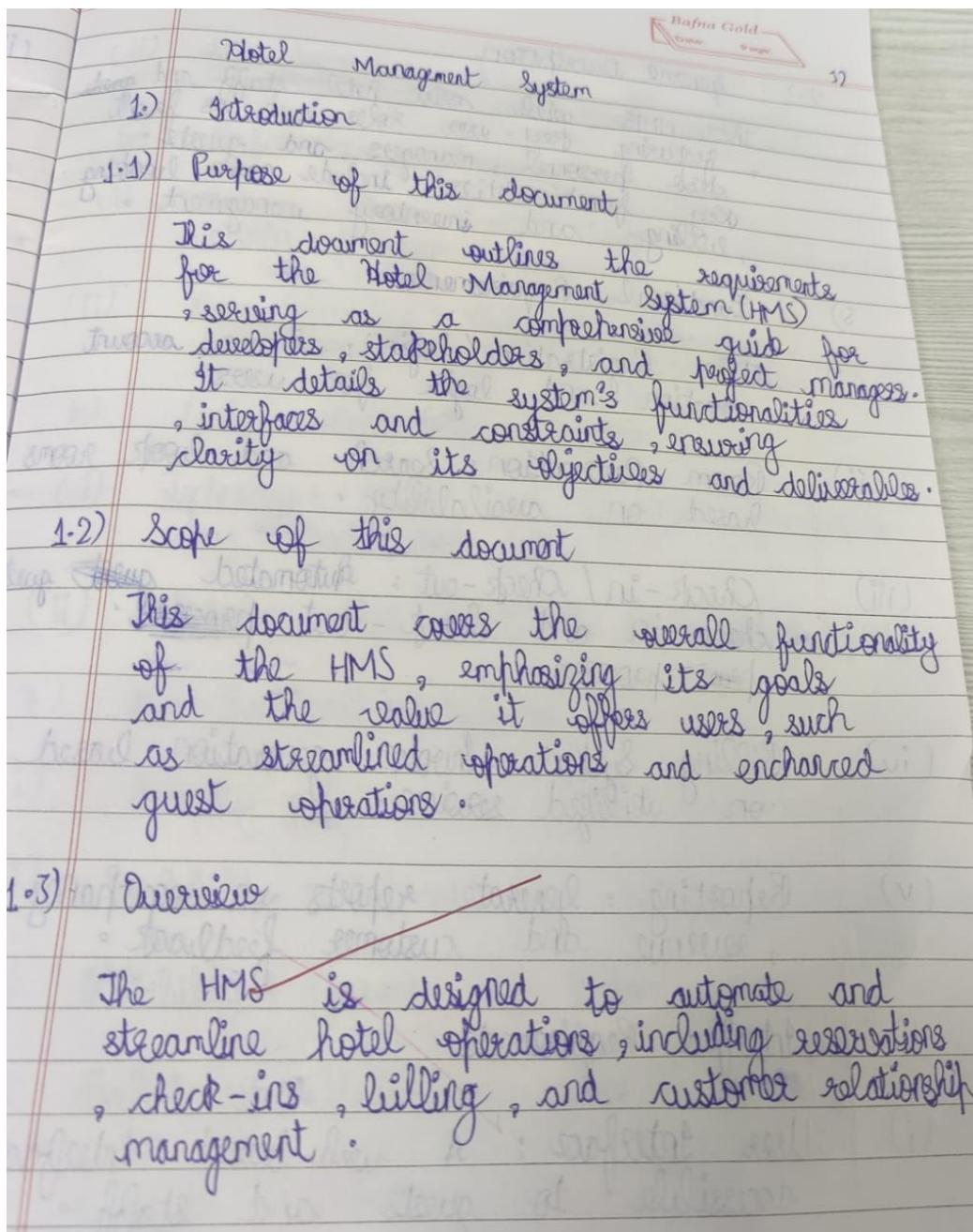


# HOTEL MANAGEMENT SYSTEM

## SOFTWARE REQUIREMENTS SPECIFICATION



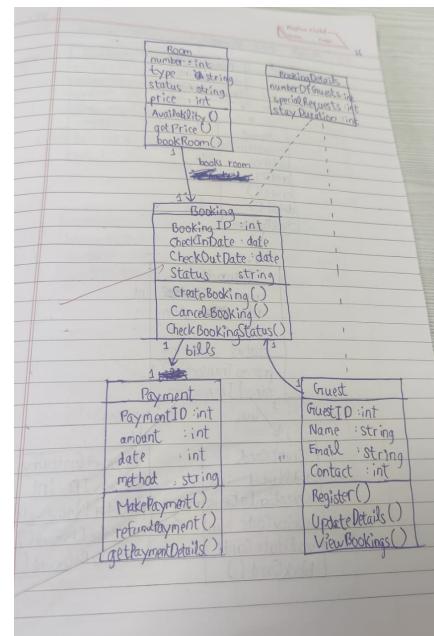
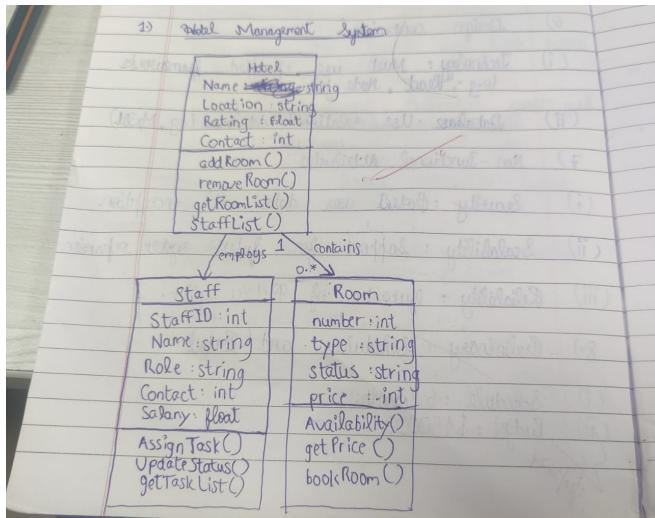
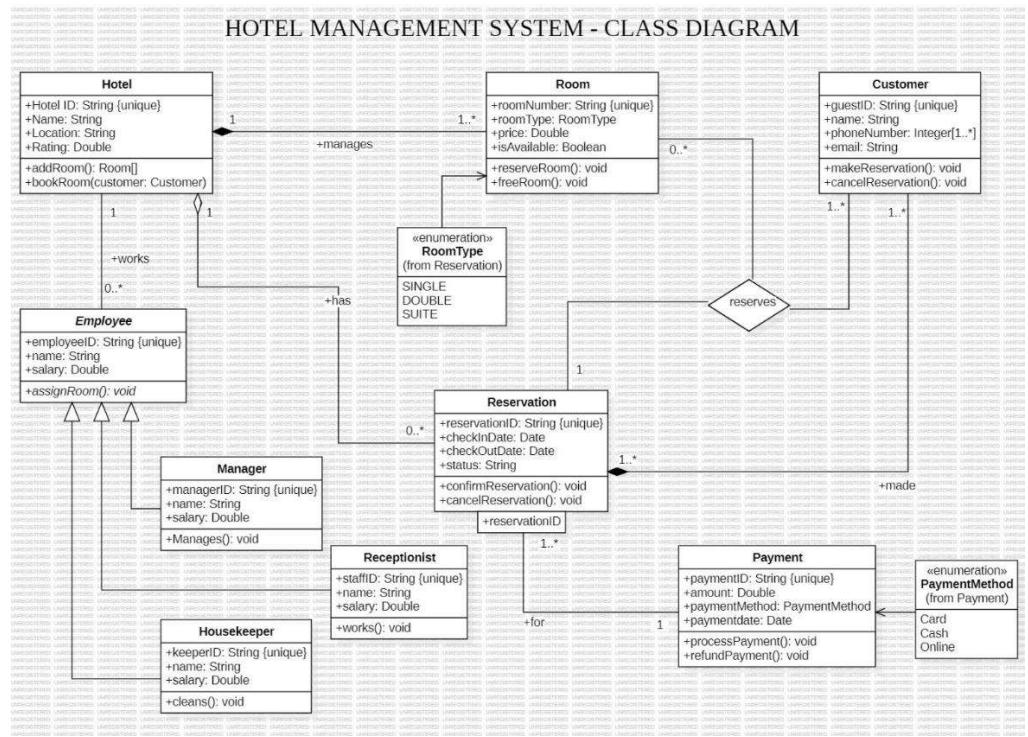
2.)	General Description
	The HMS will assist hotel staff and guests featuring key user roles such as front desk personnel, managers, and guests. Key functionalities include room booking, editing and inventory management.
3.)	Functional Requirements
(i)	User Registration / Login : Secure account creation and login for both users.
(ii)	Room Reservation: Search and book rooms based on availability.
(iii)	Check-in / Check-out: Automated guest check-in and check-out processes.
(iv)	Billing System: Invoice generation based on utilized services.
(v)	Reporting: Generate reports on occupancy, revenue and customer feedback.
	Interface Requirements
4.)	User Interface: A web-based interface accessible to guests and staff.

5.)	API Integration: Interfaces for payment systems and third-party services.
6.)	Performance Requirements
(i)	Response Time: System response should occur within 2 seconds.
(ii)	Data Handling: Efficient management of up to 10000 records.
7.)	Design constraints
(i)	Technology: Must use specified frameworks (e.g.: React, Node.js).
(ii)	Database: Use relational databases (e.g., MySQL).
8.)	Non-Functional Attributes
(i)	Security: Protect user data with encryption.
(ii)	Scalability: Support for future system expansion.
(iii)	Reliability: Guarantee of 99.9% uptime.
9.)	Preliminary Schedule and Budget
(i)	Schedule: 6 months
(ii)	Budget: \$150000

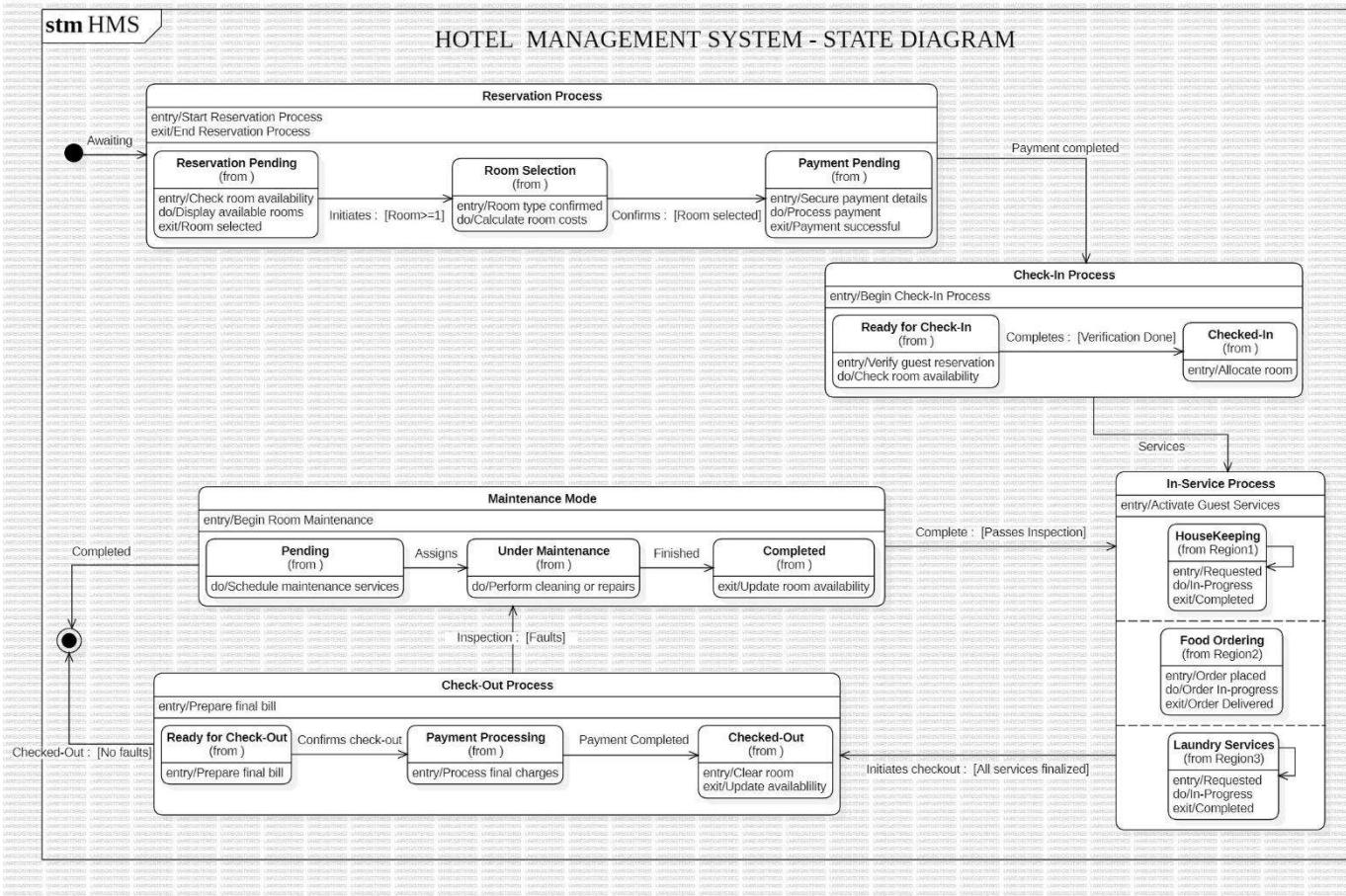
1/10/2024

# UML DIAGRAMS

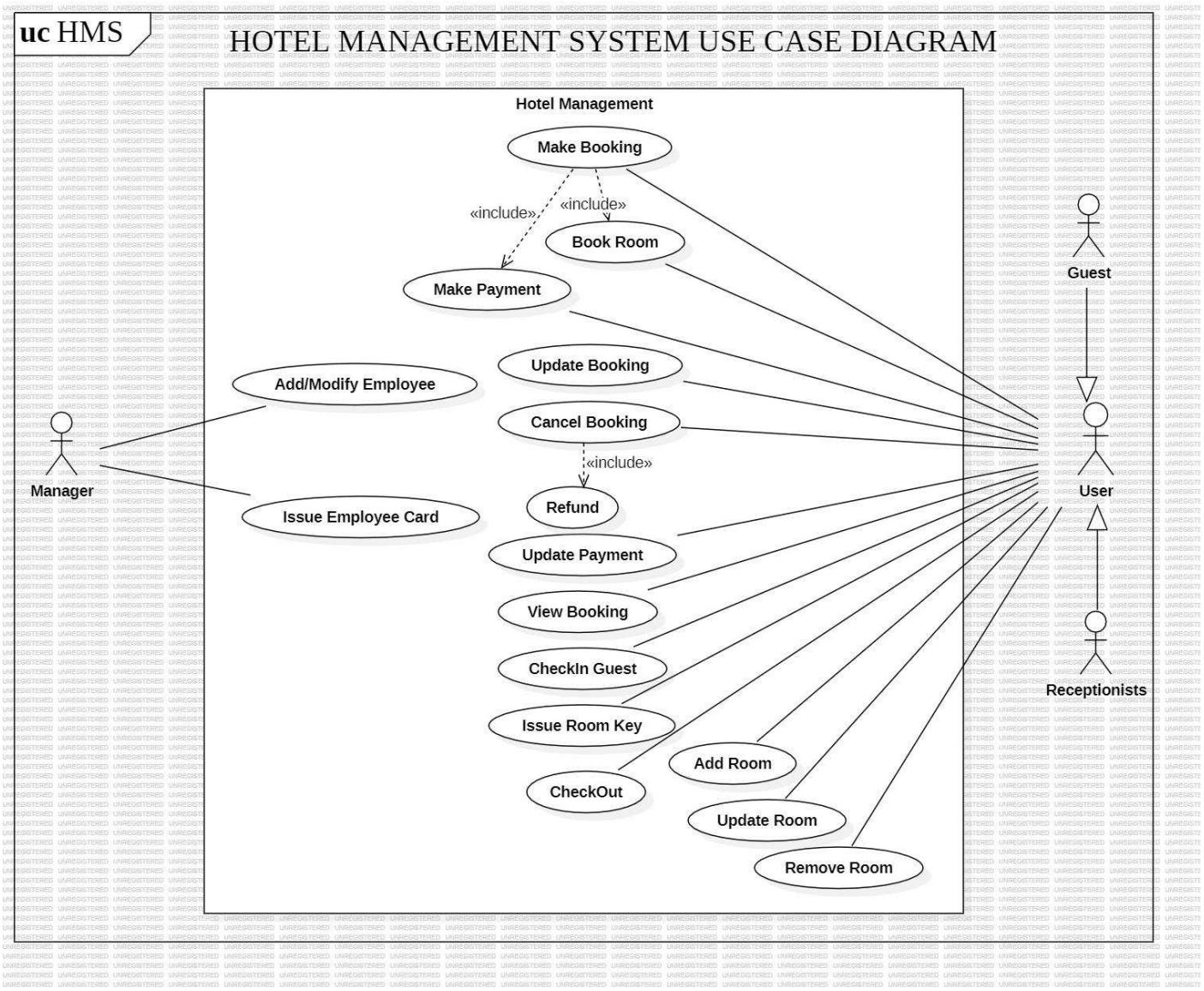
## CLASS DIAGRAM

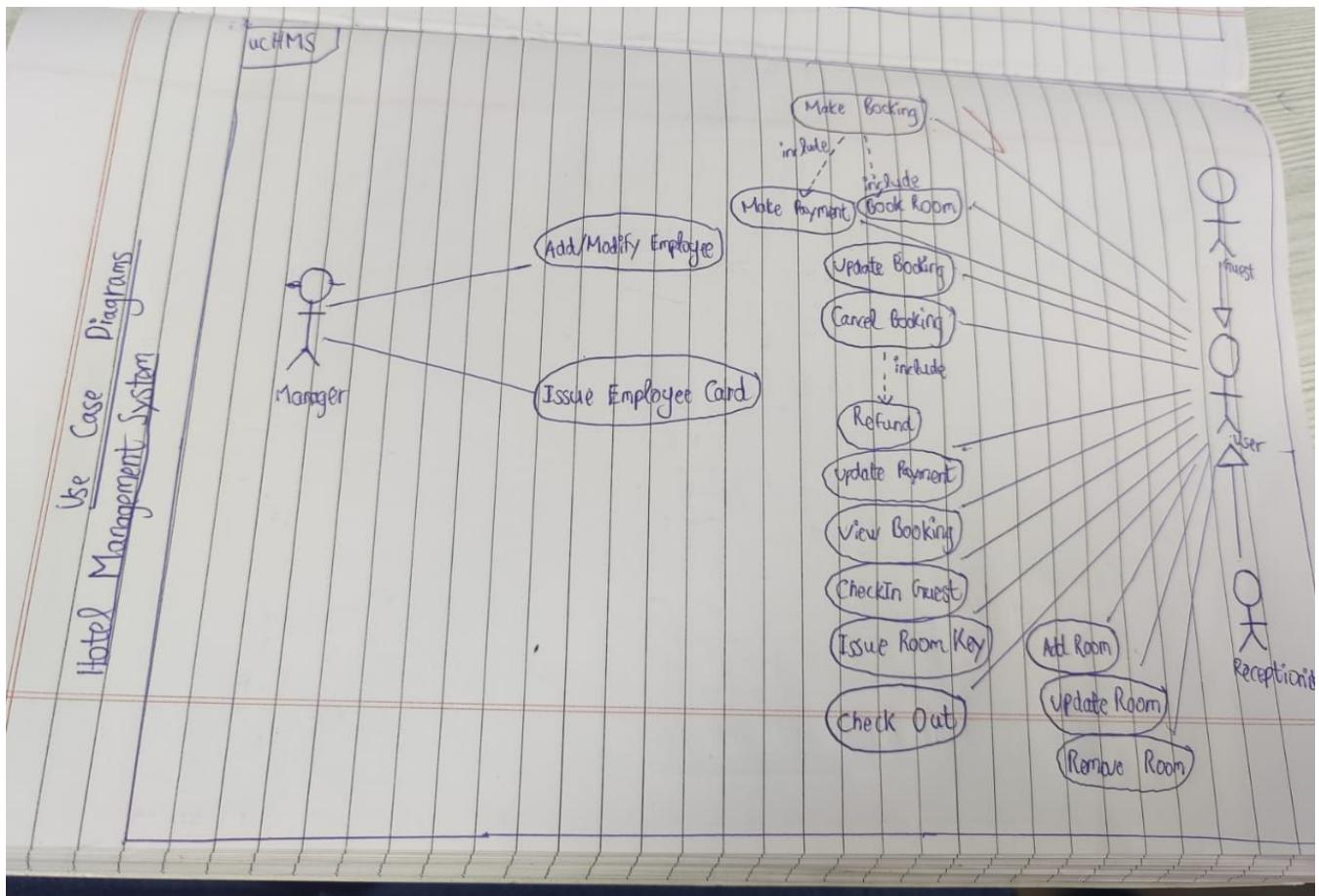


# STATE DIAGRAM

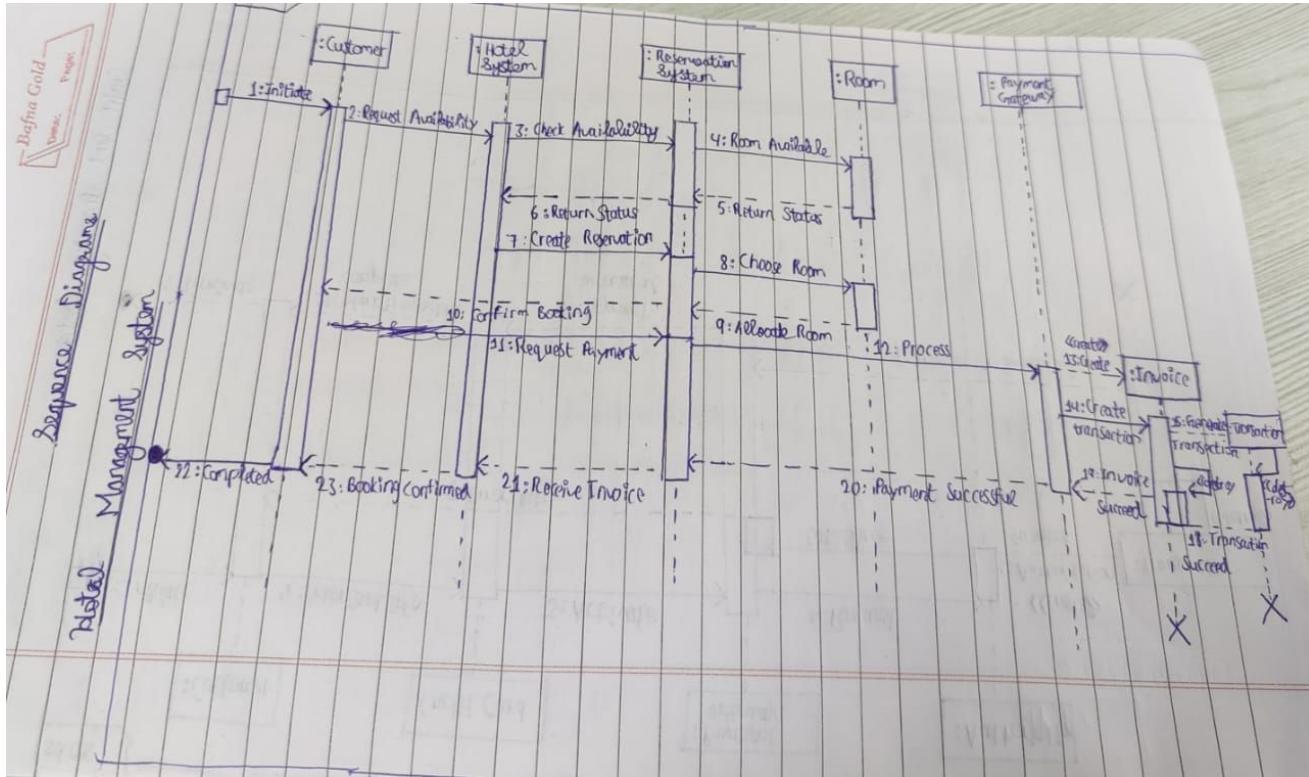


# USE CASE DIAGRAM





## SEQUENCE DIAGRAM



# ACTIVITY DIAGRAM

