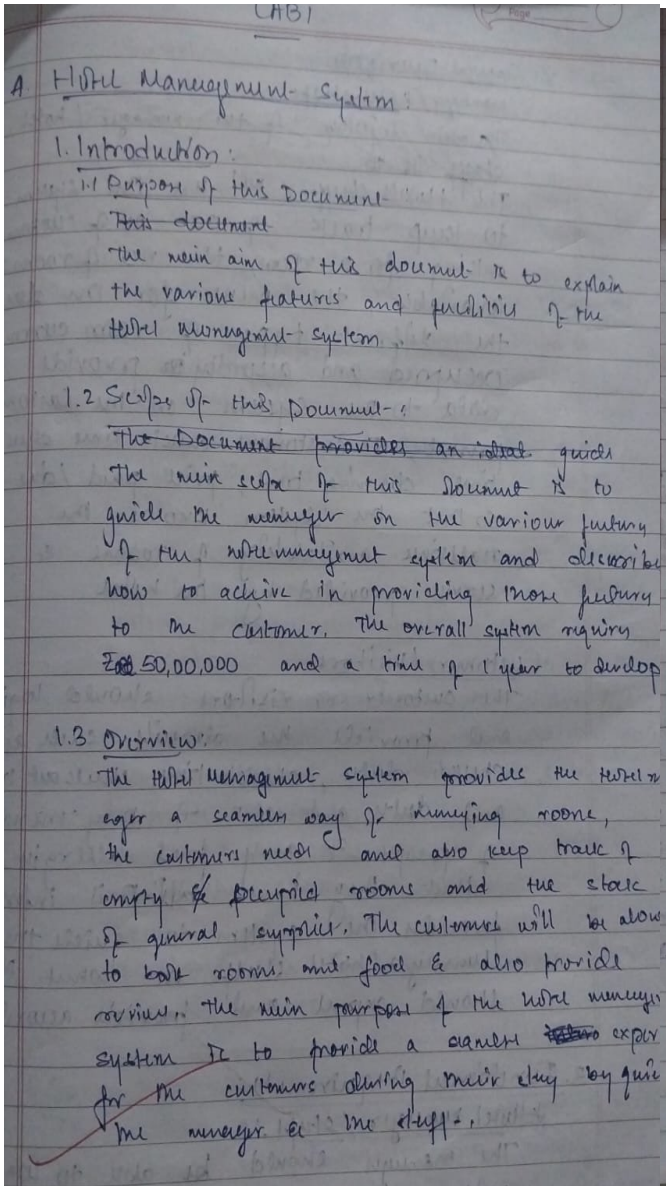
1. Hotel Management System

a. SRS Document:



LAB1

A Hotel Management System

1. Introduction:

1.1 Purpose of this Document:

~~This document~~

The main aim of this document is to explain the various features and functions of the Hotel management system.

1.2 Scope of this Document:

~~The Document provides an idea~~ guide

The main scope of this Document is to guide the manager on the various features of the hotel management system and describe how to achive in providing more features to the customer. The overall system expiry ₹ 50,00,000 and a time of 1 year to develop

1.3 Overview:

The Hotel Management system provides the hotel owner a seamless way of managing rooms, the customers needs and also keep track of empty & occupied rooms and the stock of general supplies. The customers will be allow to book rooms and food & also provide reviews. The main purpose of the hotel manage system is to provide a seamless ~~hotel~~ experience for the customers during their stay by guiding the manager & the staff.

2. General Description:

~~Manager / hotel staff:~~

~~The main Function of the manager / hotel staff is to~~

The Hotel staff will use the system to keep track of the no of customers asking for a room, the no of rooms available, the menu for the day, the different types of room currently occupied and accordingly provide data to the system on the customers present, customers check in time check out time, cleaning time, price paid / due so that the system knows the realtime availability of rooms & service provided by the hotel

Customers / Visitors:

The customer or visitors should login and provide the details such as check in date, check in time, check out time and date and also if they have no of people & any food allergy that they have. All this information provides the system to guide the manager / hotel staff on what they should expect and provide accordingly

3. Functional Requirements:

* Hotel manager / staff:

- The manager should be able to login with right credentials and also sign
- The manager should be able to enter the no of rooms, the no of beds in each room present in their hotel

- They should also be able to provide a option of their menu on the system.
- The managers should be able to see the no of customers he expects on a particular day and the name and age of each customer.
- The manager should be able to enter the various stock he has in his preffered unit of weight / no. and keys in updating it from time to time.
- He should also be able to enter the rooms occupied and update accordingly, price for
- He should also be able to set & modify rooms.

* Customer:

- The customer should be able to login and logout and also create a new account with proper credentials.
- The customer should be able to see the room types & the no rooms that are free
- The customer must also be able to close no of people attending, the rooms & extra facilities he wants.
- He should be able to see the price of rooms he chooses & book the rooms accordingly.
- He should also be able to cancel his bookings of necessary.

Interface Requirements

The system is developed for both pc & mobile applications. The interface for the manager & the customer is different and one must login to either one of the interface at a time. The same credential must not be able to

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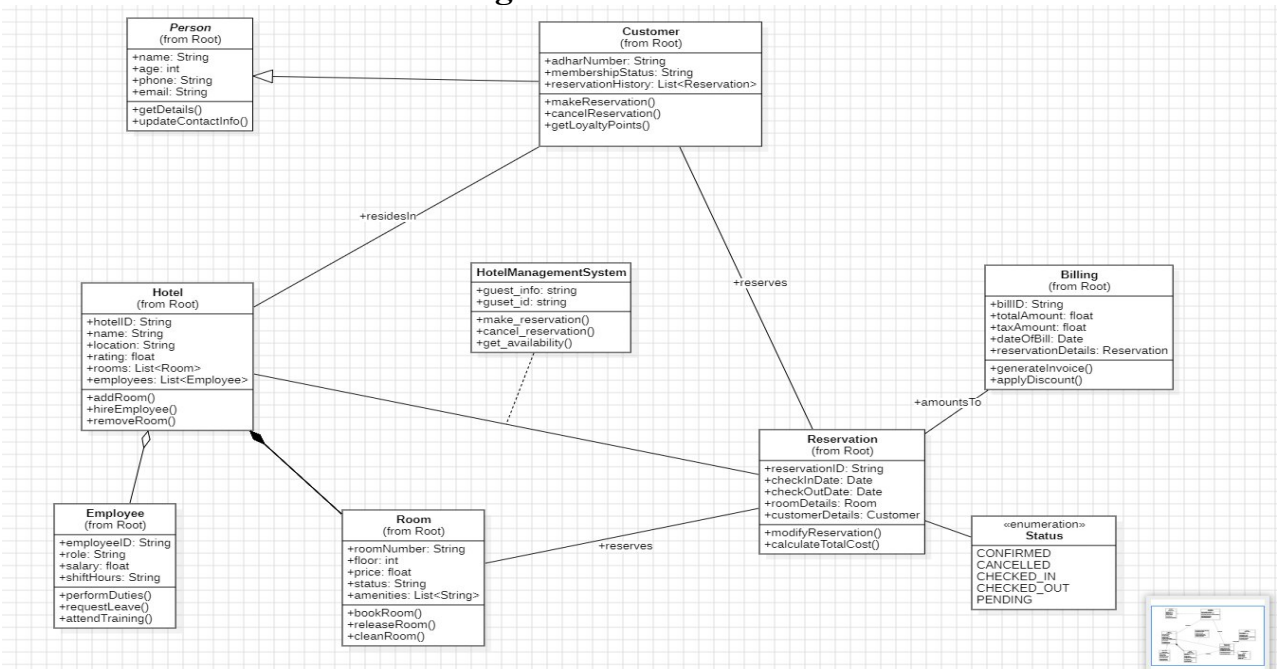
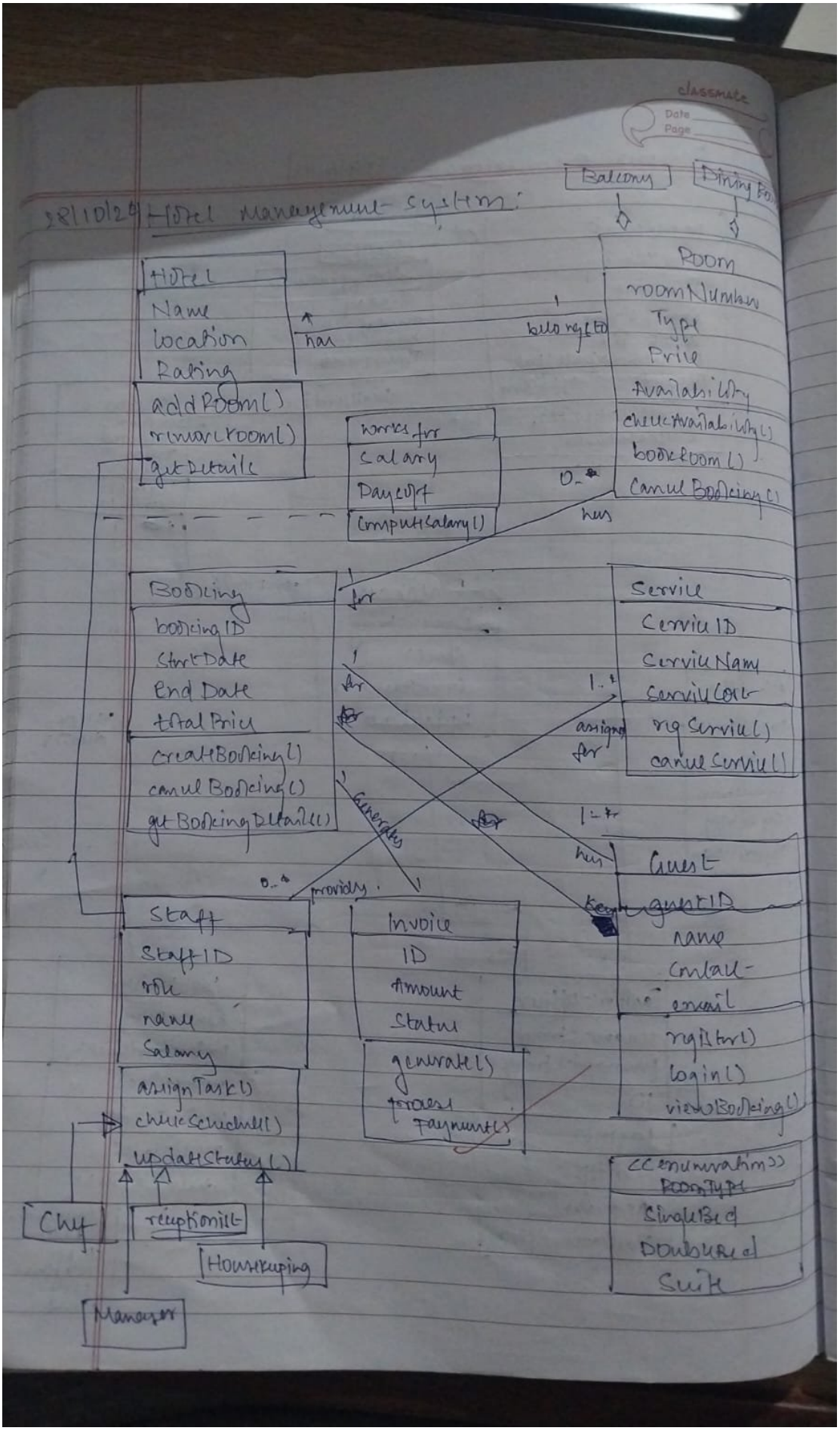
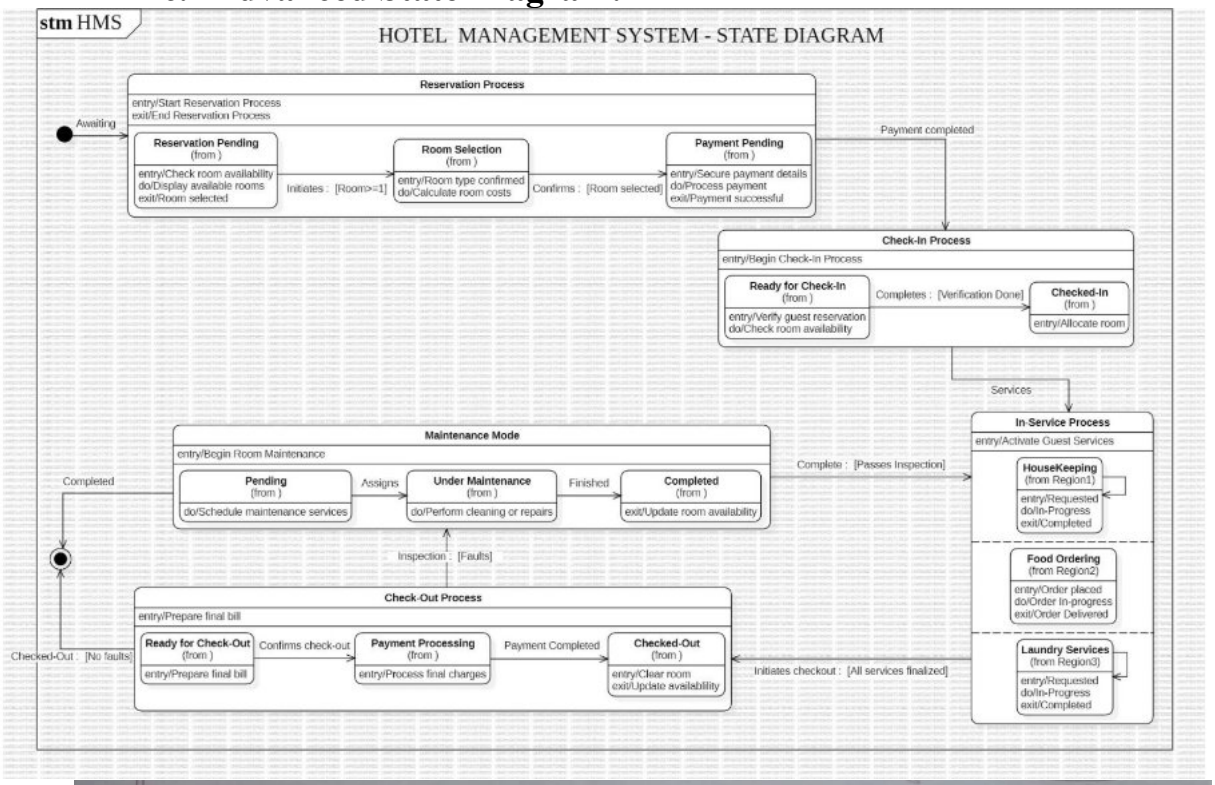
b. Advanced Class Diagram:

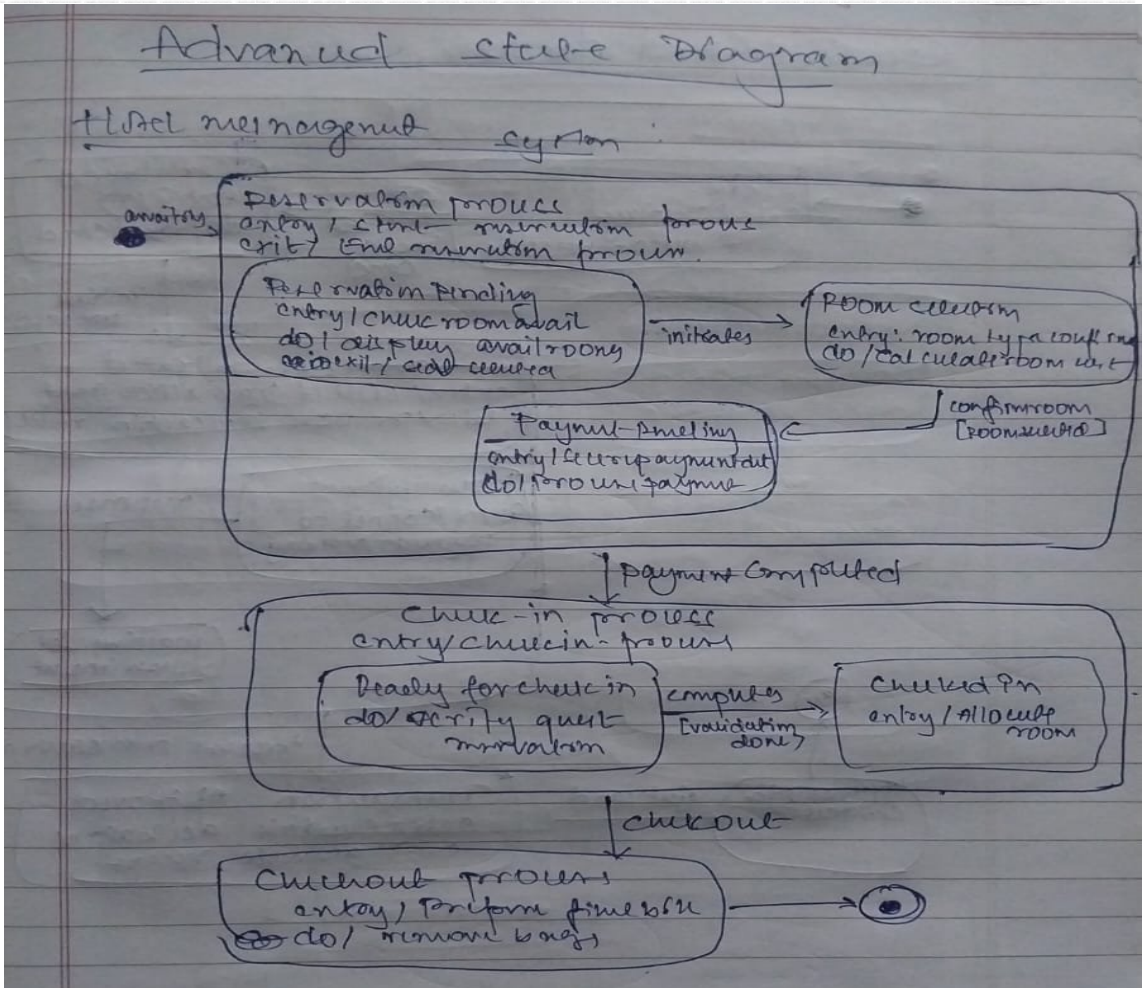


28/10/24 Hotel Management system:

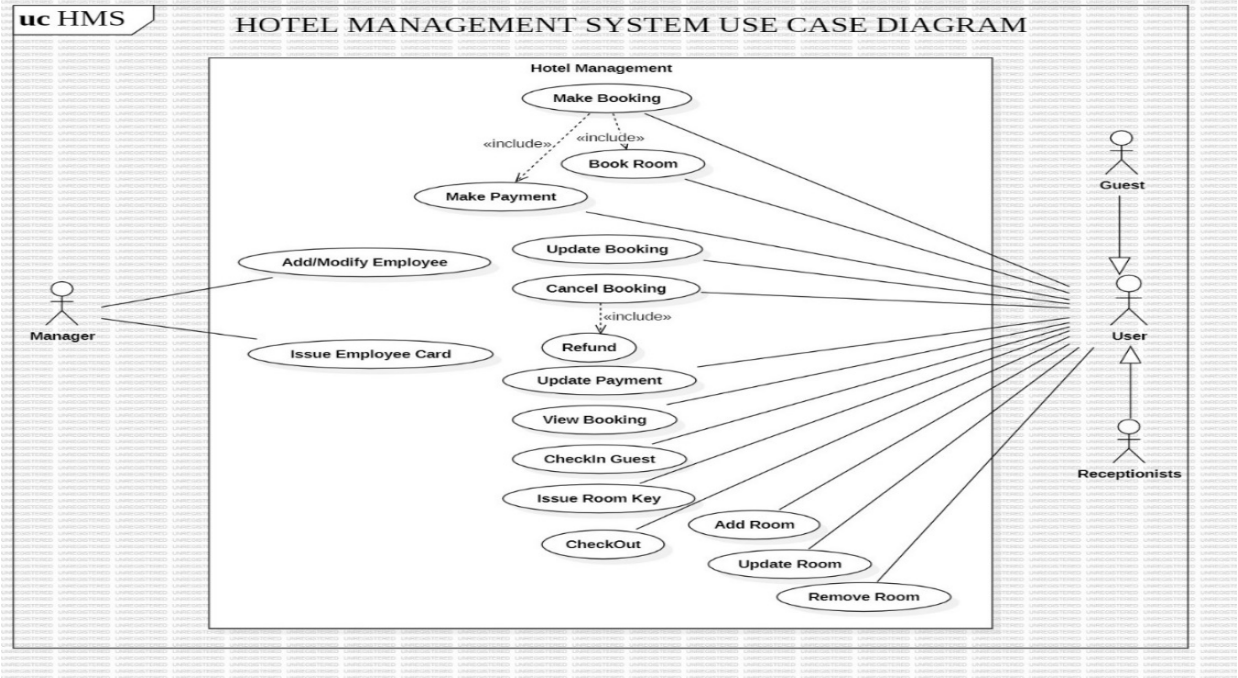


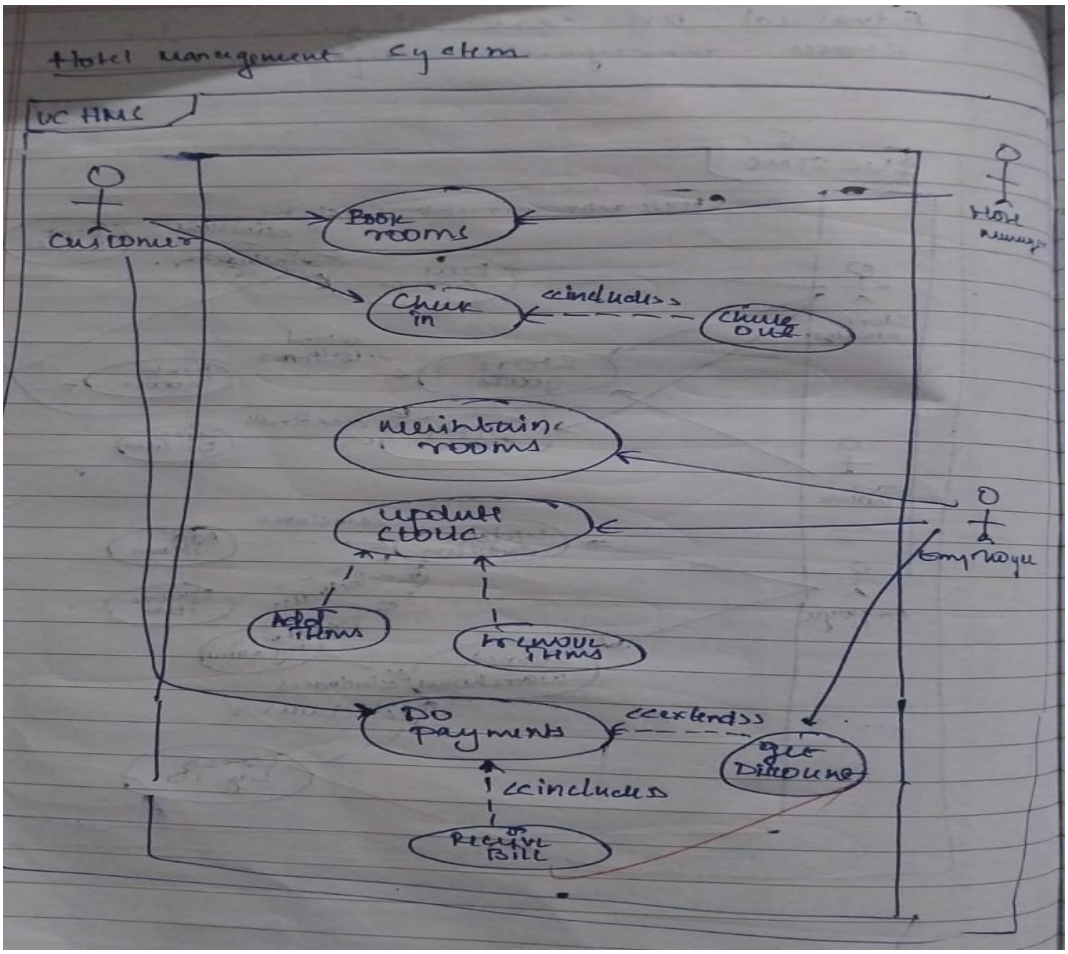
c. Advanced State Diagram:



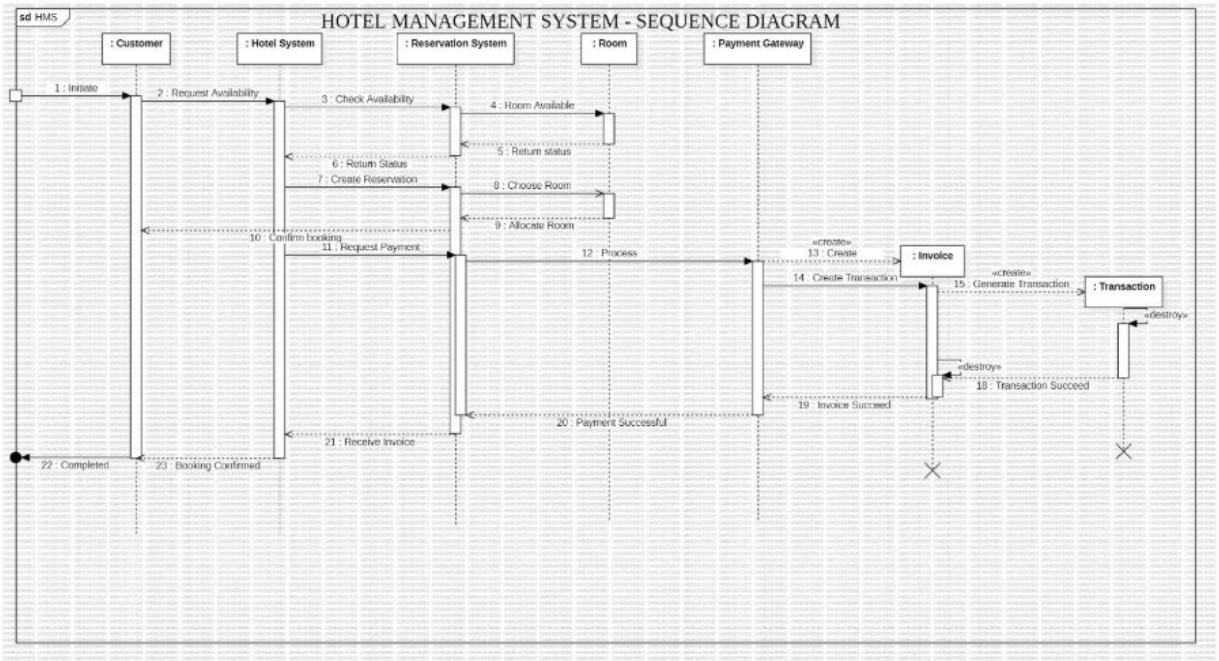


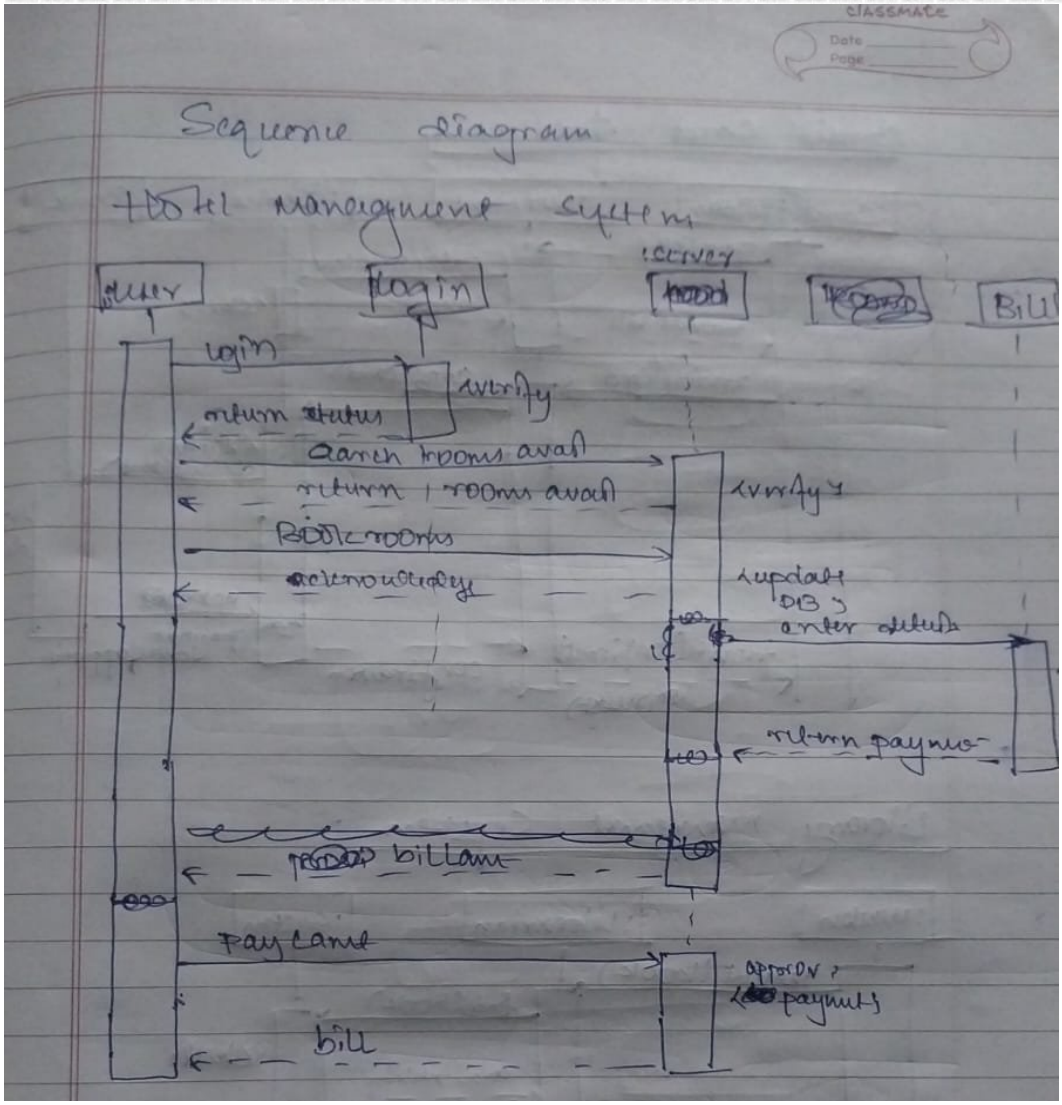
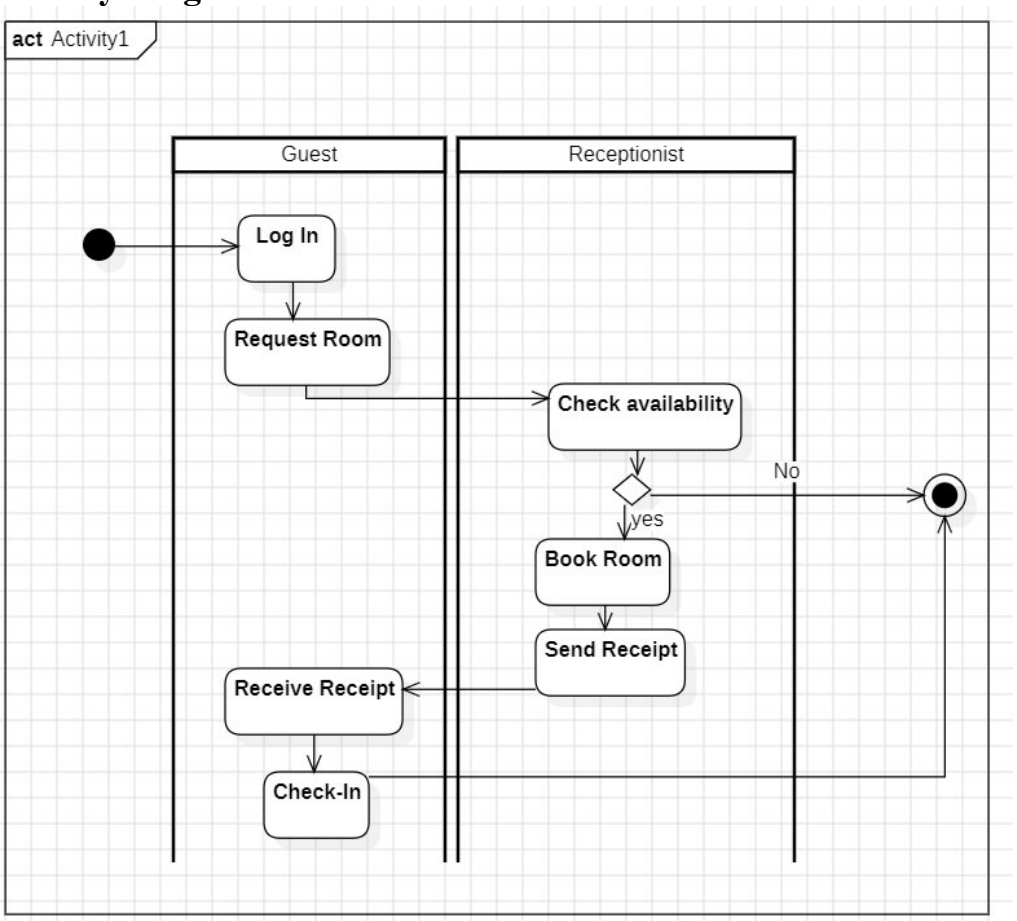
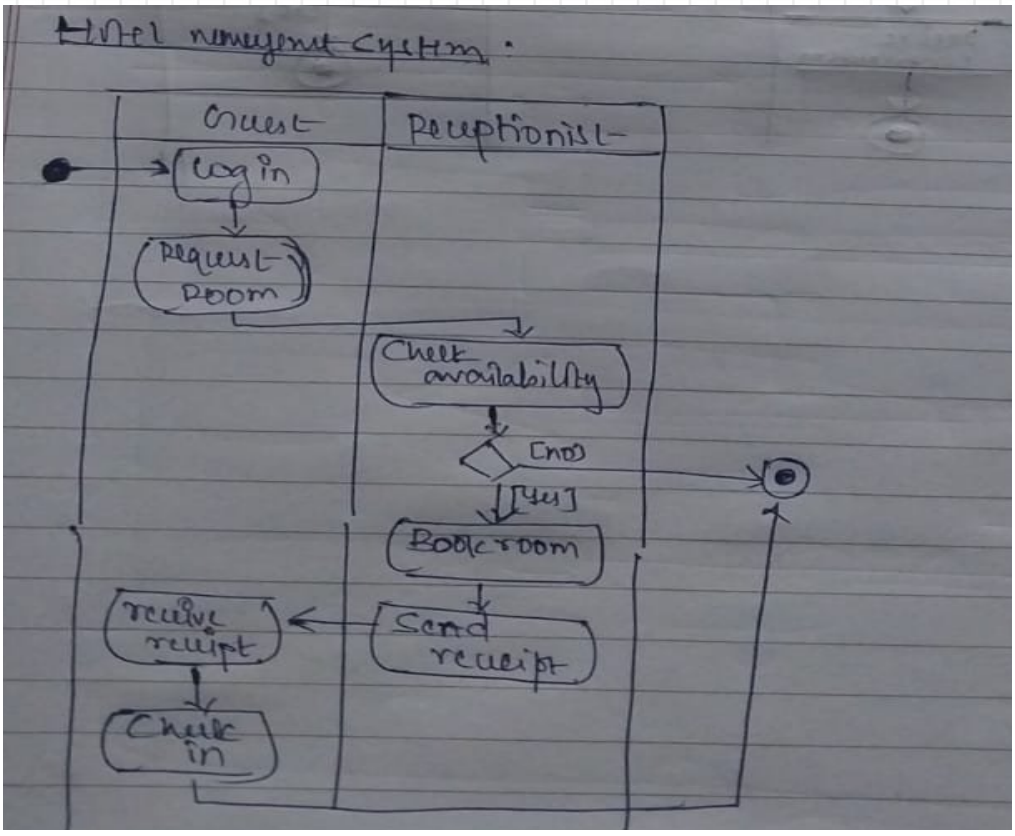
d. Use Case Diagram:





e. Sequence Diagram





f. Activity Diagram: