

HOTEL MANAGEMENT SYSTEM

Low Level Diagrams



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INTRODUCTION

The hotel management system is the system which is going to be implemented for hotel which will automate the major operations of the hotel. There are different modules present in the system such as Room reservation module, Room module, Inventory control module, etc.

Reservation module will keep track on room reservation and availability. Room module is for manage all room types and room services. The Inventory Control module will keep track in all inventories of the hotel and guest details will handled by guest management.

There are three end users of the system as: Owner, Manager and Receptionist.

Owner will be having access to all system functionalities without any restriction. Manager will be having all rights of the system functionalities but with limited restrictions.

Receptionist can only access to the Reservation management section.

DOCUMENT PURPOSE

The document will provide the whole idea about the system. This will also provide a detailed description of requirements and system functionalities of hotel management system. There is a brief description about the working of newly introduced system. This document will allow for complete understanding of the functionality of proposed system.

TECHNOLOGY USED

Frontend : Angular

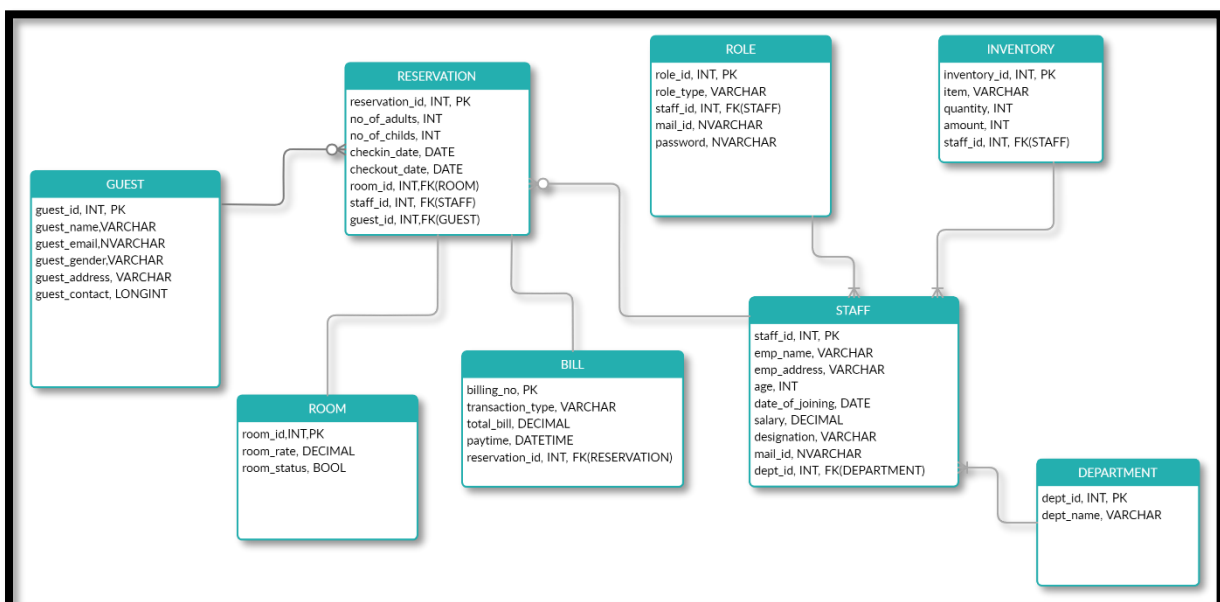
Backend : SQL Server, Asp.Net Core Web API

INTENDED AUDIENCE

This document is intended as a reference for the following roles who are interested in the following Hotel Management.

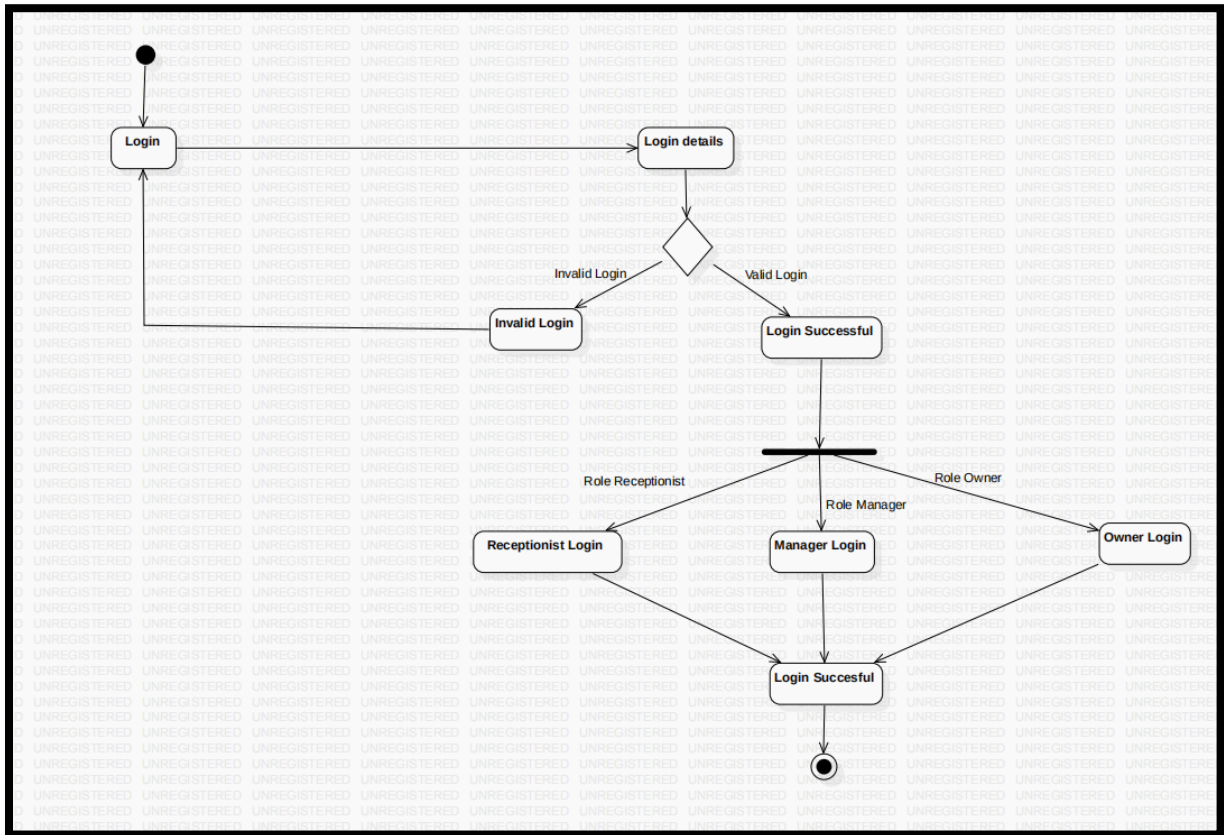
Role	Nature of Engagement in Hotel Management System
OWNER	Hotel owner has rights of monitoring and authorization of all the tasks handled by the system. As the main authorized person of the hotel, Owner gets the ability to manage all the departments including all the reports generated throughout the day. He can also set the room rates. Assigning roles to the staff is also one of the important responsibilities.
MANAGER	Manager has duty of managing top to the bottom level workforce. His responsibility to keeping the hotel running and live, he has to be aware of each and every action taken. The reason of using manager is to reduce the workload of owner. Manager will have all the privileges and rights like owner except things regarding payment handling and managing departments.
RECEPTIONIST	Receptionist has the rights to access reservation system. Receptionist can search rooms, make reservation, issue bill and add guest details.
GUEST	Guests get their room details on their respective e-mails and it will be easy for them to access hotel facilities.

DATABASE DIAGRAM

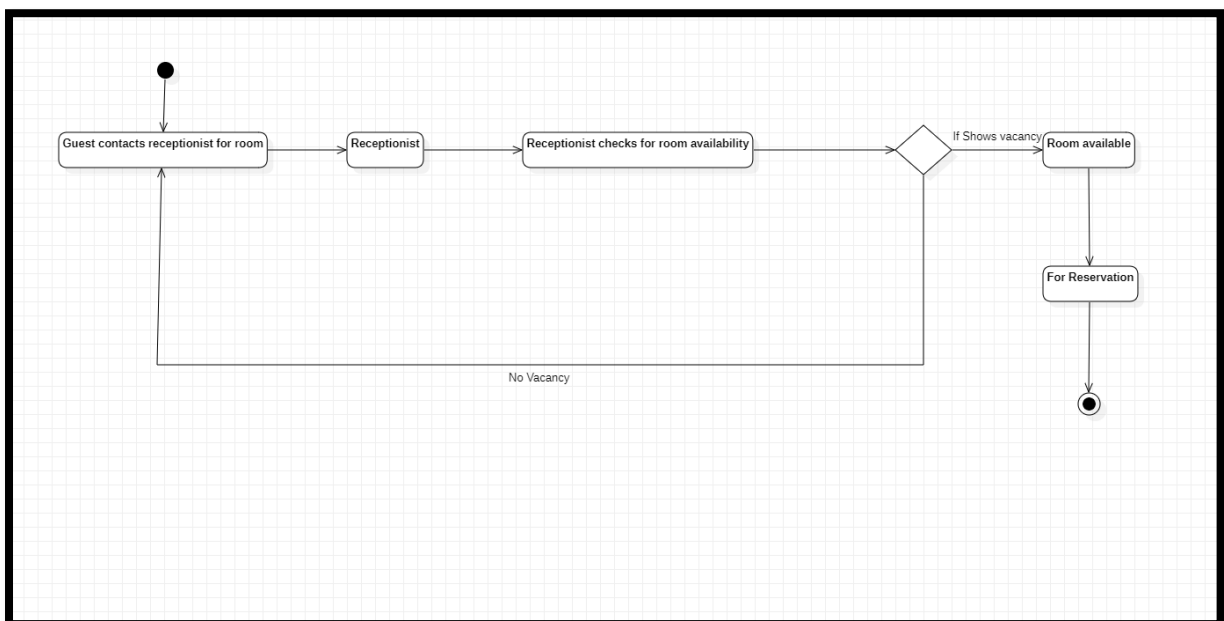


ACTIVITY DIAGRAMS

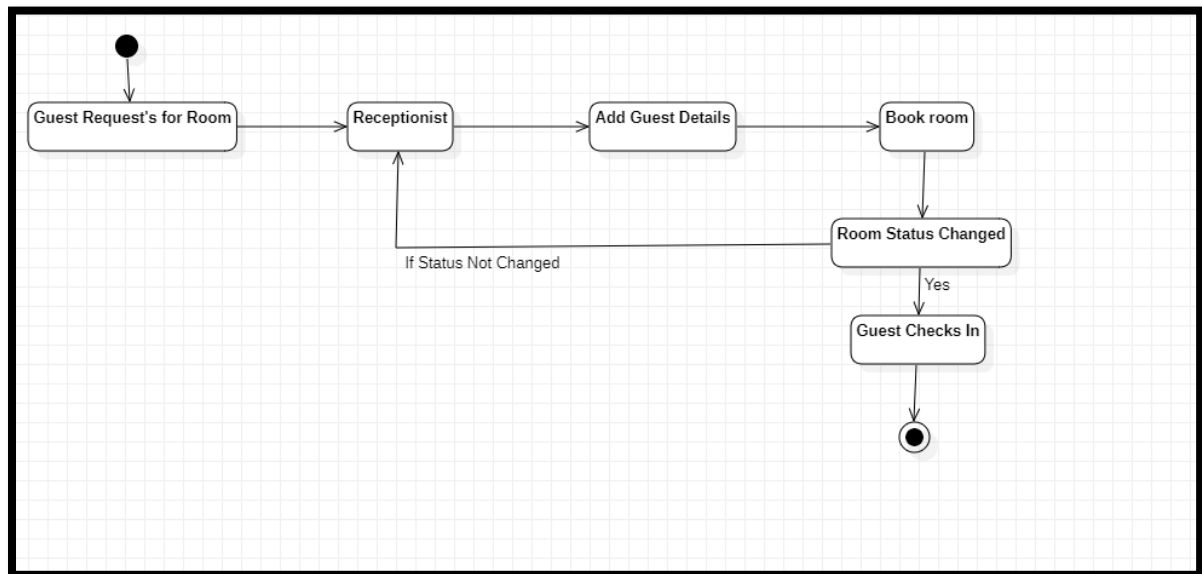
• LOGIN



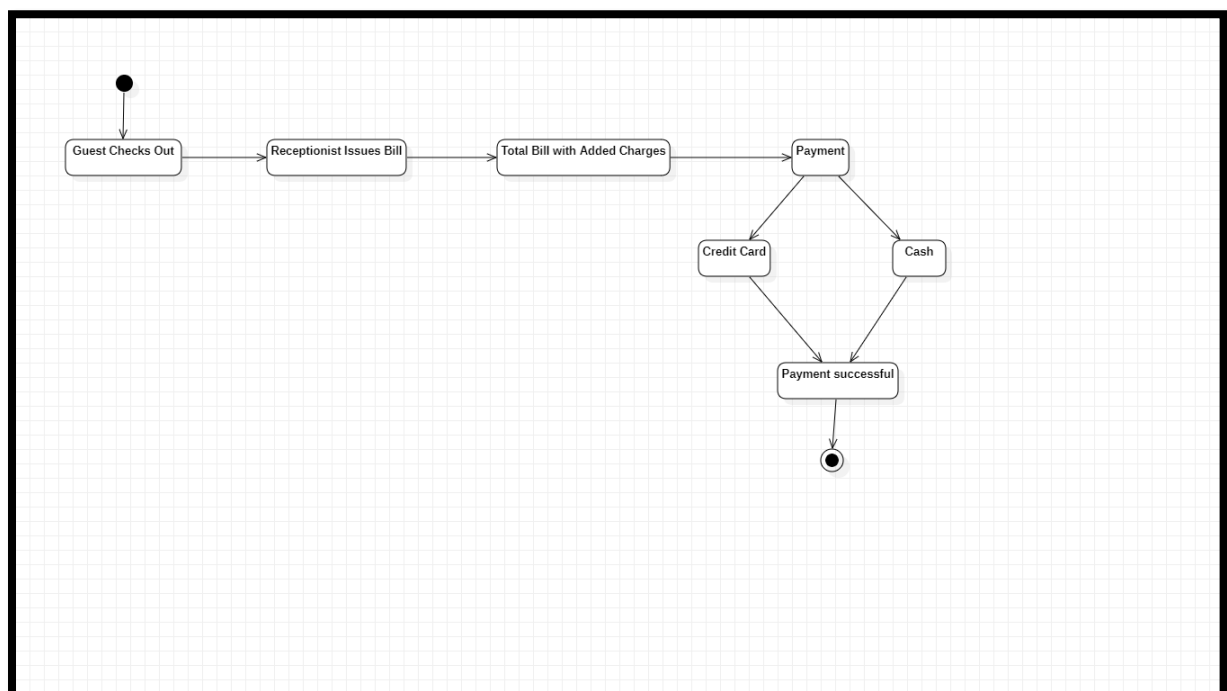
• SEARCH ROOM



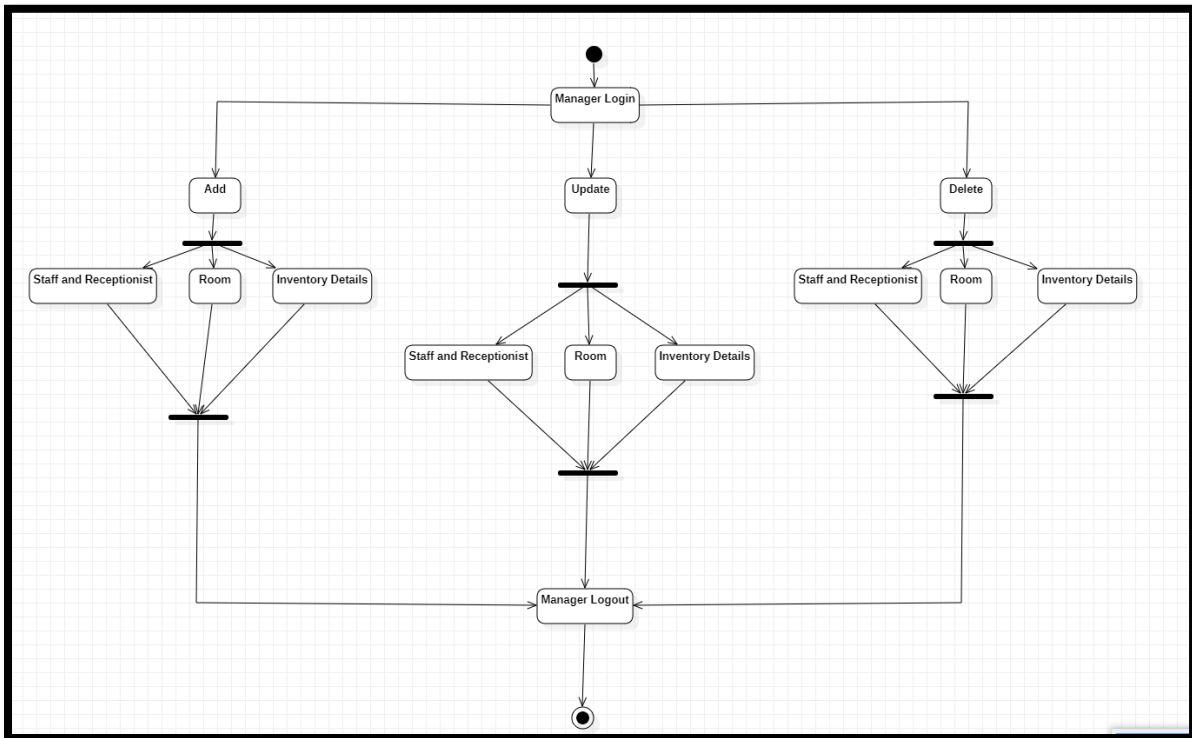
- **RESERVATION**



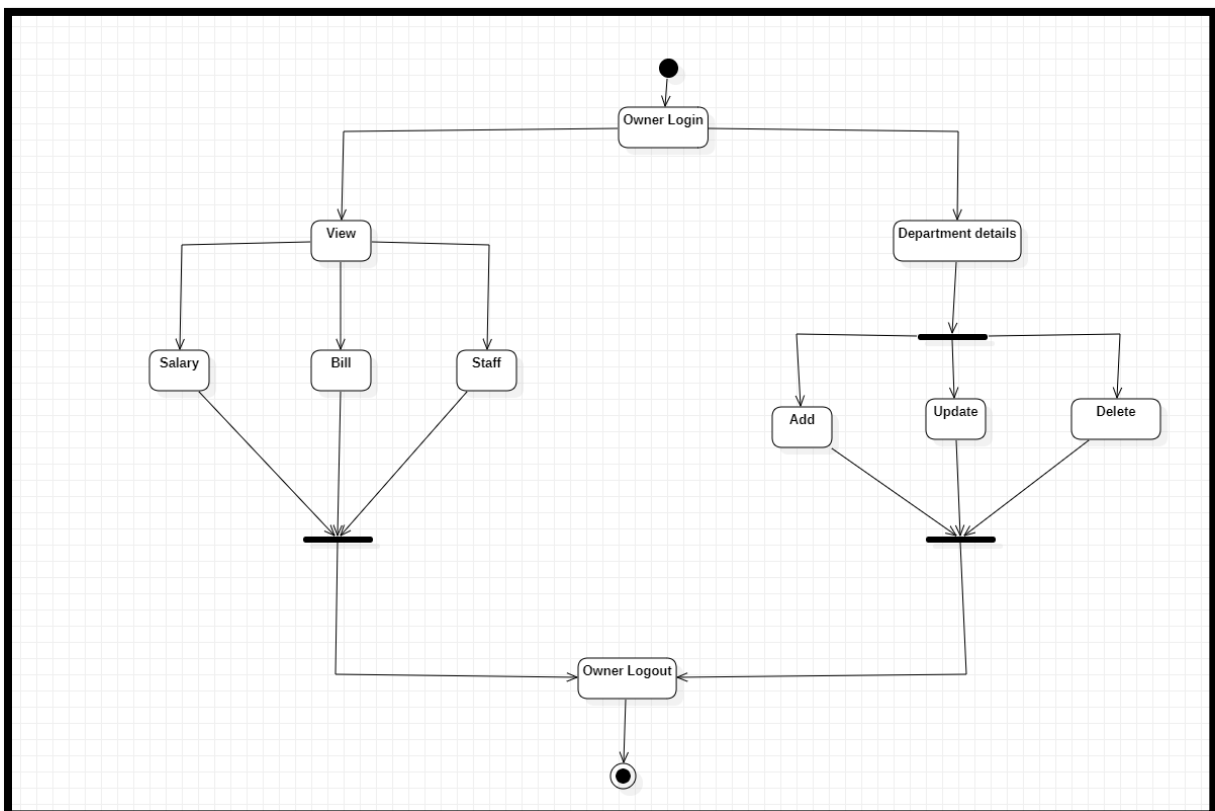
- **BILL**



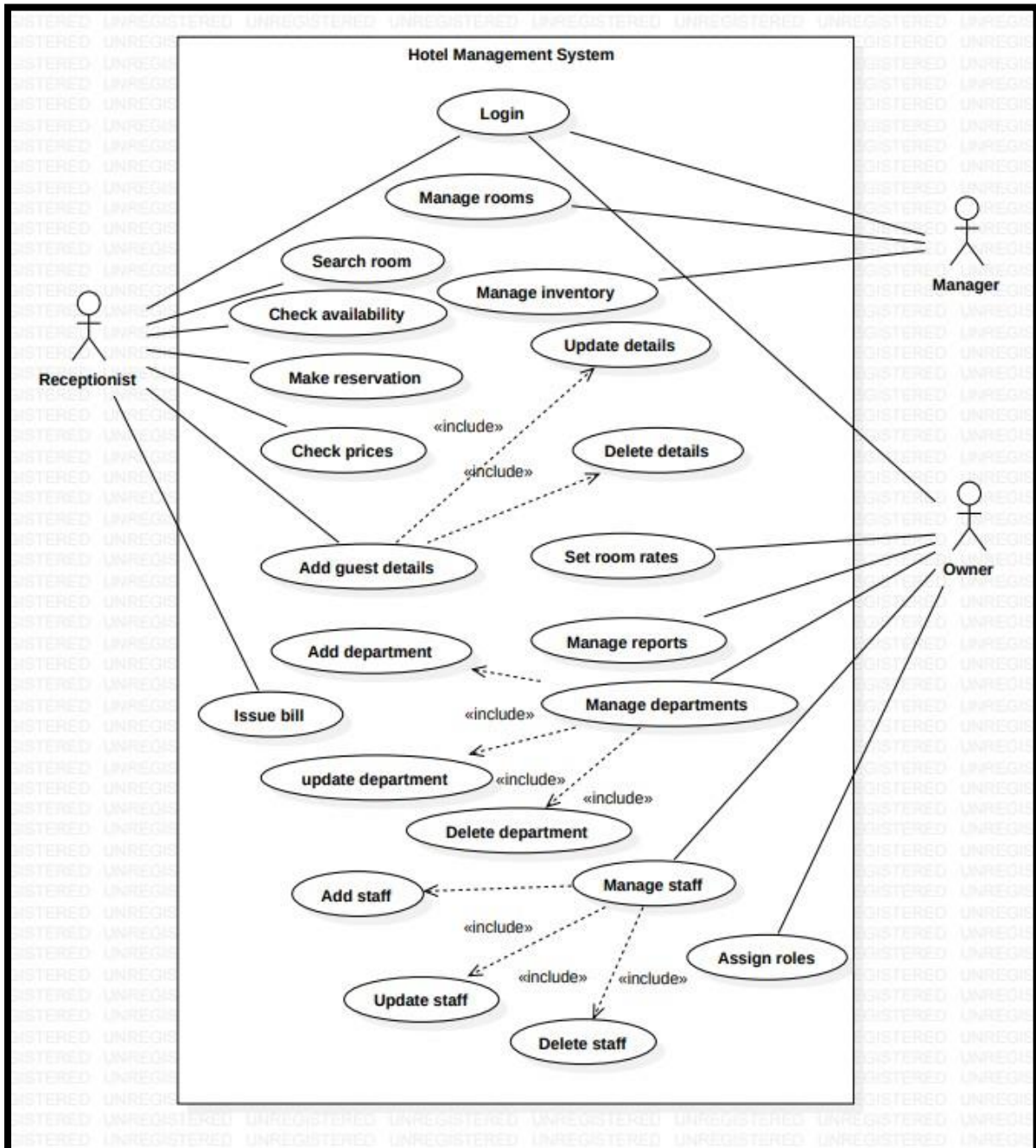
- **MANAGER**



- **OWNER**

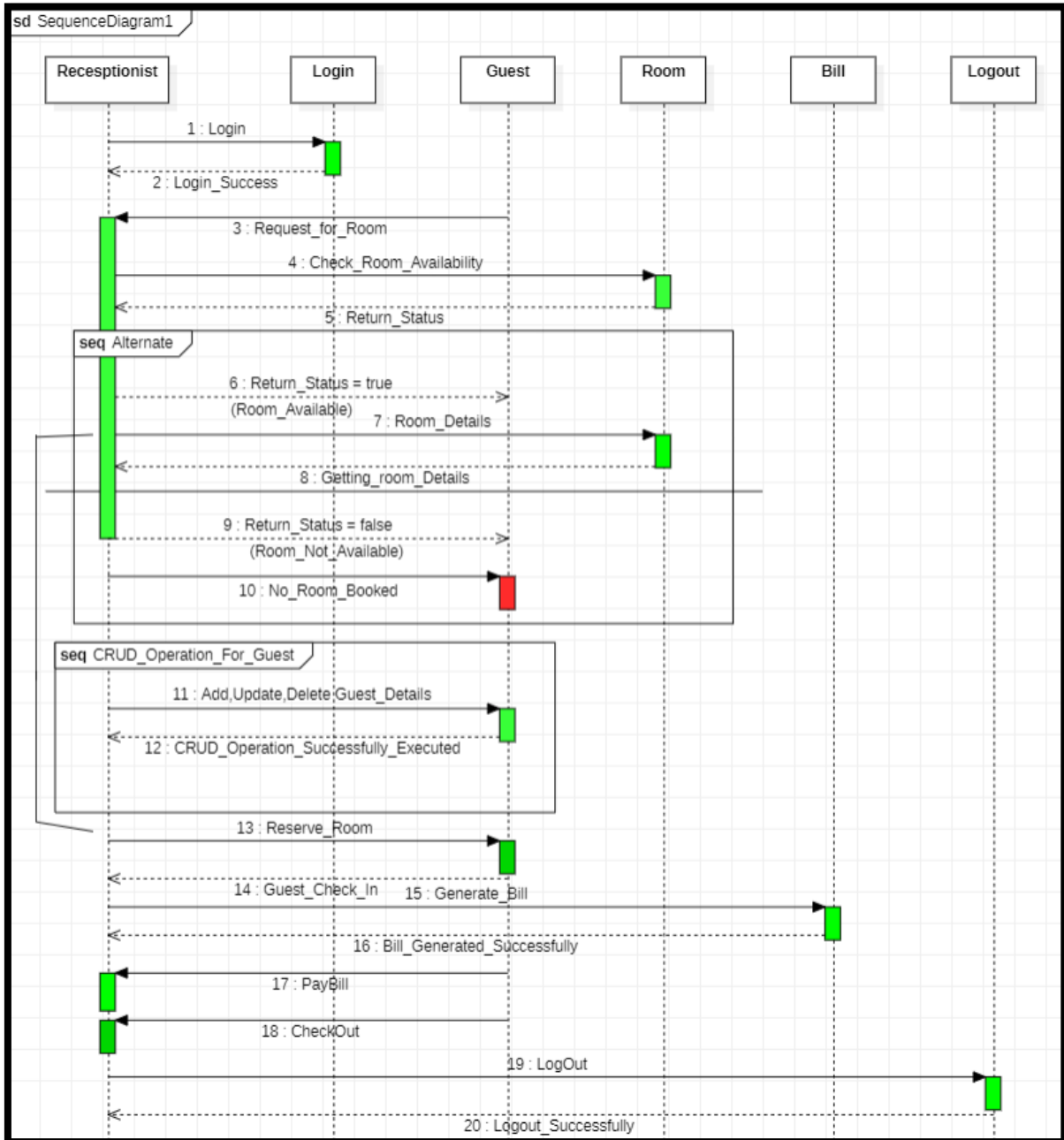


USE CASE DIAGRAM

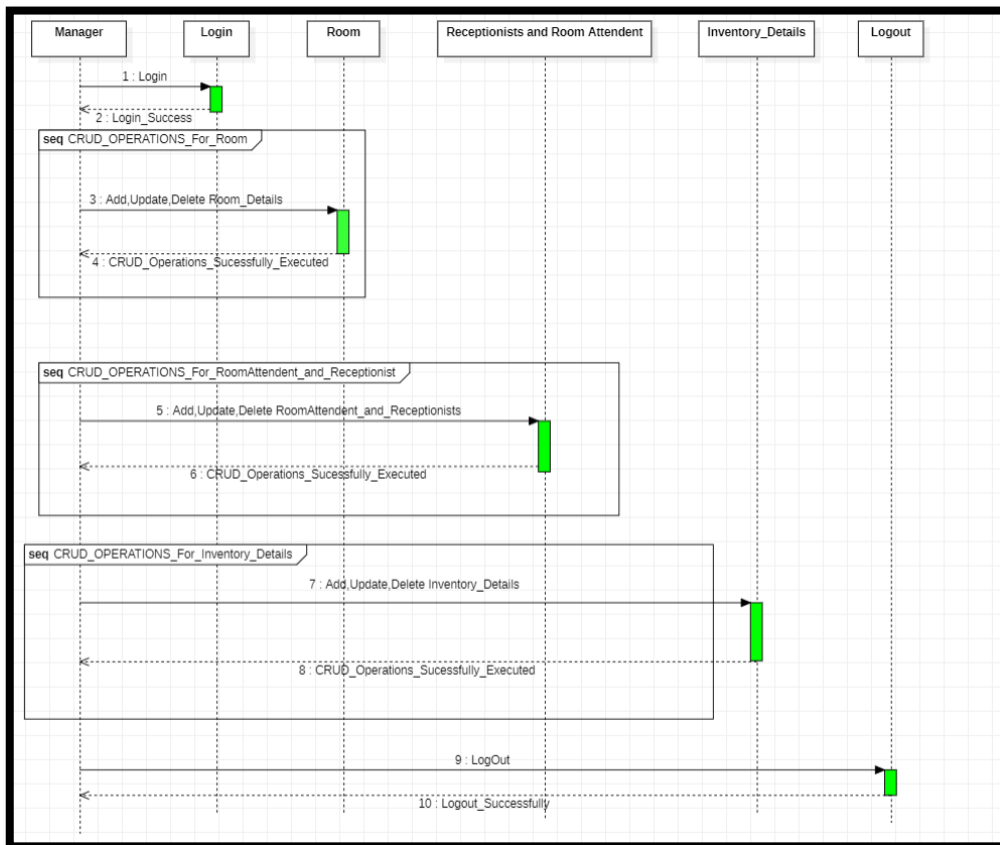


SEQUENCE DIAGRAM

● RECEPTIONIST



- MANAGER**



- OWNER**

