
OOAD PROJECT

<HOTEL MANAGEMENT SYSTEM > Software Requirements Specification For <HOTEL MANAGEMENT >

Version <1.0>

Revision History

Date	Version	Description	Author
<9/12/2021>	<1.0>	The project, Hotel Management System is a web-based application that allows the hotel manager to handle all hotel activities online. Interactive GUI and the ability to manage various hotel bookings and rooms make this system very flexible and convenient	11166 Adeel 11180 Haris

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Software Requirements Specification

1. Introduction

The project, Hotel Management System is a web-based application that allows the hotel manager to handle all hotel activities online. Interactive GUI and the ability to manage various hotel bookings and rooms make this system very flexible and convenient. The hotel manager is a very busy person and does not have the time to sit and manage the entire activities manually on paper. This application gives him the power and flexibility to

manage the entire system from a single online system. Hotel management project provides room booking, staff management and other necessary hotel management features. The system allows the manager to post available rooms in the system. Customers can view and book room online. Admin has the power of either approving or disapproving the customer's booking request. Other hotel services can also be viewed by the customers and can book them too. The system is hence useful for both customers and managers to portable manage the hotel activities.

1.1 Purpose

The purpose of the Hotel Management system is to generate bills and item details to the customer. The clear understanding of the hotel management and its functionality will allow for the correct software to be developed for the end user and will be used for the development of the future stages of the project.

1.2 Scope

The software to be developed deals with creating a Hotel Management system which will automate the major hotel operations such as generating Customer Order Detail, billing and keeping track of records of daily transaction. Admin have the authority to control and modify the database.

2. Overall Description

- ***Product perspective***

The Hotel Management System is a new self-contained software product which will be produced by the project team in order to overcome the problems that have occurred due to the current manual system. The newly introduced system will provide an easy access to the system and it will contain user friendly functions with attractive interfaces. The system will give better options for the problem of handling large scale of physical file system, for the errors occurring in calculations and all the other required tasks that has been specified by the client. The final outcome of this project will increase the efficiency of almost all the tasks done at the Hotel in a much convenient manner.

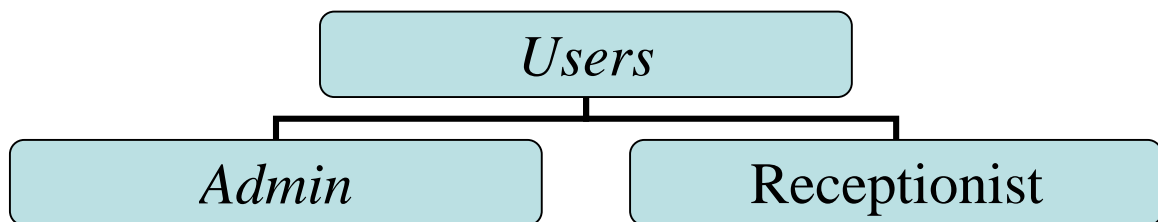
- ***Product functions***

- 1) Make Reservations*
- 2) Search Rooms*

- 3) *Add Payment*
- 4) *Manage Room Types (Add, Update, Delete)*
- 5) *Manage Room Details (Add, Update, Delete)*
- 6) *Manage User Role (Add, Update, Delete)*
- 7) *Manage Users (Add, Update, Delete)*
- 8) *Manage Generate Database Backup through Application*

- ***User characteristics***

01: *Users/Customer* 02: *Admin*



- ***Constraints***

Software development crew provides their best effort in developing the system. In order to maintain the reliability and durability of system, some design and implementation constraints are applied. When designing interfaces of system, we had the capability of work with new tools. Considering the client's budget, we decided to create those interfaces in a simple realistic manner using affordable technology.

- ***Assumptions and dependencies***

3. Specific Requirements

3.1 Functionality

- 1) *Make Reservations*
- 2) *Search Rooms*
- 3) *Add Payment*
- 4) *Manage Room Types (Add, Update, Delete)*
- 5) *Manage Room Details (Add, Update, Delete)*
- 6) *Manage User Role (Add, Update, Delete)*
- 7) *Manage Users (Add, Update, Delete)*
- 8) *Manage Generate Database Backup through Application*

3.2 Interfaces

3.2.1 User Interfaces / Software Interfaces *Dashboard*

RoomTypeIndex - Hotel Man...













http://asphms-001-site1.ctempurl.com/RoomType/RoomTypeIndex

Adeel Ameen

Room Type

Show 10 entries

Search:

Actions	S.NO	Name	Price	Capacity	Active
 	1	Big Rooms	18000	10	true
 	2	AC Rooms	7000	3	true
 	3	Luxury Room	6000	4	true
 	4	Family Rooms	15000	6	true
 	5	VIP ROOM	10000	2	true
 	6	4 Bed Rooms	15000	8	true

Showing 1 to 6 of 6 entries

Previous 1 Next

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ROOM INFORMATION

RoomIndex - Hotel Manag...



















http://asphms-001-site1.ctempurl.com/Room/RoomIndex

Adeel Ameen

Room Information

Show 10 entries

Search:

Actions	S.NO	Room Number	Type	Description	Status	Floor	Clean	Active
 	1	Room-116	Big Rooms	5 Bed 1 Kitchen 3 bathroom 2 Dining Table 2 AC	Available	6	true	true
 	2	Room-117	Big Rooms	4 Bed 1 Kitchen 2 bathroom 2 Dining Table 2 AC	Available	6	true	true
 	3	Room-118	Big Rooms	4 Bed 1 Kitchen 2 bathroom 2 Dining Table 2 AC	Available	6	true	true
 	4	Room-111	AC Rooms	1 Bed 1 Kitchen 1 bathroom 1 Dining Table 1 AC	Available	4	true	true
 	5	Room-110	AC Rooms	1 Bed 1 Kitchen 1 bathroom 1 Dining Table 1 AC	Available	4	true	true
 	6	Room-112	AC Rooms	1 Bed 1 Kitchen 1 bathroom 1 Dining Table 1 AC	Available	4	true	true
 	7	Room-104	Luxury Room	2 double beds 1 kitchen 2 bathroom	Reserved	2	true	true
 	8	Room-105	Luxury Room	2 Bed Room 1 Kitchen 2 bathroom 1 Dining Table	Available	2	true	true
 	9	Room-106	Luxury Room	2 Bed Room 1 Kitchen 2 bathroom 1 Dining Table	Available	2	true	true

CUSTOMER INFO

Customerindex - Hotel Man...

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http://asphms-001-site1.ctempurl.com//Customer/CustomerIndex

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Adeel Ameen

Customer Information

New

Show 10 entries

Search:

Actions	S.NO	Name	C.N.I.C	House Address	Email	Phone	Another Contact	Active
<div>⌵</div>	1	Farhan Ahmed	425015412351	E#39 Bhaittai Colony korangi Crossing Karachi	farhan@gmail.com	03151279036	03243354436	true
<div>⌵</div>	2	Rehman Akram	4250151246663	D#55 Zamaan Town Korangi No # 4	reham@gmail.com	03125452564	03336548251	true

Showing 1 to 2 of 2 entries

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Next

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ROOM RESERVATION(TRANSACTION)

The screenshot displays a web application for room reservations. The top navigation bar includes a logo, a menu icon, and a user profile for Adeel Ameen. The main heading is "Room Reservation". Below it, there is a "New" button and a search bar. A table lists existing reservations with columns for Actions, S.NO, Booking.NO, Customer, CheckIn, CheckOut, RoomNumber, Price, Description, and Status. Two reservations are shown, both with a status of "Booking". A modal titled "User Roles" is open in the foreground, containing fields for Customer, Total Person, Room Type, Room Number, Check IN, Check Out, Total Days, Total Payment, Up-Front Payment, and Remaining Balance. The modal has "Save" and "Close" buttons.

Room Reservation

Show 10 entries

Search:

Actions	S.NO	Booking.NO	Customer	CheckIn	CheckOut	RoomNumber	Price	Description	Status
	1	RIV-32389194	Rehman Akram	04/Jan/2022	10/Jan/2022	Room-104	6000	2 double beds 1 kitchen 2 bathroom	Booking
	2	RIV-24319159	Farhan Ahmed	04/Jan/2022	11/Jan/2022	Room-103	10000	1 bed, 1 Luxury Kitchen and 1 luxury Bathroom	Booking

Showing 1 to 2 of 2 entries

Previous 1 Next

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User Roles

Save Close

Customer: Select Customer

Total Person: 0

Room Type: select Room Type

Room Number: Select Room

Check IN: 01/01/0001 12:00:00 AM

Check Out: 01/01/0001 12:00:00 AM

Total Days: 0

Total Payment: 0

Up-Front Payment: 0

Remaining Balance: 0

PAYMENT

PaymentIndex - Hotel Mana
+

http://asphms-001-site1.ctempurl.com/Payment/PaymentIndex

R

Adeel Ameen

Payment

Show 10 entries
Search:

S.NO	Pay.NO	Booking.No	Checkin	CheckOut	Total Days	Total Amount	UpFront Amount	Remaining Amount	Status
1	P-69525	RIV-24319159	04/Jan/2022	11/Jan/2022	7	70000	10000	60000	Panding
2	P-45111	RIV-32389194	04/Jan/2022	10/Jan/2022	6	36000	16000	20000	Panding

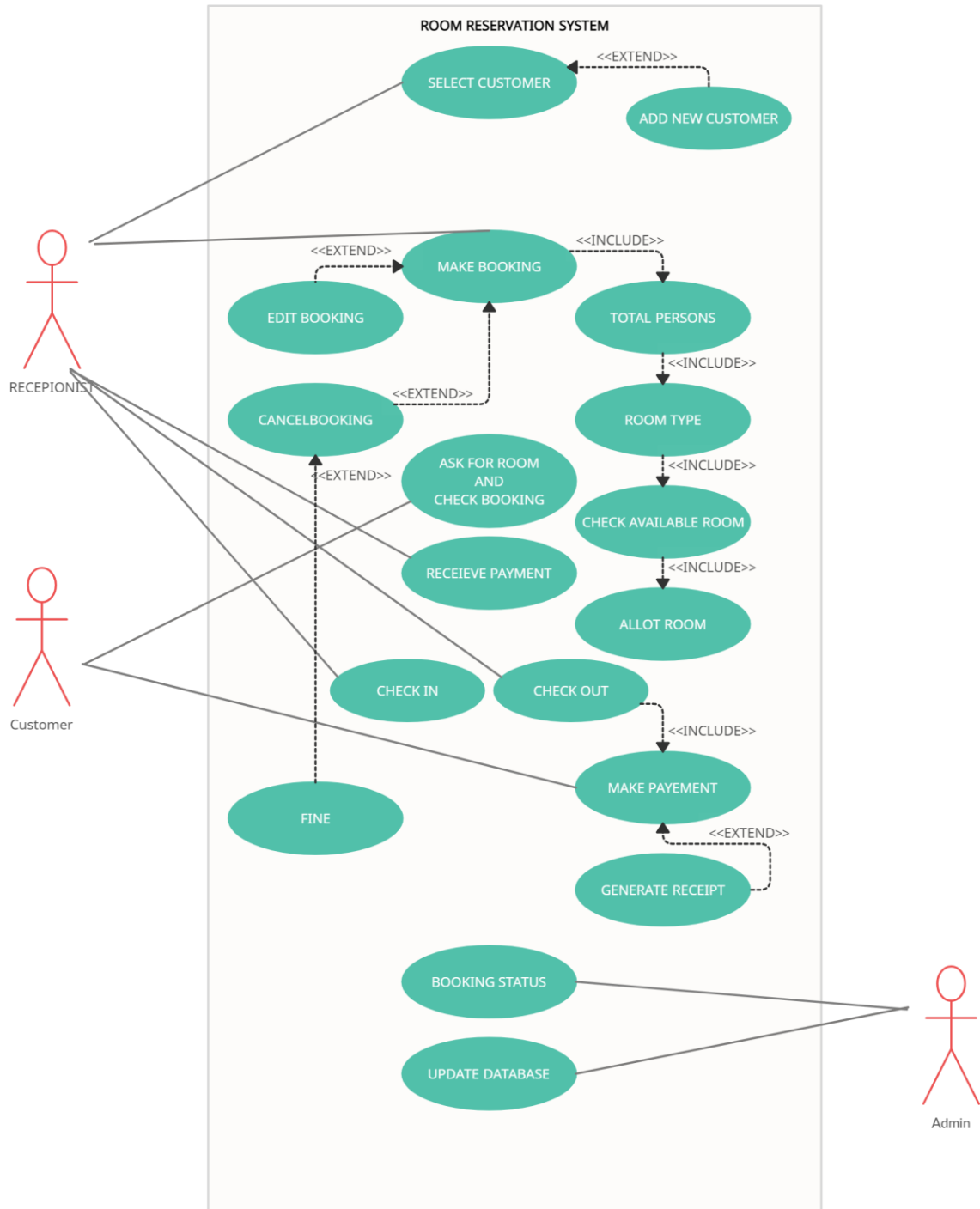
Showing 1 to 2 of 2 entries
Previous 1 Next

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3.3 Licensing Requirements 3.4 Legal, Copyright, and Other Notices

4.1 AS IS DIAGRAMS

4.1.1 Use Case Diagram.



4.1.2 Use Case Narration

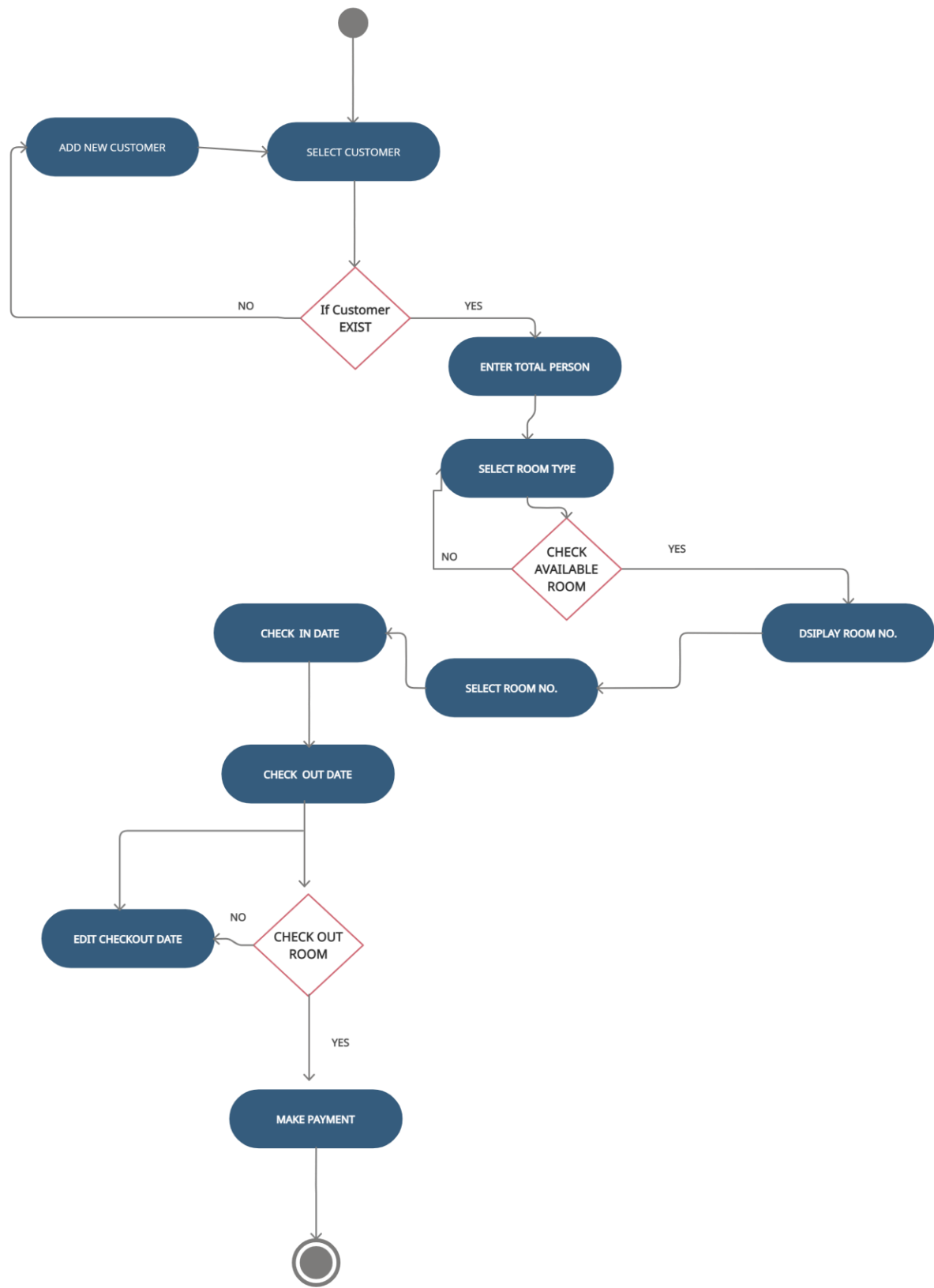
Date: 01/01/2022

Version: 1.00

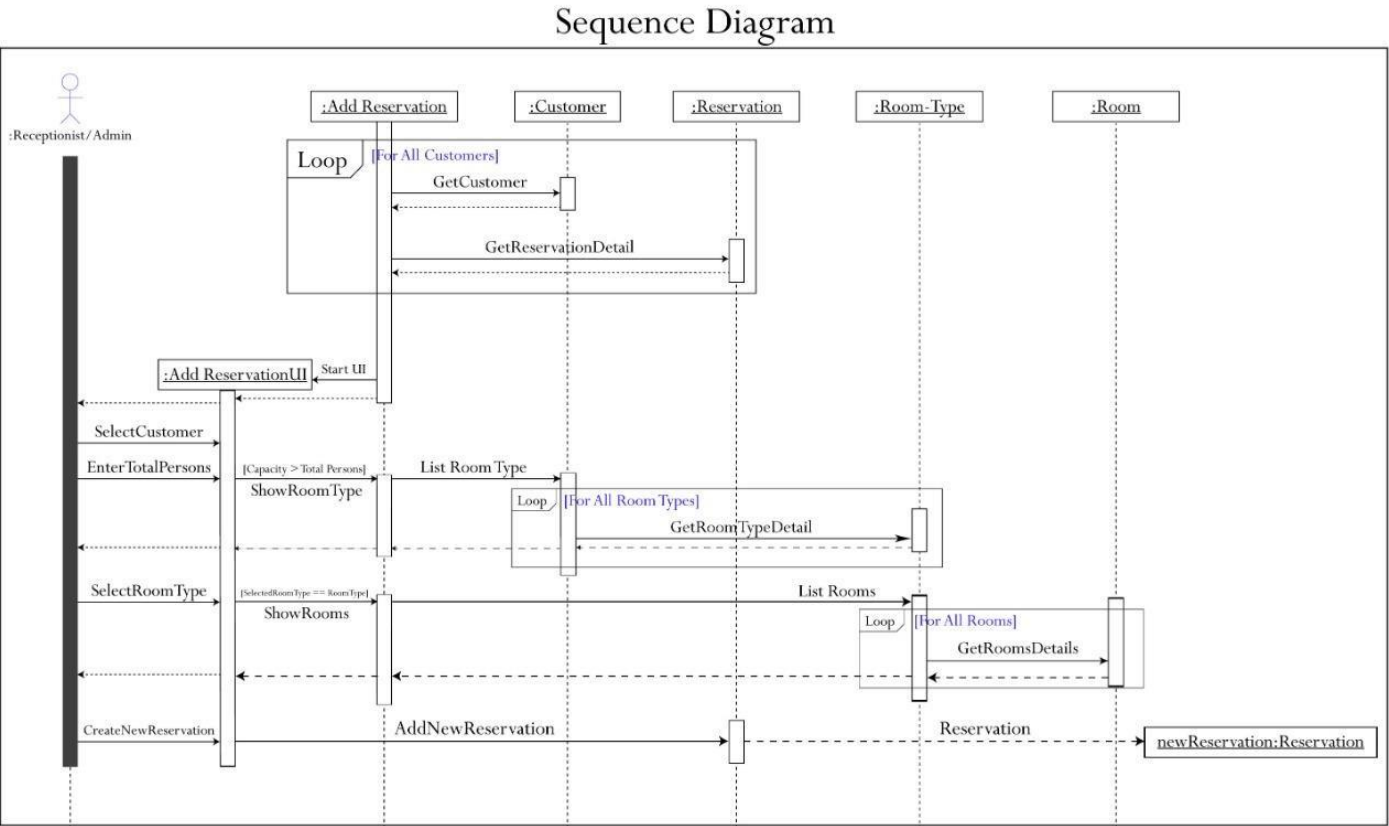
Use Case Name:	Room Reservation	Use Case Type Business Requirements <input type="checkbox"/> System Analysis <input checked="" type="checkbox"/>
Use Case ID:	AS-IS	
Priority:	High	
Source:	Requirements Use Case – As is	
Primary Business actor	Customer(Old Customer) Customer(New Walk in Customer)	
Primary system actor	Receptionist	
Other Participating Actors	Admin	
Other Interested Stakeholders	<input type="checkbox"/> Management – Interested in booking activity in order to evaluate Hotel performance and customer satisfaction. <input type="checkbox"/> Staff – In Order To get more tips and Bonuses	
Description	This use case describes the event of Room Reservation via Management system. Receptionist Takes the details/ query of the Walk-in Customer. Once taken the Details it Books the Room for the Customer If the Desired Customer Room is Available if not available it's give the next possible available room. On Completion Customer will be given the Key of the room.	
Precondition	Individual Booking the Room Should have his identity and credentials. Receptionist Must Login to the System.	
Trigger	This use case is initiated when the Receptionist selects the Room Reservation Option.	
	Actor Action	System Response

Typical Course of Events	<p>STEP 1: Receptionist opens the UI of Adding Room Reservation</p> <p>STEP 3: Selects from the Customer and Selects the Check in Checkout Date and Total Persons. STEP 5: Receptionist Selects Room Type from the Drop Down</p>	<p>STEP 2: The System Responds by loads the UI and Give the previous Customer List STEP 4: The System Responds by fetching the Room Types According to the Total Persons. STEP 6: The System than gives the Available Room Number of the Selected Options. STEP 7: After booking the Room. System will calculate the Total Amount According to the Total Days Stayed and Room Type and Total Number of persons.</p>
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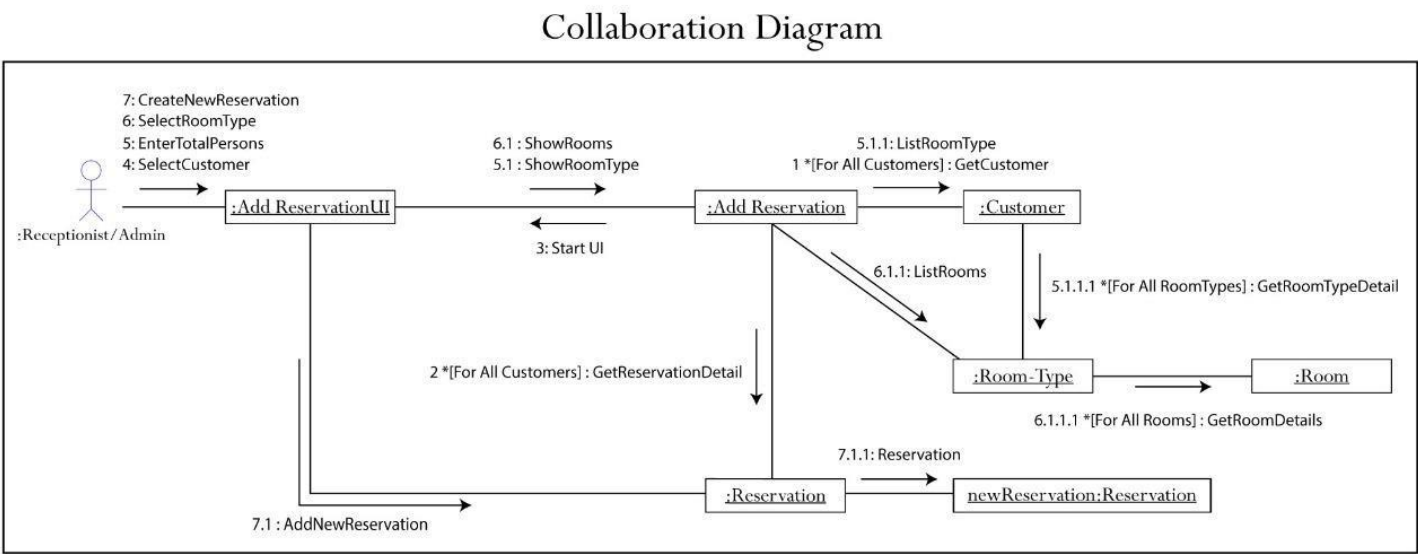
4.1.3 Activity Diagram



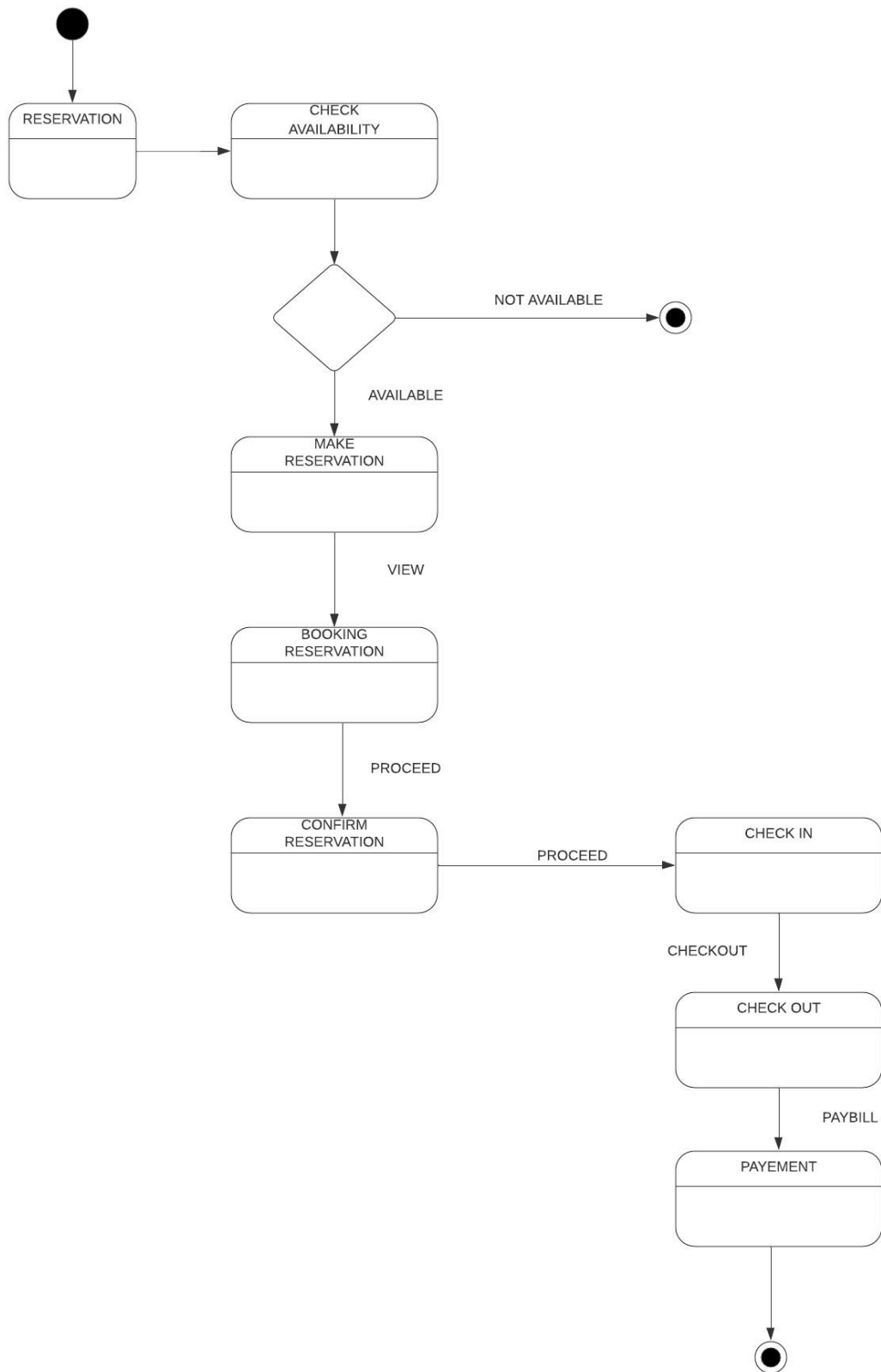
4.1.4 Sequence Diagram



4.1.5 Collaborative Diagram



4.1.6 State Chart Diagram

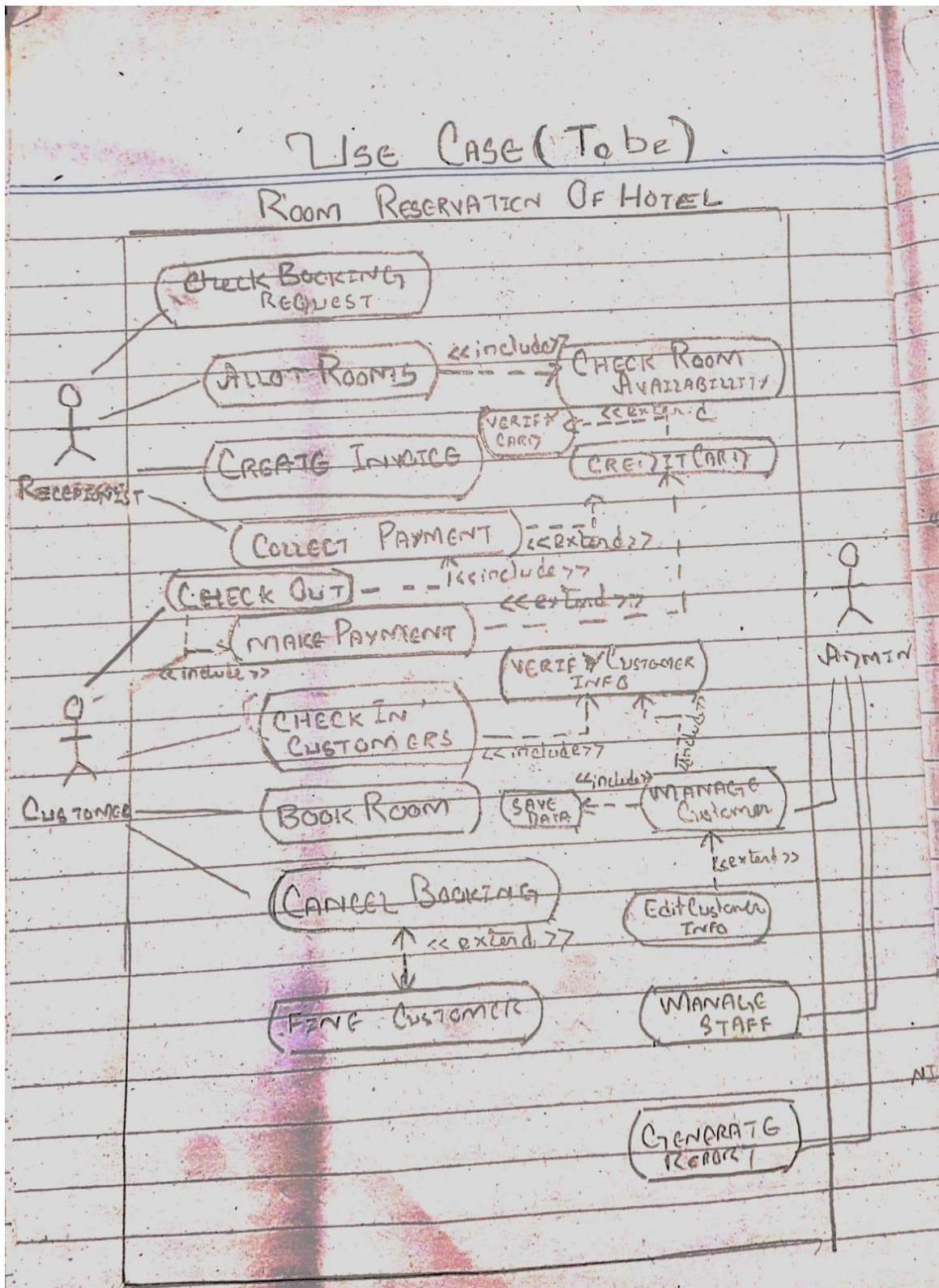


4.1.7 Class Diagram

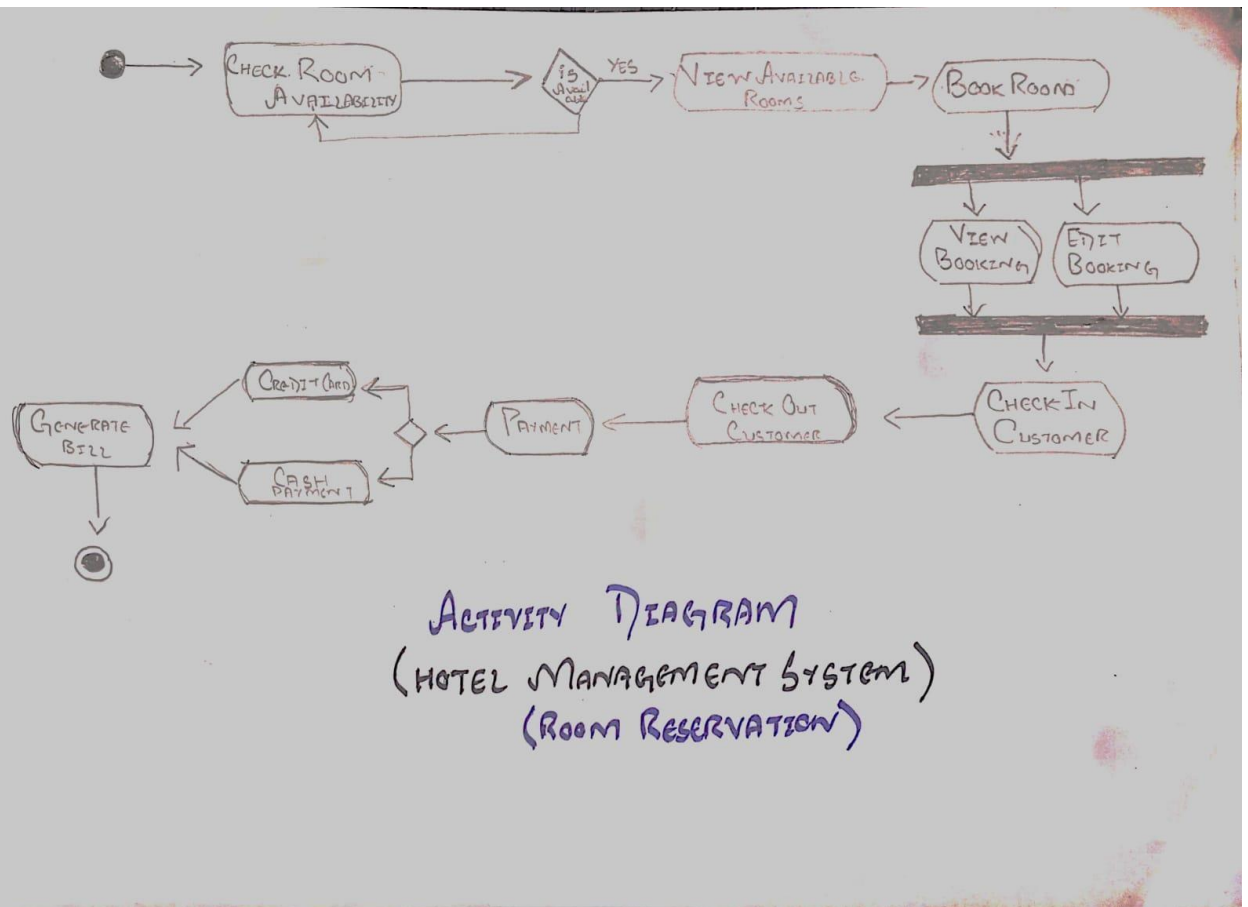


4.2 To Be Diagrams

4.2.1 Use Case Diagram.

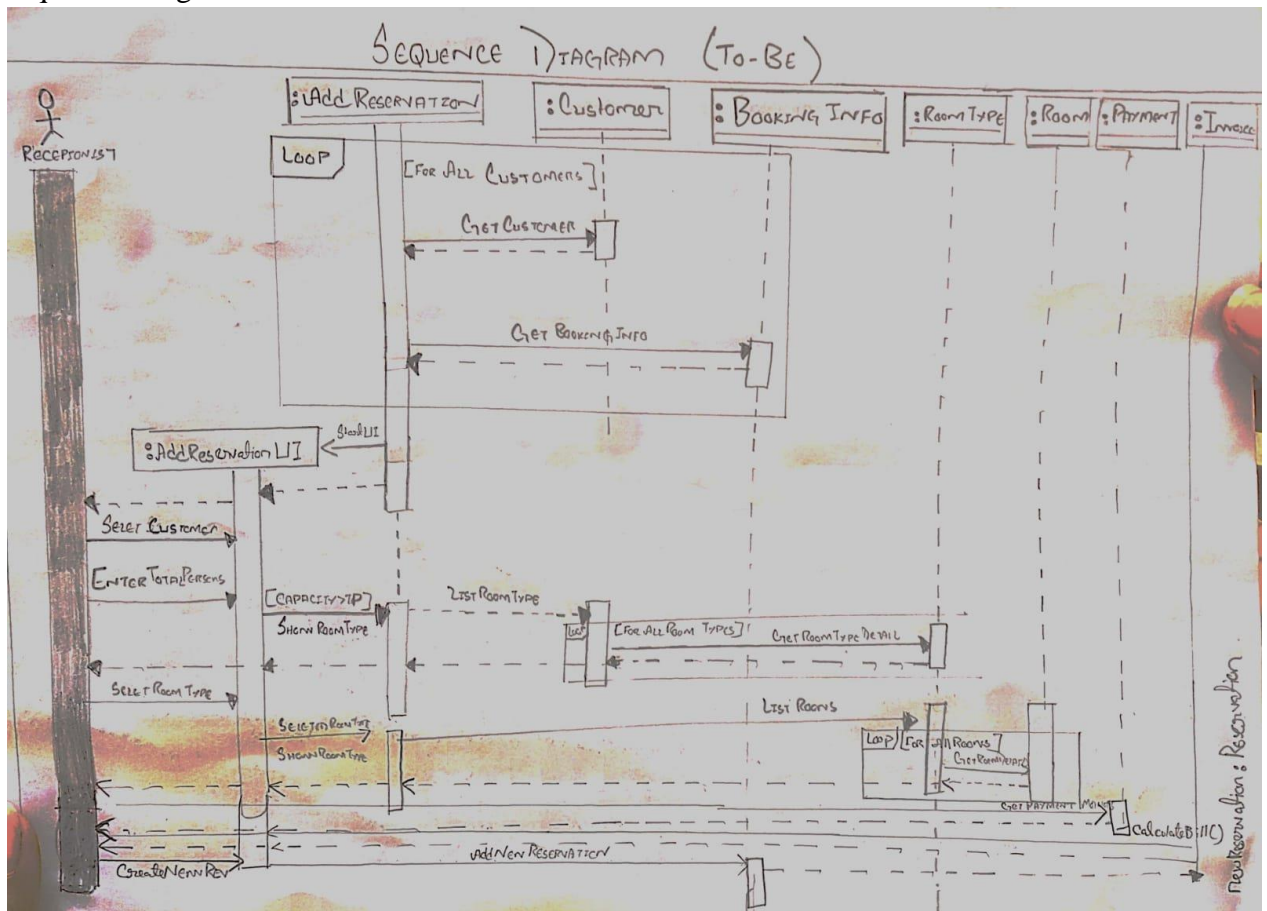


4.2.2 Activity Diagram



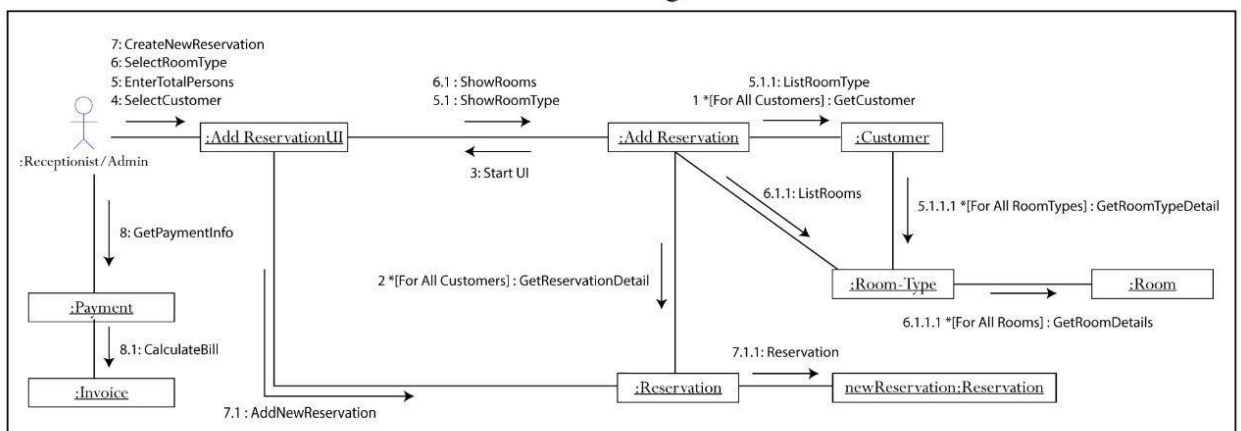
ACTIVITY DIAGRAM
(HOTEL MANAGEMENT SYSTEM)
(ROOM RESERVATION)

4.2.3 Sequence Diagram

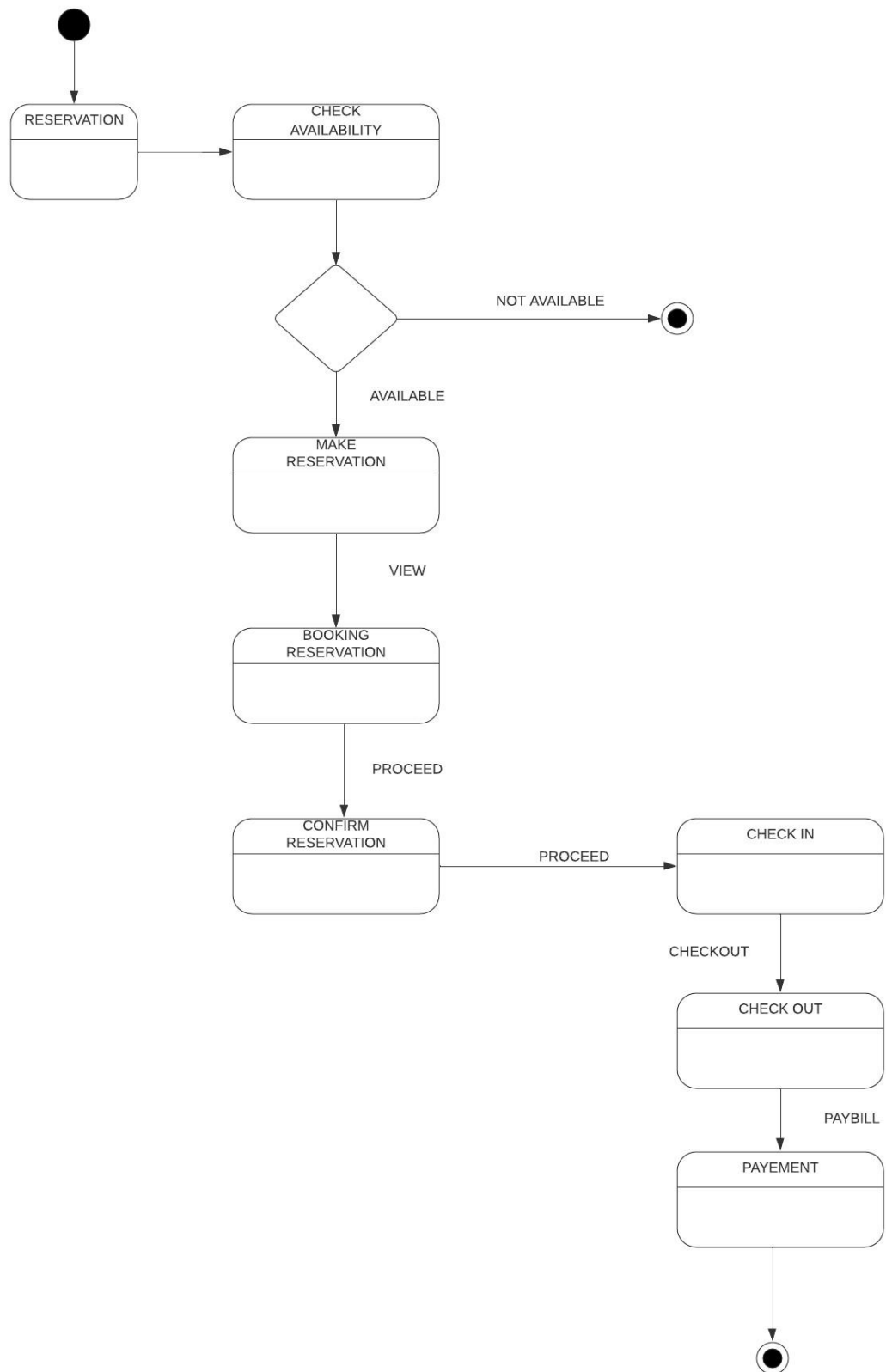


4.2.4 Collaborative Diagram

Collaboration Diagram To-Be



4.2.5 State Chart Diagram



WEBISTE LINK : <http://asphms-001-site1.ctempurl.com/>

CLICKUP LINK: <https://app.clickup.com/7276110/v/l/6y1je-24>

GIT LINK : <https://github.com/Adeel-web/Hotel-Managment-System.git>