booking schedules.
- Enhance the customer experience by providing a fast, flexible, and user-friendly reservation process.
- Enable hotel staff and management to monitor reservations, payments, and generate reports securely and systematically.

The proposed system will be a web-based or desktop application that allows customers to book rooms online and hotel staff to manage reservations, payments, and reports, thus improving operational efficiency and customer satisfaction.

Structure of a Good Problem Statement:

- **Problem Definition:** Difficulty in manual booking management.
- **Importance of the Solution:** Improve efficiency and user experience.
- **Proposed System Description:** What features the system will offer.
- **Target Users:** Customers and hotel management.

Hotel Reservation Management System - Project Daily Plan

#Gantt Chart:

Starting Date: 29/4/2025 **Deadline:** 15/5/2025

Date	Task	Details	Working Hours
29/4	Draw Use Case + Activity + Sequence Diagrams	Complete Use Case Diagram, Activity Diagram, and Sequence Diagram	3 hours
30/4	Draw Class + Object + State + DFD Diagrams	Complete Class Diagram, Object Diagram, State Diagram, and Data Flow Diagram	3 hours
1/5	UI Design	Sketch login, room display, and booking pages	3 hours
2/5	Database Development	Create Rooms, Users, Bookings tables	3 hours
3/5	Coding: Login & Registration Screens	Build Login and New User Registration interfaces	3 hours
4/5	Coding: Room Display Page	Develop the available rooms display page	3 hours
5/5	Coding: Booking and Cancellation	Implement room booking and cancellation functionality	3 hours
6/5	Connect Frontend to Database	Integrate UI with backend database (SQL/Entity Framework)	3 hours

Date	Task	Details	Working Hours
7/5	System Testing & Prototype Preparation	Test the system and prepare initial working prototype	3 hours
8/5	Debugging and Code Enhancement	Fix bugs and improve coding structure	2-3 hours
9/5	Final Project Report Writing	Collect all diagrams, SRS, code snippets, and screenshots	3 hours
10/5	Final System and Report Review	Review the entire system and documentation	2 hours
11/5	Optional Improvements	Add extra features (e.g., security, validations)	2 hours
12/5	Free Day (Backup/Delay Buffer)	Use if needed for any delays or rest	-
13/5	Organize Files and Prepare for Submission	Final arrangement of project files and documents	2 hours
14/5	Backup Creation and Final Check	Backup everything and do a final review	2 hours
15/5	Project Submission	Submission day	-

(End Gaint chart)

Hotel Reservation Management System - PERT Chart

Project Title: Hotel Reservation Management System

Starting Date: 29/04/2025

Deadline: 15/05/2025

PERT Chart Tasks

ID	Task	Predecessor(s) (Days)	Duration
1	Requirement Gathering & System Analysis	-	1
2	ER Diagram	1	1
3	Use Case, Class, Sequence, Activity Diagrams	2	2
4	Finalize Diagrams & Internal Review	3	1
5	Database Schema Design	4	1
6	Set Up Development Environment	5	1
7	User Authentication Module (Login/Signup)	6	1
8	Admin Panel Setup (Basic Dashboard)	7	1

ID	Task	Predecessor(s)	Duration (Days)
9	Reservation Management Module (Booking System)	8	2
10	Room Management (Add/Edit Rooms)	9	1
11	Payment Integration (Basic Setup & Completion)	10	2
12	Testing - Functional Testing	11	1
13	Testing - User Acceptance Testing (UAT)	12	1
14	Bug Fixing and Final Improvements	13	1
15	Project Report Documentation & Final Submission Prep	14	1

Critical Path

1 -> 2 -> 3 -> 4 -> 5 -> 6 -> 7 -> 8 -> 9 -> 10 -> 11 -> 12 -> 13 -> 14 -> 15

Total Duration: 17 days (matches the calendar schedule)

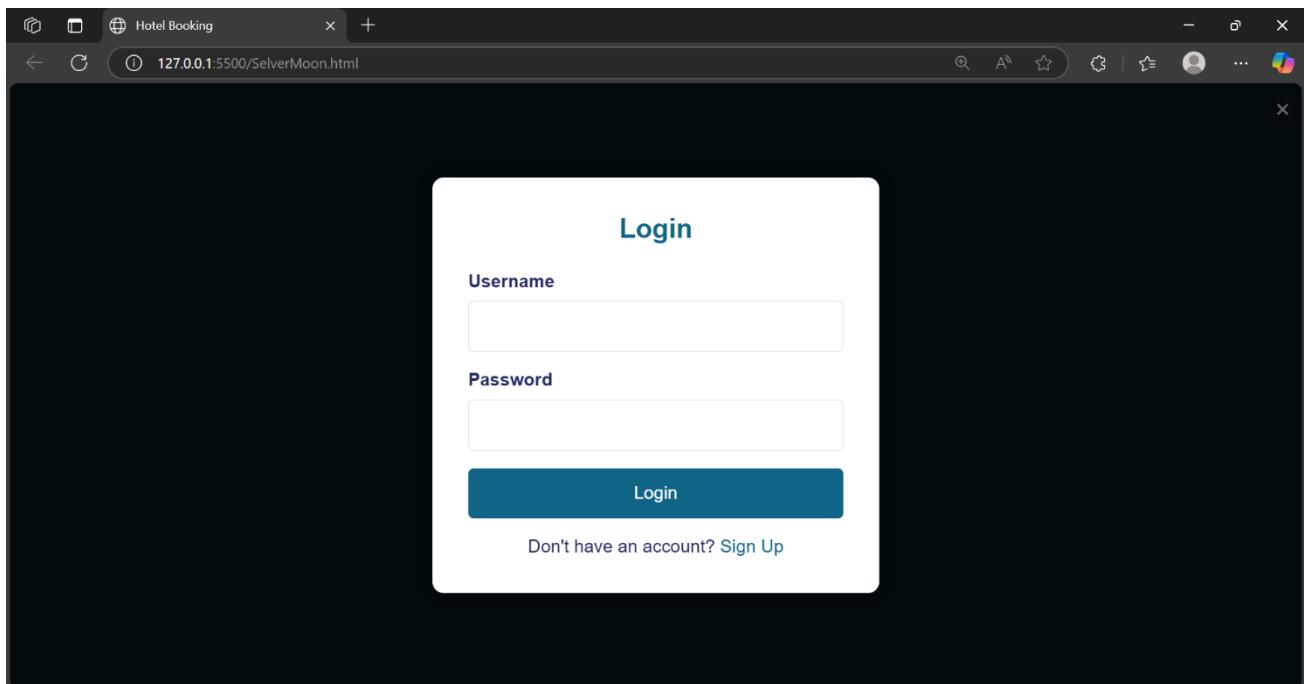
Notes:

- Focus especially on Tasks 2 and 3 due to their complexity.
 - Daily progress reviews are highly recommended.
 - Backup all work after major milestones (e.g., diagrams, database design, each module completion).
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(End of PERT Chart)

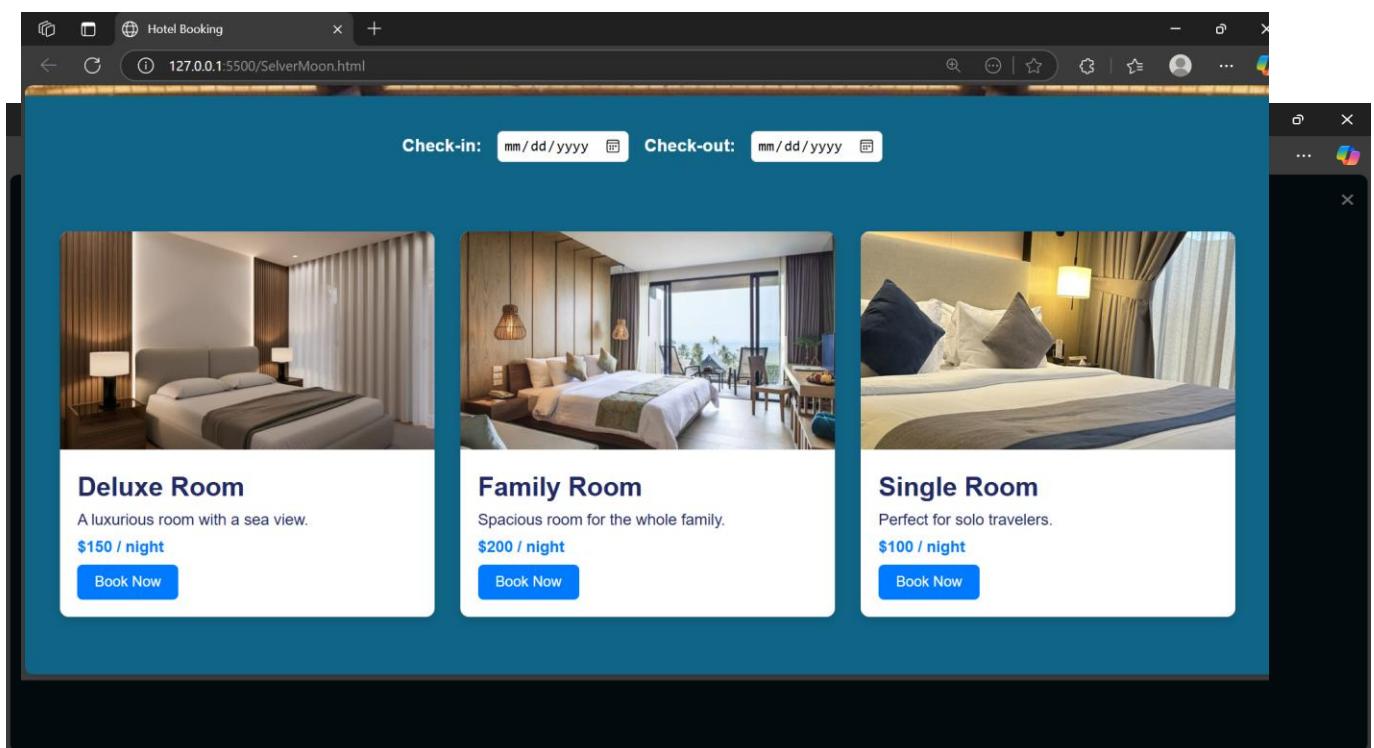
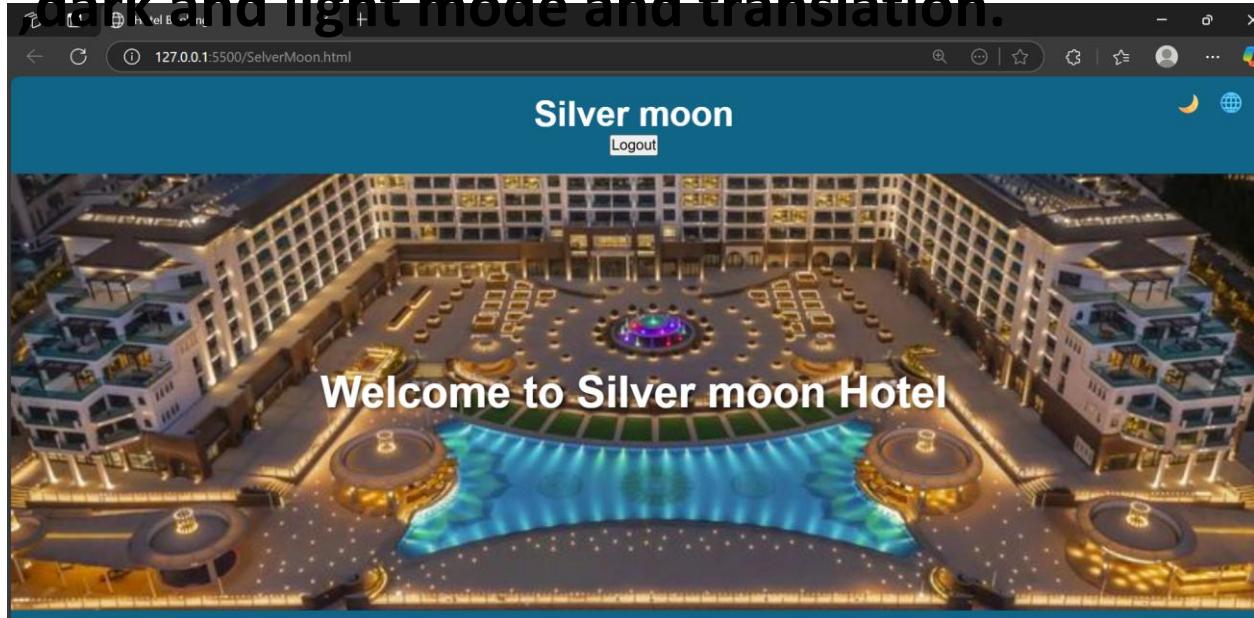
Outputs from (Back&Front end)

1.Open website with live server , Log in in website to open it .



2.Home page

Home page appear after log in this a website from one page and have an interactions , Gui dark and light mode and translation.



3.Hotel booking steps

1. Put check in , check out dates

Check-in:

mm / dd / yyyy

Check-out:

mm / dd / yyyy



Deluxe Room

A luxurious room with a sea view.

\$150 / night

[Book Now](#)



Family Room

Spacious room for the whole family.

\$200 / night

[Book Now](#)



Single Room

Perfect for solo travelers.

\$100 / night

[Book Now](#)

2 . Choose a type of room

3. Accept for booking

Thank you

Booking Ticket: Room: Family Check-in: 2024-03-22 Check-out: 2024-03-30

OK

Deluxe Room
A luxurious room with a sea view.
\$150 / night
Book Now

Family Room
Spacious room for the whole family.
\$200 / night
Book Now

Solo Room
Perfect for solo travelers.
\$100 / night
Book Now