



Project Report on
“Hotel Management System”

in partial fulfilment for the award of the degree

of

BACHELOR OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Introduction

The Hotel Management System is a desktop application designed to help hotel managers handle daily operations efficiently. With an interactive GUI, it enables the management of rooms, employees and customers. The system streamlines room booking, staff management, and other hotel-related tasks, reducing manual paperwork. It allows managers to post available rooms and track customer check-ins, room allocations, checkouts, and room availability. The purpose is to automate and simplify hotel operations, ensuring a seamless and organized management process.

The application of the Hotel Management System bears the following functions to use by the Administrator:

- Add an Employee
- Add a new Customer
- Check room status
- Bill details
- Check all Customers' details
- Update room status
- Customers' CheckOut.

Administrative Modules

There are modules I have included in this project :

1. Receptionist : Receptionist can add a new customer and allocate rooms, can check all room details, customers details, employee details, search for a particular room etc.

Main Objective

Main objective of this project is to provide solution for hotel to manage most there work using computerized process. This software application will help admin to handle customer information, room allocation details, Payment details etc.

- Keeping records of admission of customers.
- Facilities provided by Hotel are fully utilized in effective and efficient manner.

Software Interfaces

Programming Language Java

Back End Tool MySql 8.0 command line client

Database Tables

1. Manage Room

Field	Datatype	Constraint
Roomnumber	Numeric(30)	PK
RoomType	Varchar(30)	NN
Status	Varchar(30)	NN
Price	Number(30)	NN
BedType	Varchar(30)	NN

2.Customer CheckIN

Field	Datatype	Constraint
Roomnumber	Varchar(30)	NN
number	Numeric(30)	PK
name	Varchar(30)	NN
gender	Varchar(30)	NN
country	Varchar(30)	NN
BedType	Varchar(30)	NN
Checkindate	Varchar(30)	NN

3. Customer CheckOut

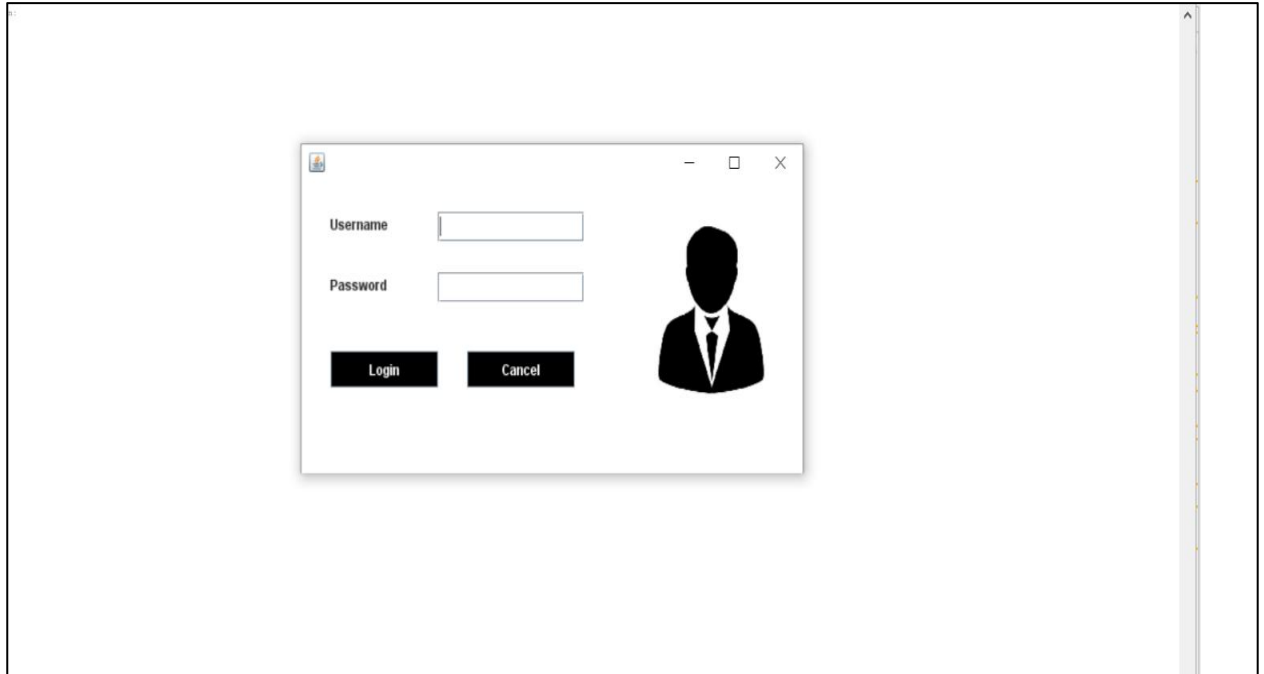
Field	Data Type	Constraint
Name	Varchar(30)	NN
Mobilenummer	Numeric(30)	NN
Gender	Varchar(30)	NN
Checkindate	Varchar(30)	NN
Price	Number(30)	NN
Phone	Number(30)	NN
Nidnumber	Number(30)	PK

4.Login

Field	Data Type	Constraint
Username	Varchar(30)	PK
Password	Varchar(30)	NN

Screenshots


1. Login Page



2. DashBoard Page



3.Manage Room Page

**Manage Room**

Room Number

Room Type

Bed Type

Price

Status

Room Number

Room Type

Bed

Price

Add Room

Room


Checkin

Bill Details

Checkout

Logout

4. CheckIn Page

 **CheckIn**

5. CheckOut Page

The screenshot shows a web application window titled "CheckOut" with a green gradient background. It features a search bar for "Room Number" and a "Search" button. Below this are input fields for "Name", "Mobile Number", "Nid Number", and "Price", along with a "CheckIn Date" field. "Check..." and "Clear" buttons are positioned to the right of the date field. At the bottom, a table with columns "Name", "Number", "Price", and "Nid Number" is shown, currently empty. A sidebar on the right contains navigation buttons: "Room", "Checkin", "Bill Details", "Checkout" (highlighted), and "Logout".

CheckOut Close

Room Number Search

Name Mobile Number Nid Number

Price CheckIn Date Check... Clear

Name	Number	Price	Nid Number
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Room Checkin Bill Details **Checkout** Logout

6. Customer Bill

The screenshot shows a web application window titled "Customer Bill" with a blue gradient background. It features a search bar for "Search by Check-Out Date" and "Search" and "Refresh" buttons. Below this is a table with columns "Name", "Number", "Room Number", "Bed Type", and "Price", currently empty. A sidebar on the right contains navigation buttons: "Room", "Checkin", "Bill Details", "Checkout" (highlighted), and "Logout".

Customer Bill Close

Search by Check-Out Date Search Refresh

Name	Number	Room Number	Bed Type	Price
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Room Checkin Bill Details **Checkout** Logout