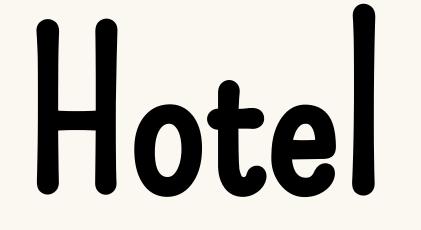
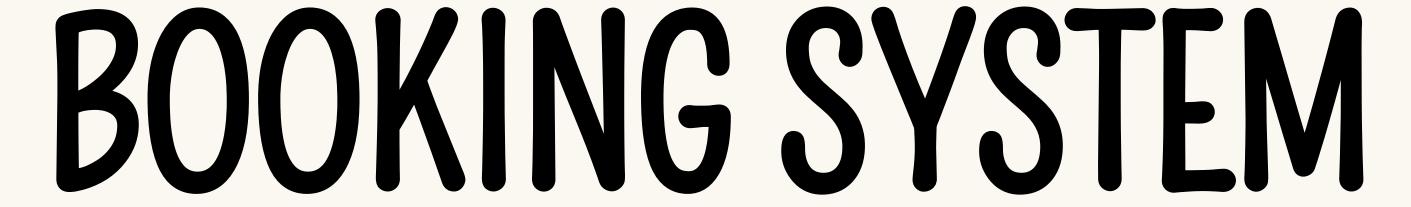
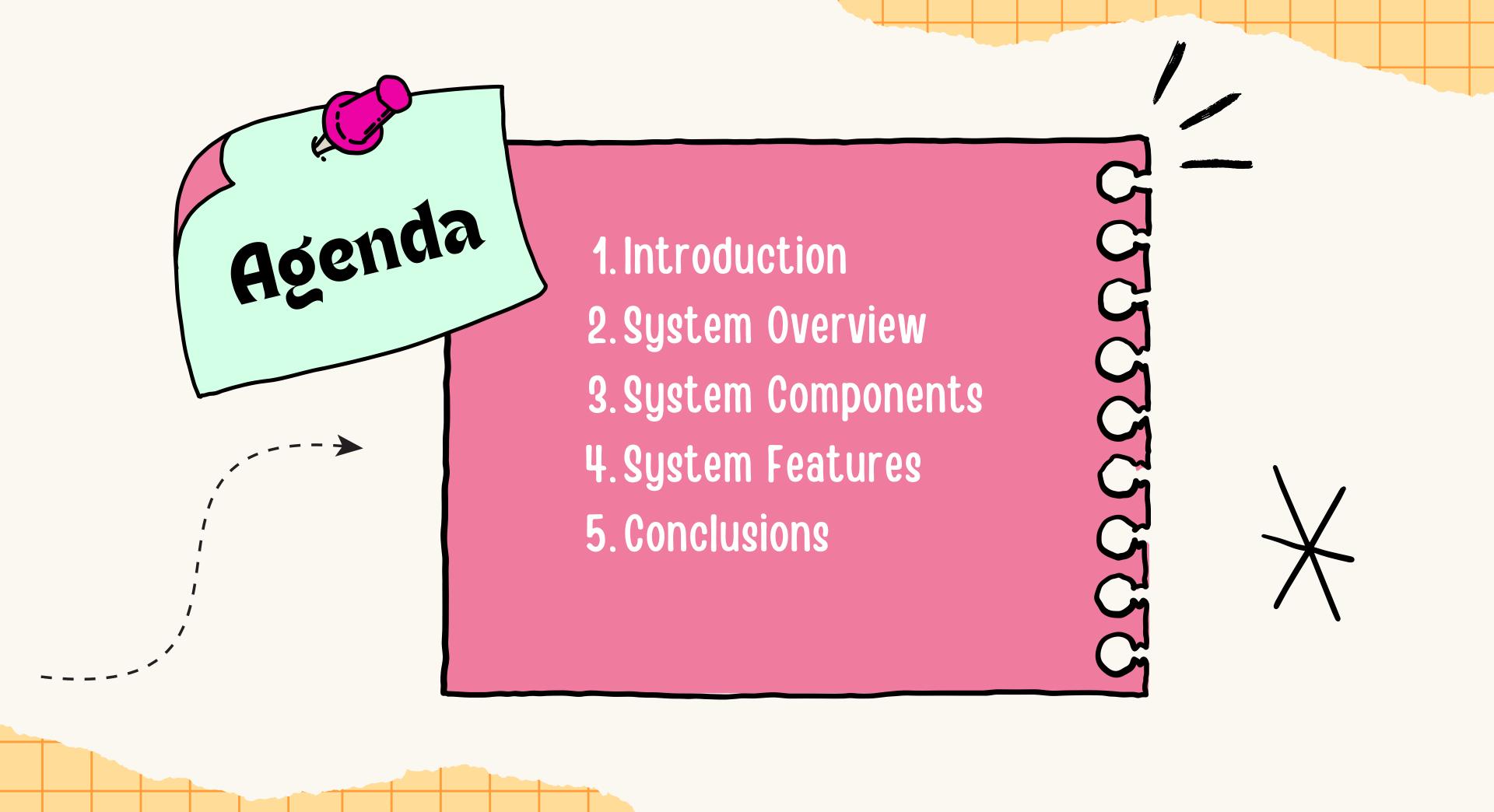
By Romisaa Fadel

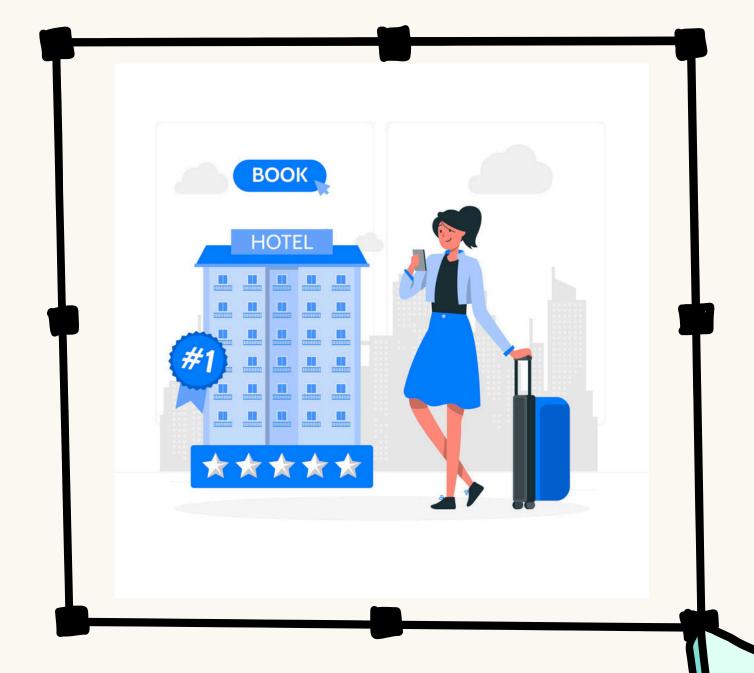






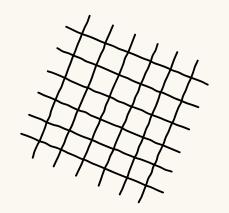






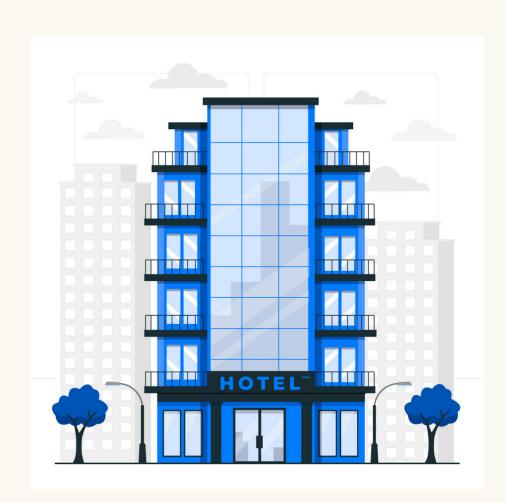
Introduction

- Hotel Booking System is a simple system for managing and booking hotel rooms.
- It allows users to view available rooms, make reservations, and cancel bookings easily.
- Built using Dart with Object-Oriented
 Programming (OOP) for efficiency and organization.



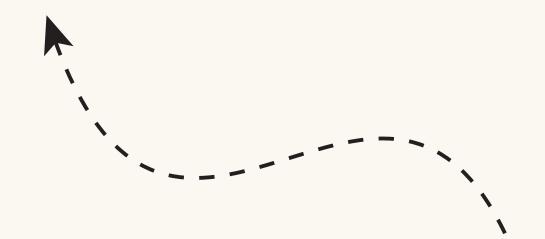


System Overview



The Hotel Booking System is a structured solution for managing hotel room reservations. It follows an object-oriented approach using Dart to ensure efficient booking management.

The system operates through a Command Line Interface (CLI).



Hotel

 Manages a collection of rooms and provides room availability.

SYSTEM COMPONENTS

User

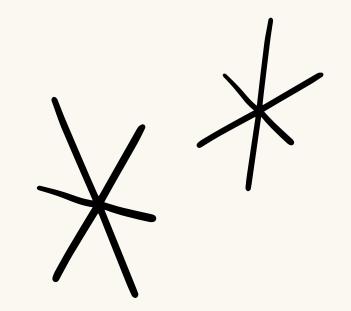
 Allows users to make and cancel room bookings

Room

 Represents an individual room with a price and availability status.

Booking

 Stores reservation details, linking a user to a booked room.



System Features



The Hotel Booking System offers essential features to simplify room reservations and management:

- View Available Rooms Displays a list of rooms that can be booked.
- Book a Room Allows users to reserve a room if it is available.
- Cancel a Booking Enables users to cancel their reservations.
- Track Room Availability Updates room status automatically after booking or cancellation.
- User-Friendly CLI Interface Simple and interactive command-line interface for easy use

GitHub & Contact



You can check out the full code on GitHub through the following link:





For any questions or feedback, feel free to reach out:





CONCLUSIONS

Effective booking management is essential for any hotel, and this system provides a simple yet powerful solution. By combining efficiency, flexibility, and scalability, the Hotel Booking System lays the groundwork for a more advanced and automated reservation system in the future.

But this is just the beginning! With further enhancements, this project can evolve into a complete hotel management solution—integrating payment systems, user authentication, and even Al-powered booking recommendations.

