SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

Higher National Diploma in Information Technology

Software Requirement Specification

"Grand Hotel"

(Desktop Application)

Name Of the student	Register Number	Signature
R.M.J.I.Munasinghe	ANU/IT/2019/F/0022	

(HNDIT2404)

Project(individual)

Supervisor : Mr.Pavaridu Sahansith

Academic Year: 2019/2021 Year 2-Semester 02(Fulltime)

Submission Date : (10/10/2021)

TABLE OF CONTENT

1. Introduction

The Software Requirements Specification (SRS) will provide a detailed description of the requirements for the Hotel Management System. This SRS will allow for a complete understanding of what is to be expected from the newly introduced system which is to be constructed. The clear understanding of the system 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.

This will provide the foundation for the SRS project. From this SRS it is possible to design, build and finally test the hotel management system. This SRS is used by the system development team that builds the hotel management system and the hotel end users. SRS is used to fully understand the prospects of this hotel management system for building the appropriate software.

And SRS document, hope to present scope of the project, functional requirement of hotel management system and willing explain the use case diagram. Finally present non- functional requirement of this computerized hotel management system.

2. Scope of Project

The introducing software, Hotel Management System which is going to be implemented for Hotel will automate the major operations of the hotel. The Reservation System is to keep track in room and hall reservation and check availability. The Room Management System is for manage all room types room services.

There is three end users for hotel management system. The End Users are Owner, Manager and Receptionist. Owner can access to all system functionalities without any restrictions. Manager can access to all system functionalities with limited restrictions. Receptionist can only access to the Reservation management section. To keep restrictions for each end user levels hotel management system can create different Login functions.

The purpose of the automated hotel management system is to simplify the day-to-day operations of the hotel. These systems are able to handle all services instantly. This software is used to overcome those shortcomings as a solution for large file handling in the hotel. Security, ease of use and most importantly the efficiency of accessing information are the advantages of this system.

3. Functional Requirement

The functional requirements describe the behavior of the system as it relates to the system's functionality. Those are the main thing the user expects from the system. I hope to include following functional requirements to system.

- To Make Reservations
- To Search Rooms Customers
- To Add Payment Customers
- To Issue Bills Customers
- To Manage Guest (Add, Update Guest)
- To Manage Room Details (Add, Update, Delete)
- To Manage Staff (Add, Update, Delete, View)
- To Retrieve Reports (Staff payment, Income)
- To Manage Users (Add, Update, Delete)

4. Actor Description

Owner

Owner has to done main character in this system. Owner is a character who has manage other two divisions with cooperation. Owner has maintain all functions.

Receptionist

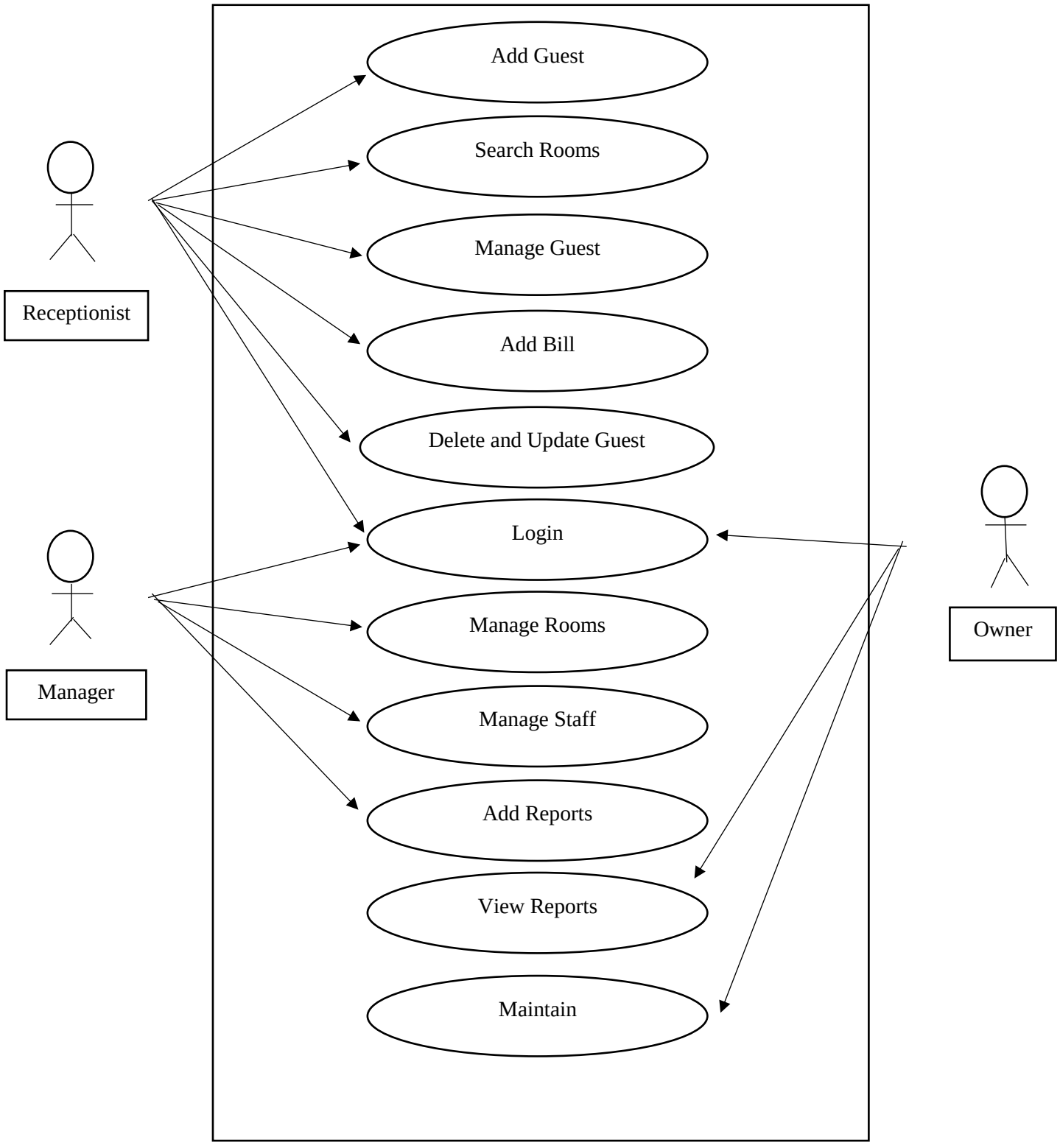
Receptionist has to done add guest, search rooms, delete and update, handle the some cases etc.

Manager

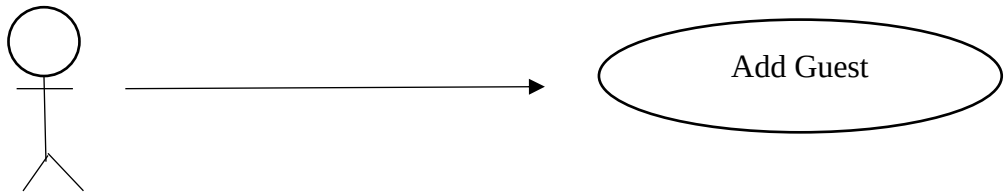
Manage responsibly is very large. Manager has to done manage staff, manage rooms, getting reports and etc.

5. Use Case Diagram

Use case diagrams gives a graphic overview of the actors involved in a system, different functions needed by those actors and how these different functions are interacted.

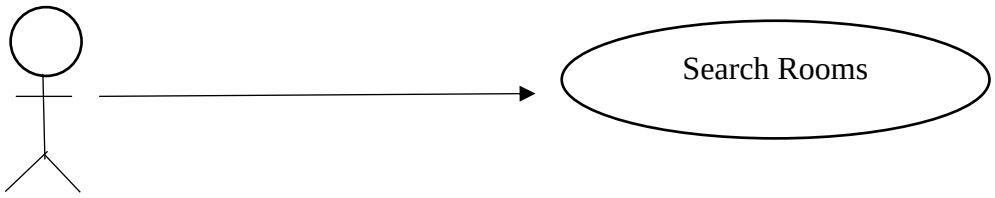


I. Receptionist



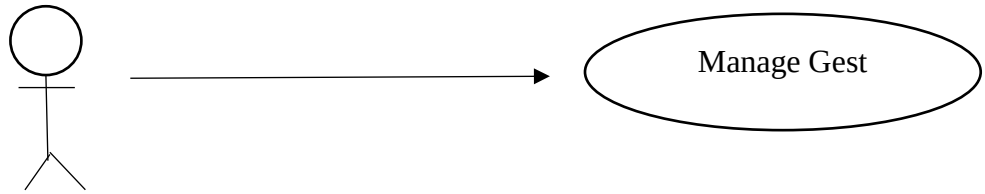
Receptionist

1.	Use case name	Add Guest
2.	Actor	Receptionist
3.	Pre-condition	Gest shouldn’t already be exit
4.	Description	Add a new guest to the system Update database
5.	Post condition	Hotel guest details updated in to include current guest



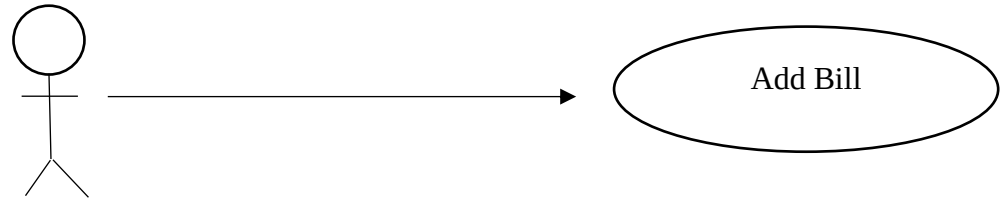
Receptionist

1.	Use case name	Search Rooms
2.	Actor	Receptionist
3.	Pre-condition	Login in to the system
4.	Description	Add a new room to the system System validates new room information
5.	Post condition	Hotel rooms details updated in to include current room



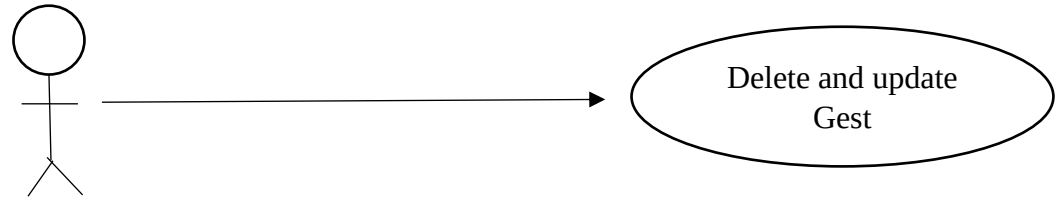
Receptionist

1.	Use case name	Manage Guest
2.	Actor	Receptionist
3.	Pre-condition	Log in to the system
4.	Description	User interface displayed Select “edit guest” option Enter guest details Update database
5.	Post condition	Guest details edited



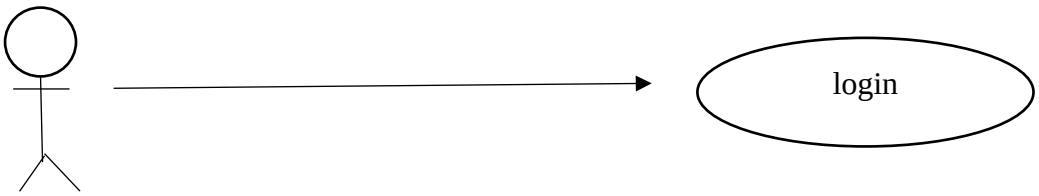
Receptionist

1.	Use case name	Add Bill
2.	Actor	Receptionist
3.	Pre-condition	Login in to system
4.	Description	User select ”add bill” option. And print bill
5.	Post condition	Guest bill add to system



Receptionist

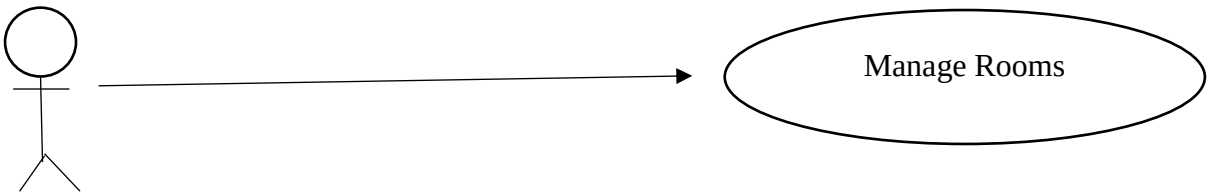
1.	Use case name	Delete and update Guest
2.	Actor	Receptionist
3.	Pre-condition	Login in to the system
4.	Description	User select “delete” option Display delete User select rooms Update database
5.	Post condition	Guest details delete and update



Receptionist

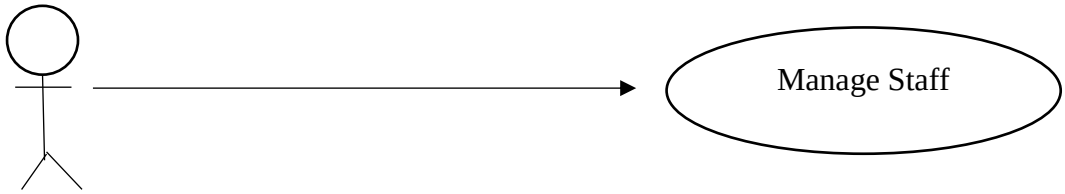
1.	Use case name	Login
2.	Actor	Receptionist
3.	Pre-condition	Login to the system
4.	Description	Receptionist click “login” button Log to system Update database
5.	Post condition	Receptionist always login to system

II. Manager



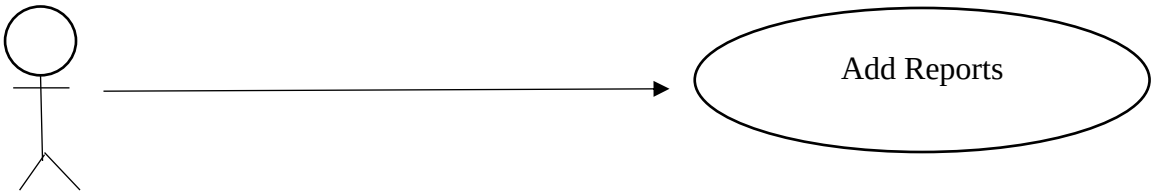
Manager

1.	Use case name	Manage Rooms
2.	Actor	Manger
3.	Pre-condition	Login in to the system
4.	Description	Manager click “add room” button System validates new room information Update database System prompts the manager to fill out room details
5.	Post condition	Manage guest rooms



Manager

1.	Use case name	Manage Staff
2.	Actor	Manager
3.	Pre-condition	Login to the system
4.	Description	Manager click “staff” button Update database
5.	Post condition	Manager manage staff



Manager

1.	Use case name	Add Reports
2.	Actor	Manage
3.	Pre-condition	Login to the system
4.	Description	Manager takes a report on what happened during the day Update database
5.	Post condition	Manager maintain reports and check reports

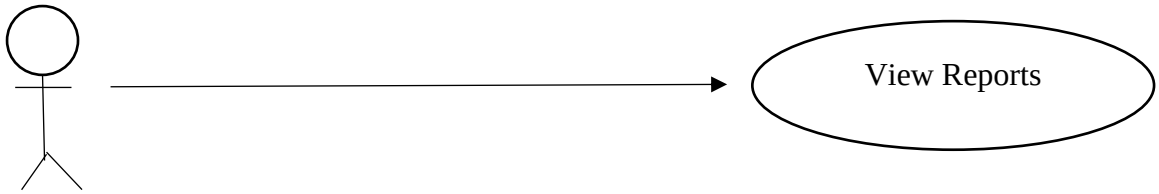
Manager

1.	Use case name	Login
2.	Actor	Manager
3.	Pre-condition	Login to the system
4.	Description	Manager click “login” button Log to system
5.	Post condition	Manager always login to system

III. Owner

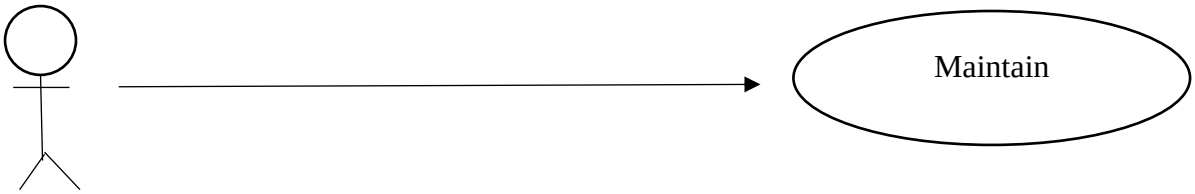
Owner

1.	Use case name	Login
2.	Actor	Owner
3.	Pre-condition	Login to the system
4.	Description	Owner click “login” button log to system Update database
5.	Post condition	Owner always login to the system and check



Owner

1.	Use case name	View Reports
2.	Actor	Owner
3.	Pre-condition	Owner must login in to the system
4.	Description	Owner check reports on what happened during the day Update database
5.	Post condition	Owner manage staff and check bills



Owner

1.	Use case name	Maintain
2.	Actor	Owner
3.	Pre-condition	Owner always login to the system
4.	Description	Owner Maintain the system Update system and update database
5.	Post condition	Owner Manage staff and system and owner has always maintain the system

6. Non-Functional Requirement

Non-functional requirements cover all the remaining requirements which are not covered by the functional requirements. They specify conditions that judge the operation of a system, rather than specific tasks.

- **Security -**

  There should be a good security to avoid unauthorized data manipulation. Also should provide user account privileges.

- **User Friendliness –**

  “Hotel management System” should be easy to use by new existing users.

- **Backup facility –**

  The system should provide automatic and manual database backup

  features to avoid unexpected data losses.

- **Reliability –**

  The hotel management system should work properly without having runtime errors when using the system.

- **Interoperability –**

  The hotel management system should work good with other application such as servers, database etc..