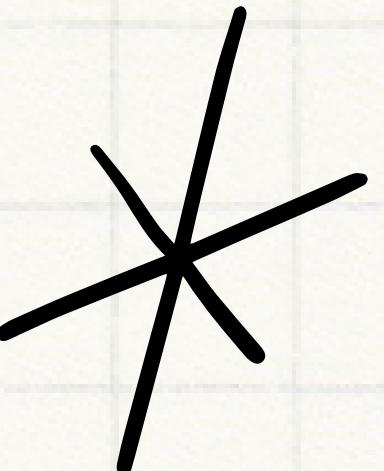
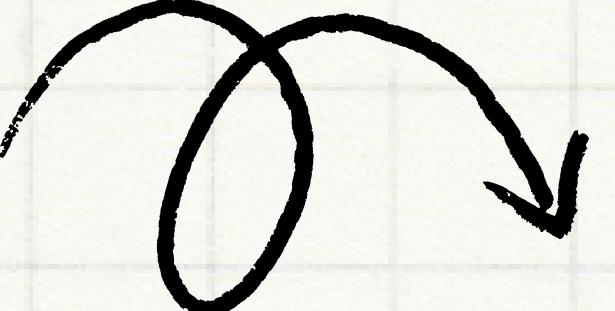


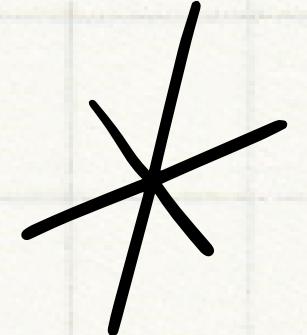
# Hotel Management System

With Online Payment and  
Google Recapcha

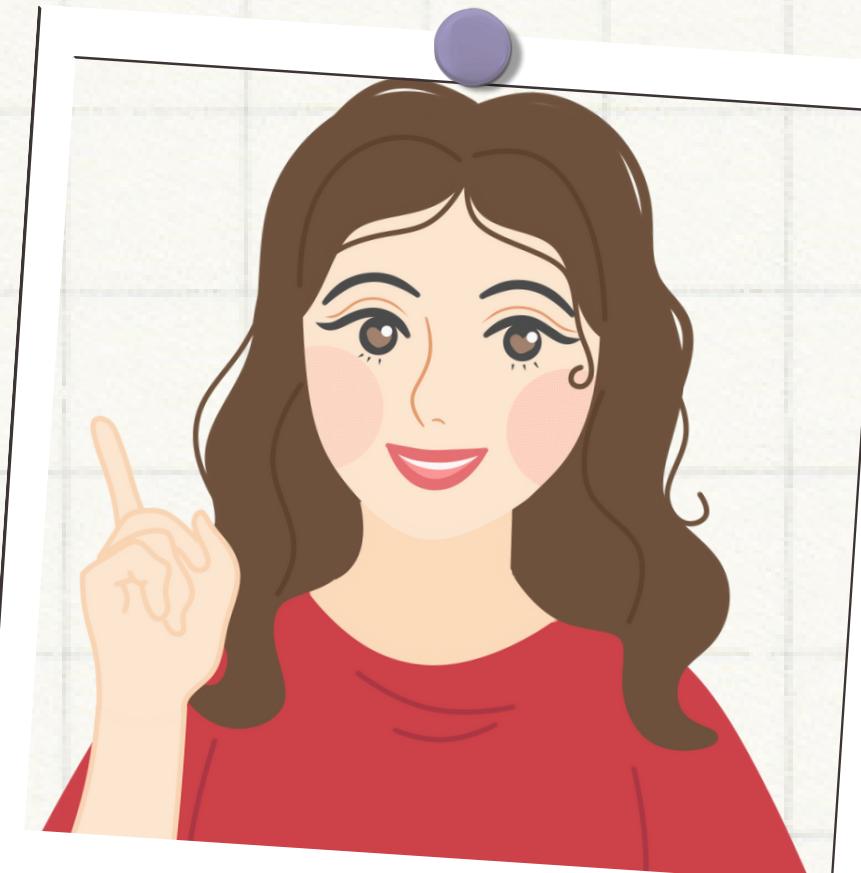




# The team



Arnel P. Tagupa  
Project manager



Trisha Ann Barneso Pelonis  
Project manager



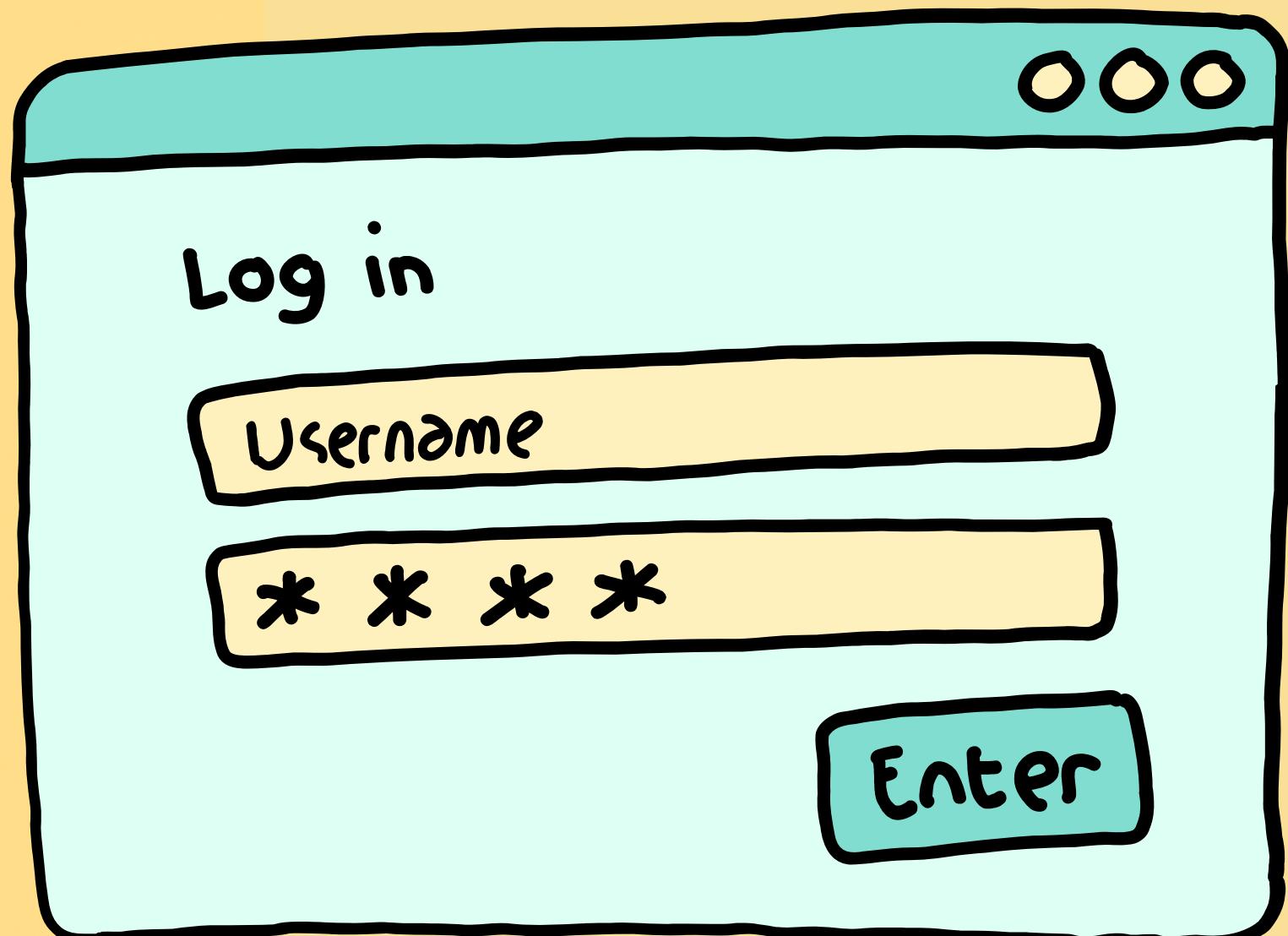
Alma Tandoy  
Project manager

# Short Description

The main objective of a hotel management system (HMS) is to automate and streamline many elements of hotel operations .It helps hotels and restaurants become more profitable by increasing efficiency and enhancing the client experience. The functionalities a hotel management system are as follows:

# User Login & Registration

1. allow users to create accounts and log in securely. Store user information's name, contact number, and photo.





## Hotel Booking

2. allows users to book and search for available rooms.

# Online Payment

3.allows user to pay online using Stripe.





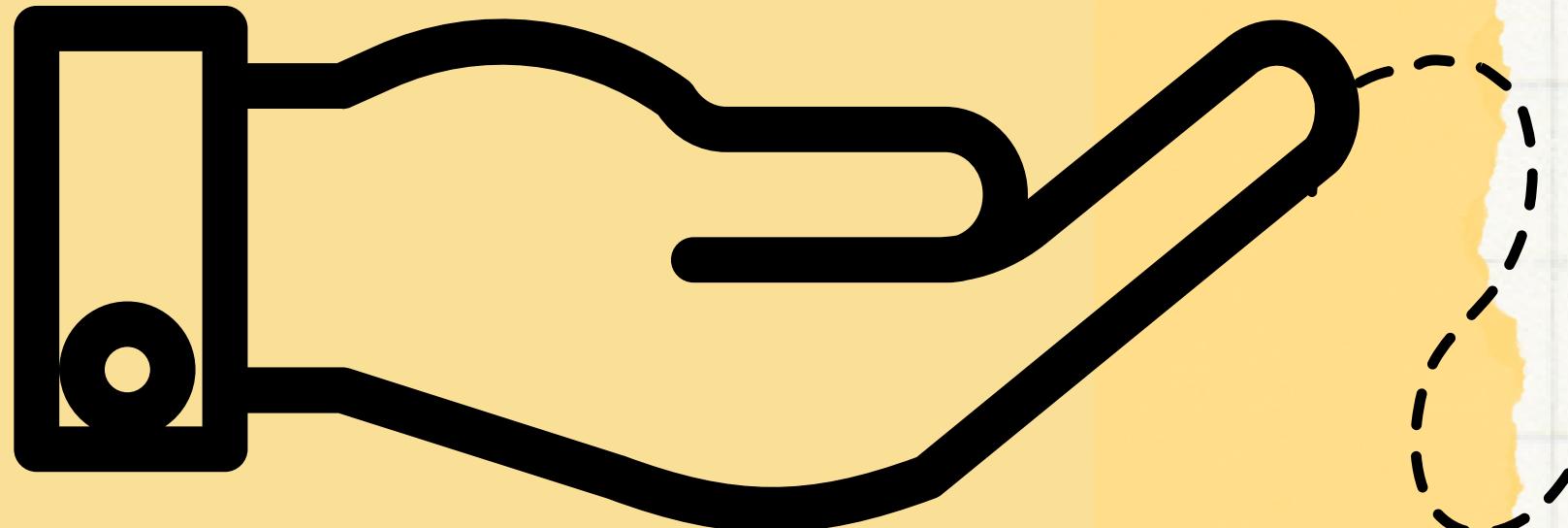
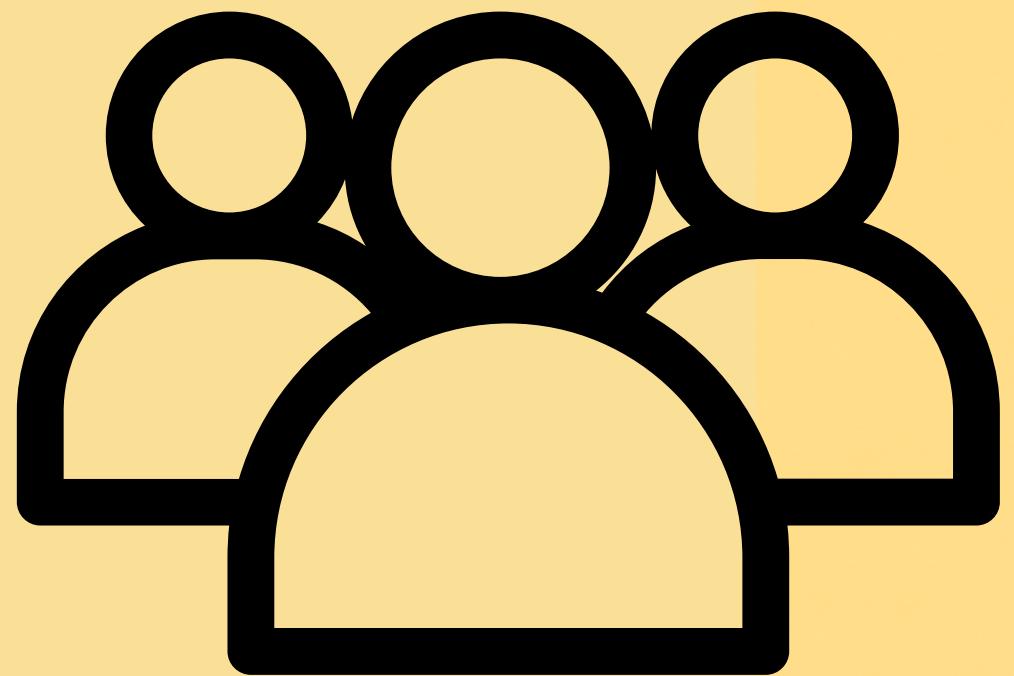
## Add Rooms

4. allows the hotel to add new rooms to its inventory. This could be necessary for a variety of reasons, such as if the hotel is expanding its capacity or if it is adding new room types.

## Add RoomType

5.allows the hotel to add new room types to its inventory. This could be necessary if the hotel is adding new amenities or if it is targeting new customer segments.



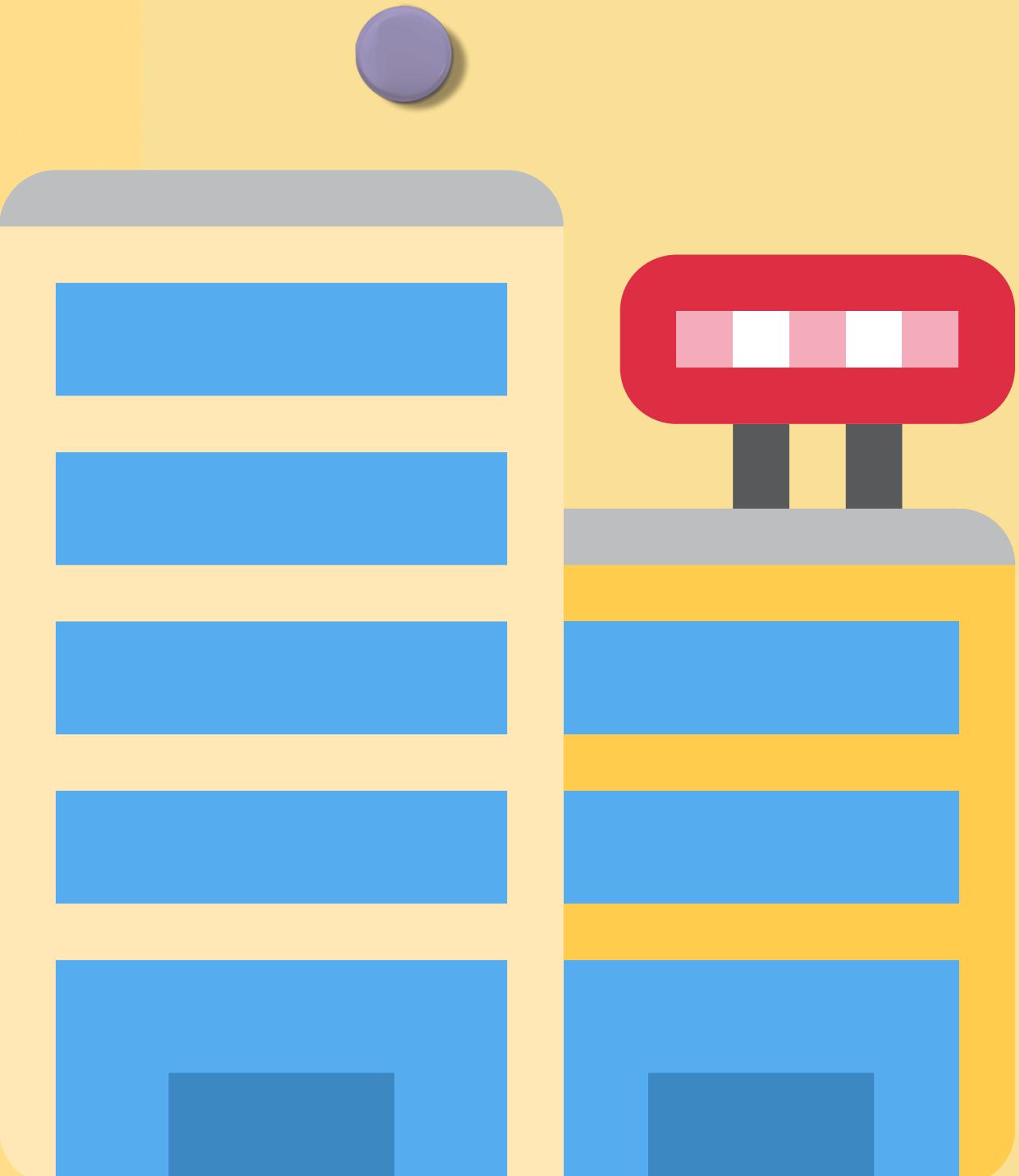


## Add Customer

6. allows the hotel to add new customers to its database. This is important for tracking customer reservations and preferences.

## Add Department

7. allows the hotel to add new departments to its organizational structure. This could be necessary if the hotel is expanding its operations or if it is creating new teams to focus on specific tasks.





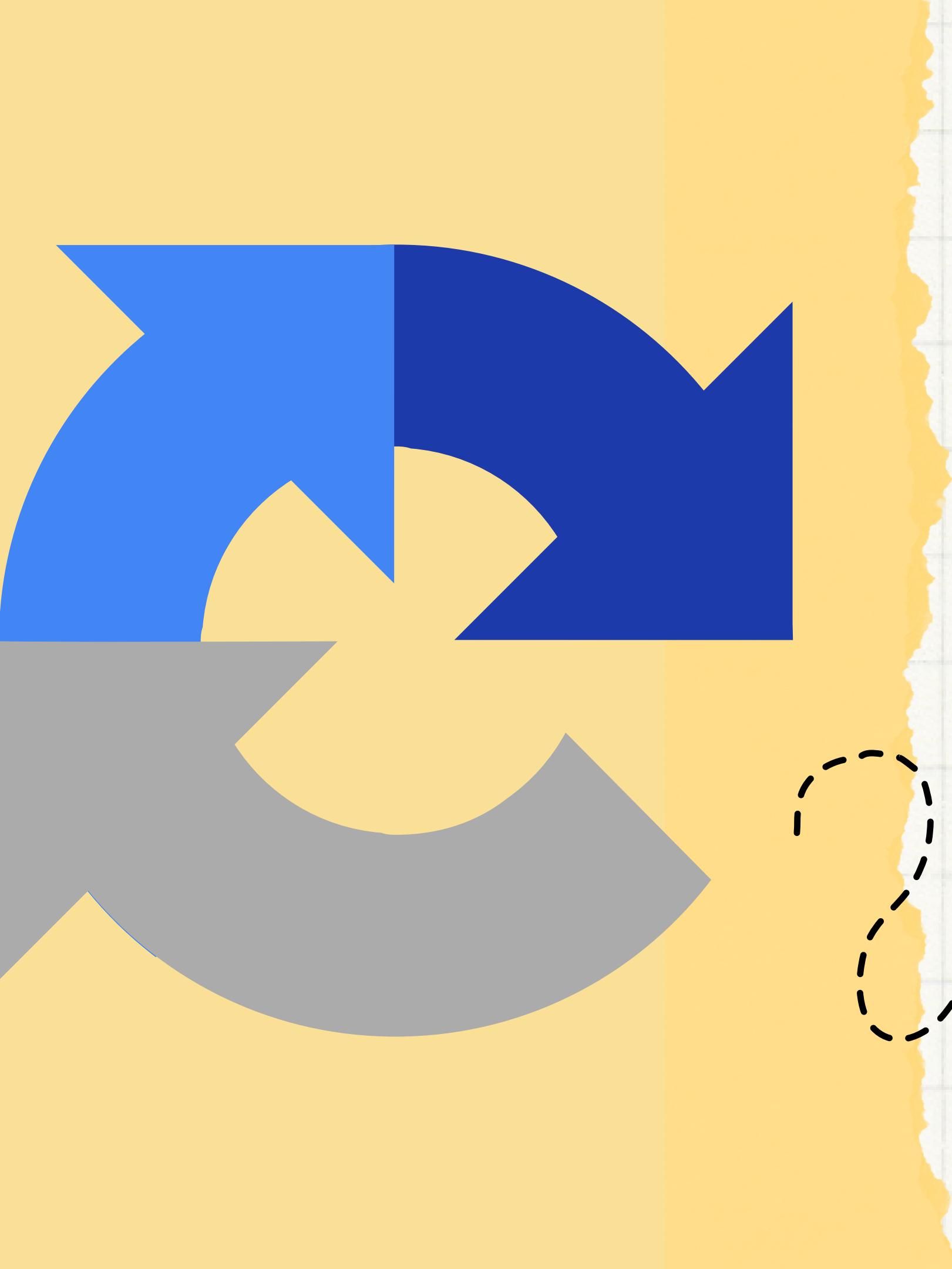
## Add Staff

8. allows the hotel to add new staff members to its workforce. This is important for tracking staff schedules and responsibilities.

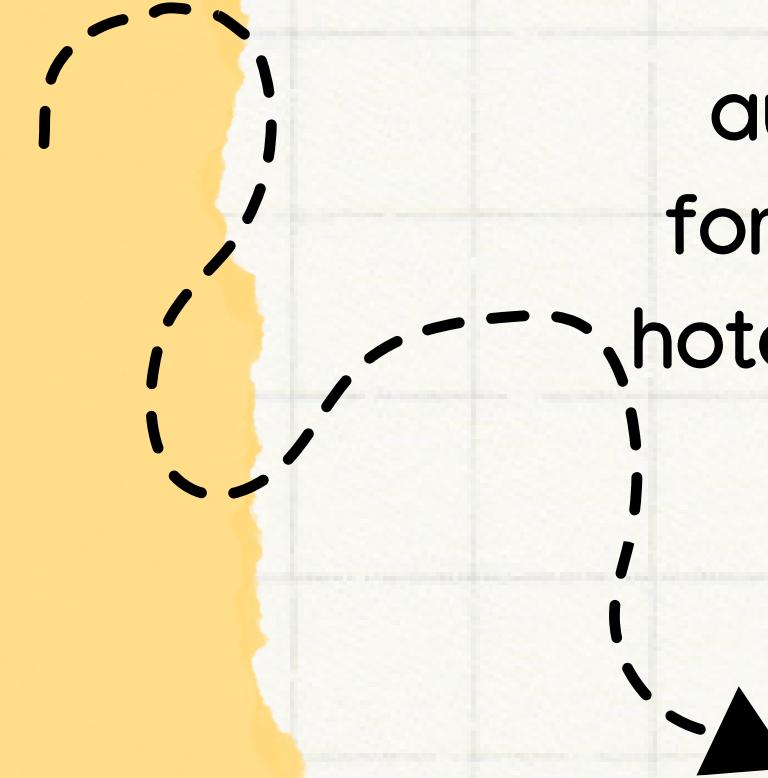
## Payment for staff

9. allows the hotel to process payments to its staff members. This is important for ensuring that staff members are compensated for their work.

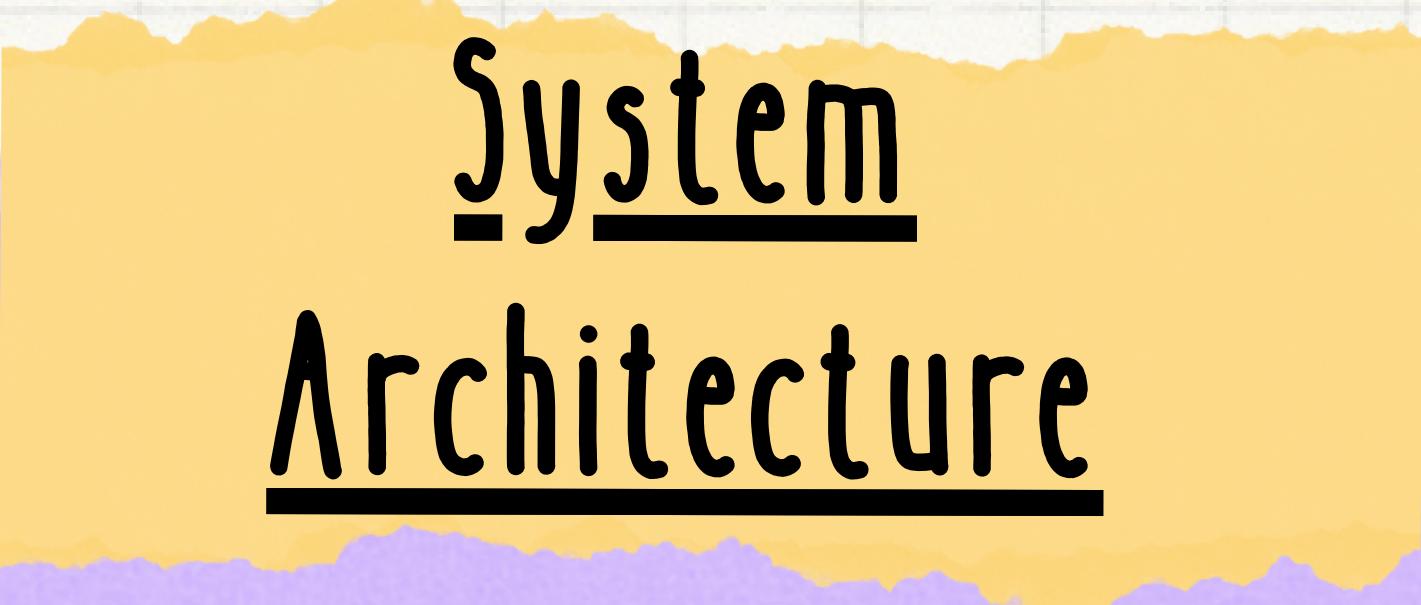




# Google Recapcha



10.adds a layer of security to the hotel's website by preventing automated bots from submitting forms. This can help to protect the hotel from spam and other malicious attacks.

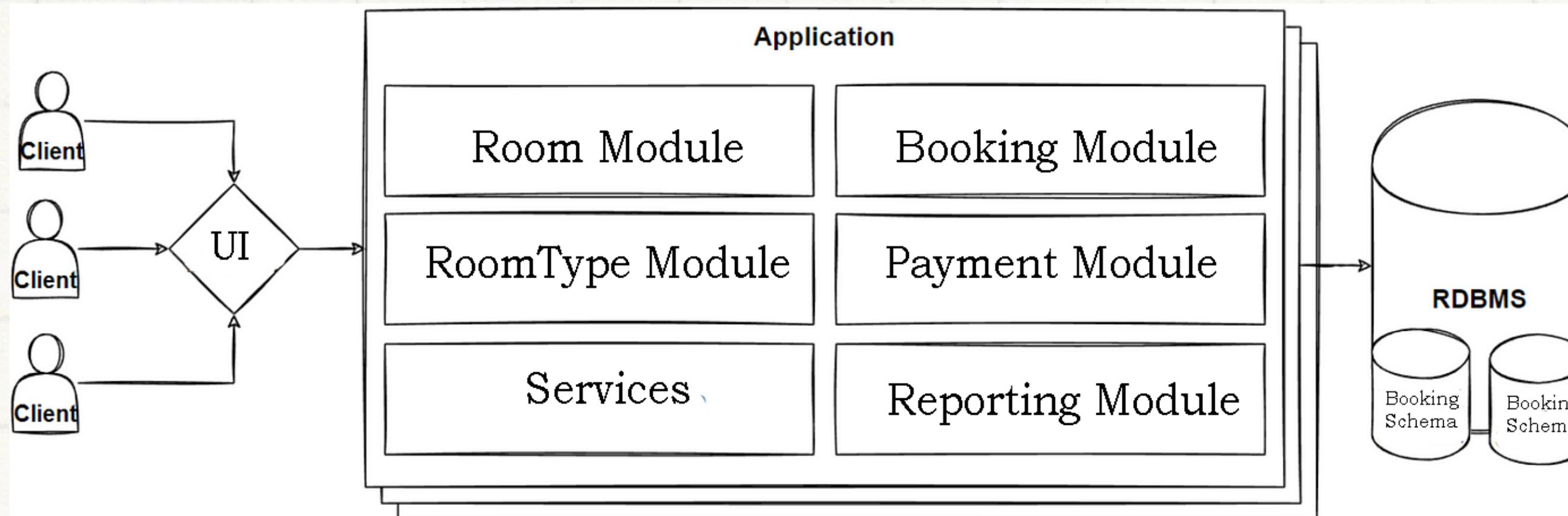
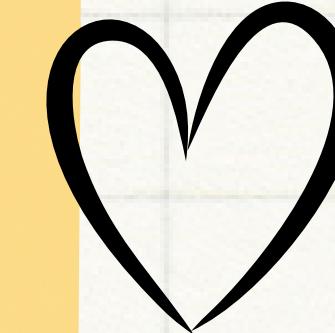


# System Architecture

- The system will be a monolithic application, with all of the components of the system deployed on a single server.
- Web server: The web server will be responsible for serving the web pages and handling user requests.
- Application server: The application server will host the business logic layer of the system.
- Database: The database will store all of the system's data, such as room information, customer information, and staff information



# Architecture Design



## Monolithic Architecture

**Thank you!**