# Lustriyo Hotel

# Hotel Management System

## Project Proposal

MADSE211F 003  -  C. O. JAYAWARDANA

National Institute of Business Management

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# Chapter 1: Introduction

This project can facilitate hotel's reservations and administrative management. It can control front-desk operations, reservation management, room allocation, housekeeping, payment processing, automated task allocation, generating automatic receipts and revenue management.

## 1.1 Problem Statement

The existing system has outdated and difficult to use interfaces, slow processing during check-in and check-out time, manual employee task allocation, no backup of database and weak security

## 1.2 Aim and Objectives

The aim of this project is to create an automated hotel management system that keeps track of customer data, room allocation, booking status, payment processing, employee task allocation, generating automated reports and management of revenue.

Instead of making all paperwork, this is automated software that reduces paperwork and gives accurate results in less time. Hotel management System by 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 can approve or reject the booking. Other hotel services can also be viewed by the customers and can book them too.

# Chapter 2: Functionalities

The project aims at Business process automation. we have to try to computer use various processes of the hotel halls and rooms booking system.
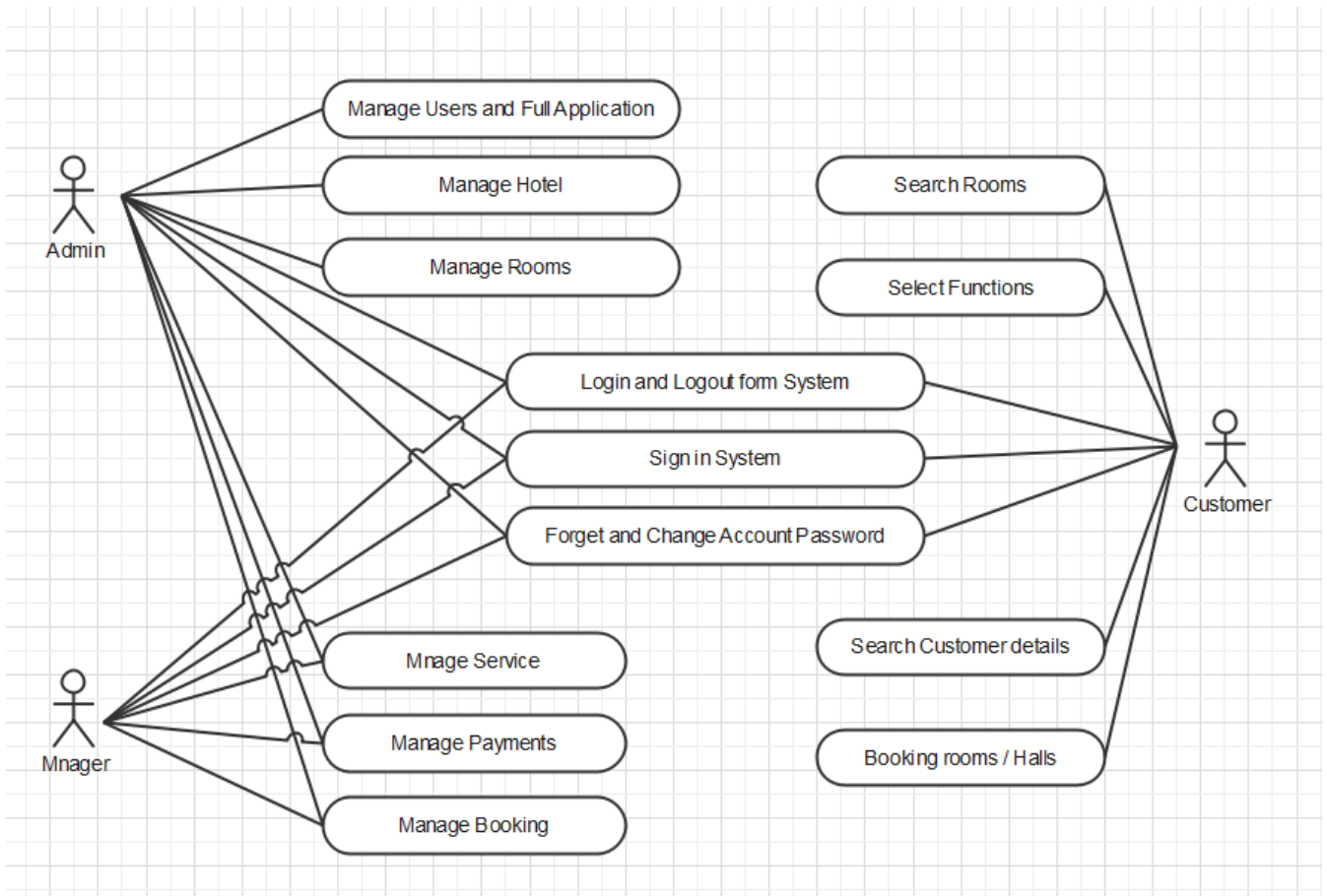
## 2.1 Scope of Study

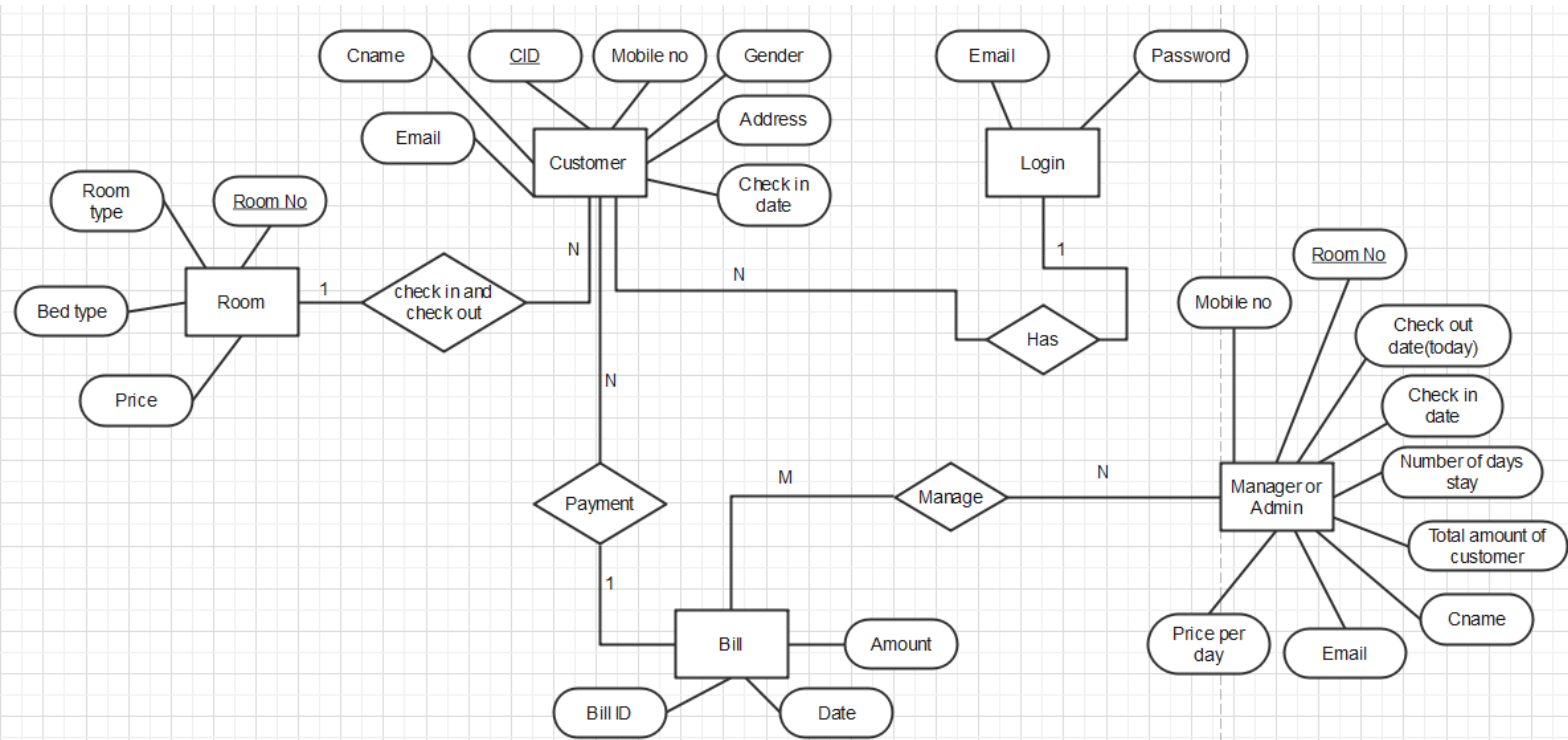The System would include the following contents:

- Manage Room – Customer can search and checking room category and room features before the booking.     (connect to the database)
- Customer Check in – Customer can enter her/she details and register the system. Customer can booking the room or wedding hall after the checking features.
- Customer Check out – In the system manager or admin can search a room number and find the booking details and customer details. (connect to the database)
- Customer details bill – Manager or Admin can select the customer ID and automatically created a bill by the system. ( connect to the database)
- Log out – Admin or Manager can Log out the system.
- Exit – Admin or Manager can Exit the system.

# Chapter 3: Appendix

## 3.1 Use case diagram

## 3.2 ER diagram

## 3.3 Final tables

### 3.3.1 Required Tools and Technologies

Software Requirements:

| Name of the Component | Specification |
|---|---|
| Operating System | Windows 10 |
| Language | MySQL Database, J Frame, JavaScript, Netbeans |
| Database | MySQL Server |
| Browser | Google Chrome, Microsoft Edge, Internet Explorer |
| Database JDBC Driver | MySQL |

Hardware Requirements:

| Name of the Component | Specification |
|---|---|
| Processor | Pentium 4 or above processor |
| RAM | 512MB or above |
| Hard disk | 20GB or above |
| Keyboard | 104 keys |