

College LOGO

Project Report on

“Hotel Management System”

in partial fulfilment for the award of the degree

of

BACHELOR OF TECHNOLOGY

Branch – Branch Name

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

College Name

College Address

Submitted By:

Name

Roll Number

College Name

DECLARATION

I declare that project entitled “**Hotel Management System**” is my own work conducted under the supervision of “**Professor Name**”, Department of **Branch Name**, **College Name**, **College Address**

I further declare that, to the best of my knowledge the project does not contain any work which has been submitted for the award of the degree either in the University or in any other University/Deemed University without proper citations.

Acknowledgment

I wish to express my sincere gratitude to God for his protection, providence, guidance and above all, for sustaining us.

I would like to express our special thanks of gratitude to our professor '**Professor Name**' as well as our H.O.D '**HOD Name**' who gave me the golden opportunity to do this wonderful **project** on the topic '**Hotel Management System**', which also helped me in doing a lot of Research and gaining some precious

Abstract

In my project "**Hotel Management System**" I have tried to show how the data/information in hotels is managed. This is just an overview of management in hotels. It manages and maintains the records of customers, rooms, employees and

drivers in the hotel. The project is aimed to maintain the day-to-day state of admission/vacation of Residents, List of employees, room details etc. 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.

The rooms have different categories like single bed, double bed etc. so their charges and records will be maintained accordingly.

This software has been made in a user friendly interface, so that anyone can add, delete, update the entries and handle all the transactions easily. As a security I have provided Admin username and Password.

Introduction

The project, Hotel Management System is a desktop-based application that allows the hotel manager to handle all hotel activities online. Interactive GUI and the ability to manage various rooms, employees, drivers and customers 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.

The Purpose of the whole process is to ease the daily or regular activities of the Hotel Management into an automatic computerized retrievable process. The daily activities includes the Room activities, Entering details of the new customer check in, To allocate a room as per the customer need and interest, Recording the checkout time and details, Releasing or Empty of room and to record the process in a computer system for future.

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

- Add a new Room
- Add an Employee
- Add a new Customer
- Check room status
- Check all employees' details
- Check all Customers' details

- Update room status
- Update check status etc.

Administrative Modules

There are 2 modules I have included in this project :

1. Admin : Admin can add a new room , a new employee and a new driver.
2. 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.

Existing System:

In the existing manual system a lot of time is spent in communicating the information across different branches. There is a need for an automated system, which has some centralized control over the entire process. Conventional System makes use of huge amounts of paper for recording transactions. All the Hotel records are to be maintained for the details of each customer, Fee details, Room Allocation etc.

Disadvantages:

- Time consuming
- Inaccuracy of data

Proposed System:

Proposed system is the computerized version of the existing system which provides easy and quick access over the data. Keeping the records of admission of Resident properly so that facilities provided by Hotels are fully utilized in effective and efficient manner.

Advantages:

- Less Time consuming
- Maintain accuracy

Requirements

User Interface:

The User interface required to be developed for the system should be user friendly and attractive.

There are two sets of java APIs for graphics programming:

AWT (Abstract Windowing Toolkit) and Swing.

- AWT API was introduced in JDK 1.0. Most of the AWT components have become obsolete and should be replaced by newer Swing components.
- Swing API, a much more comprehensive set of graphics libraries that enhances the AWT, was introduced as part of Java Foundation Classes (JFC) after the release of JDK 1.1. JFC consists of Swing, Java2D, Accessibility, Internationalization, and Pluggable Look-and-Feel Support APIs. JFC was an add-on to JDK 1.1 but has been integrated into core Java since JDK 1.2.

Software Interfaces

Programming Language Java

Back End Tool MySql 5.5 command line client

Database Tables

1. Customer

Field	Datatype	Constraint
id	Varchar(30)	NN
number	Numeric(30)	PK
name	Varchar(30)	NN
gender	Varchar(30)	NN
country	Varchar(30)	NN
Room number	Numeric(30)	NN

Status	Varchar(30)	NN
Deposit	Numeric(30)	NN

2. Room

Field	Datatype	Constraint
Room_number	Numeric(30)	PK
availability	Varchar(30)	NN
Clean status	Varchar(30)	NN
Price	Number(30)	NN
BedType	Varchar(30)	NN

3.Employee

Field	Data Type	Constraint
Name	Varchar(30)	NN
Age	Numeric(30)	NN
Gender	Varchar(30)	NN
Job	Varchar(30)	NN
Salary	Number(30)	NN
Phone	Number(30)	NN
Adhar	Number(30)	PK
Email	Varchar(30)	NN

4.Driver

Field	Data Type	Constraint
Name	Varchar(30)	NN
Age	Numeric(30)	NN
Gender	Varchar(30)	NN
Company	Varchar(30)	NN
Brand	Varchar(30)	NN
Available	Varchar(30)	NN

Location	Varchar(30)	NN
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5.Login

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

6.Department

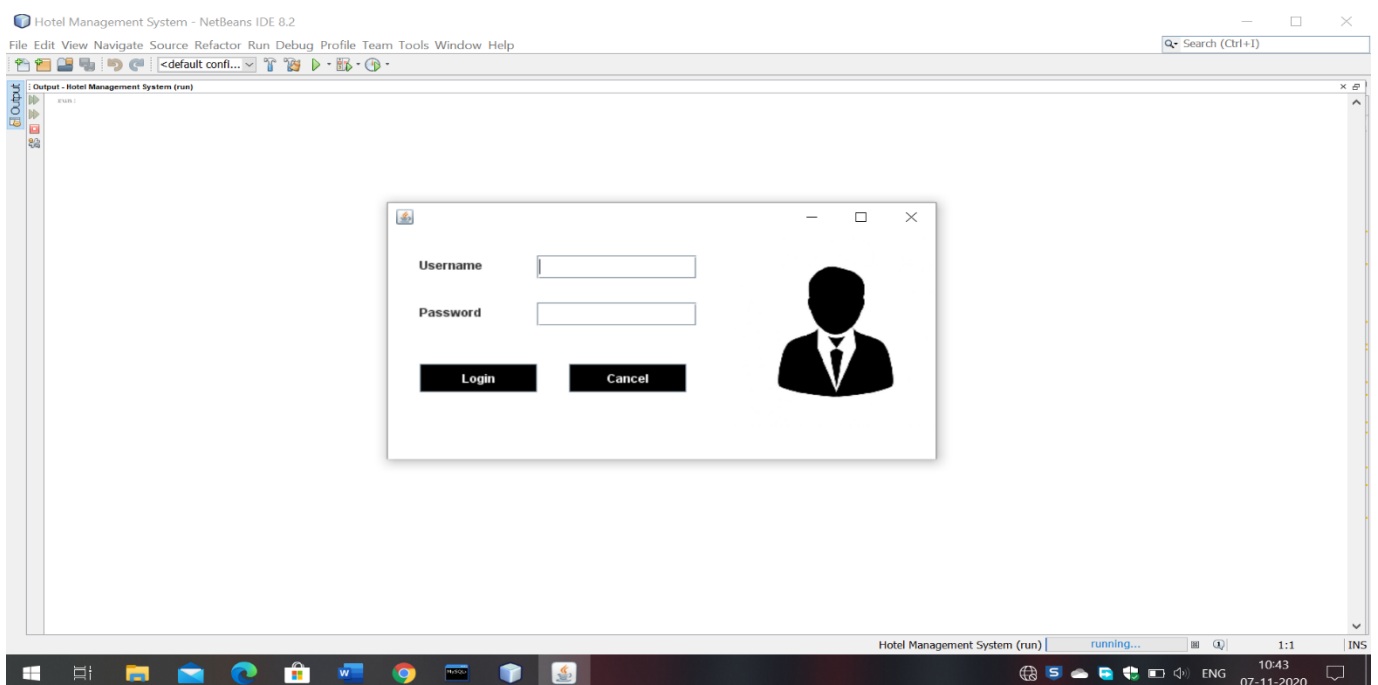
Field	Data Type	Constraint
Department	Varchar(30)	PK
Budget	Numeric(30)	NN

Screenshots

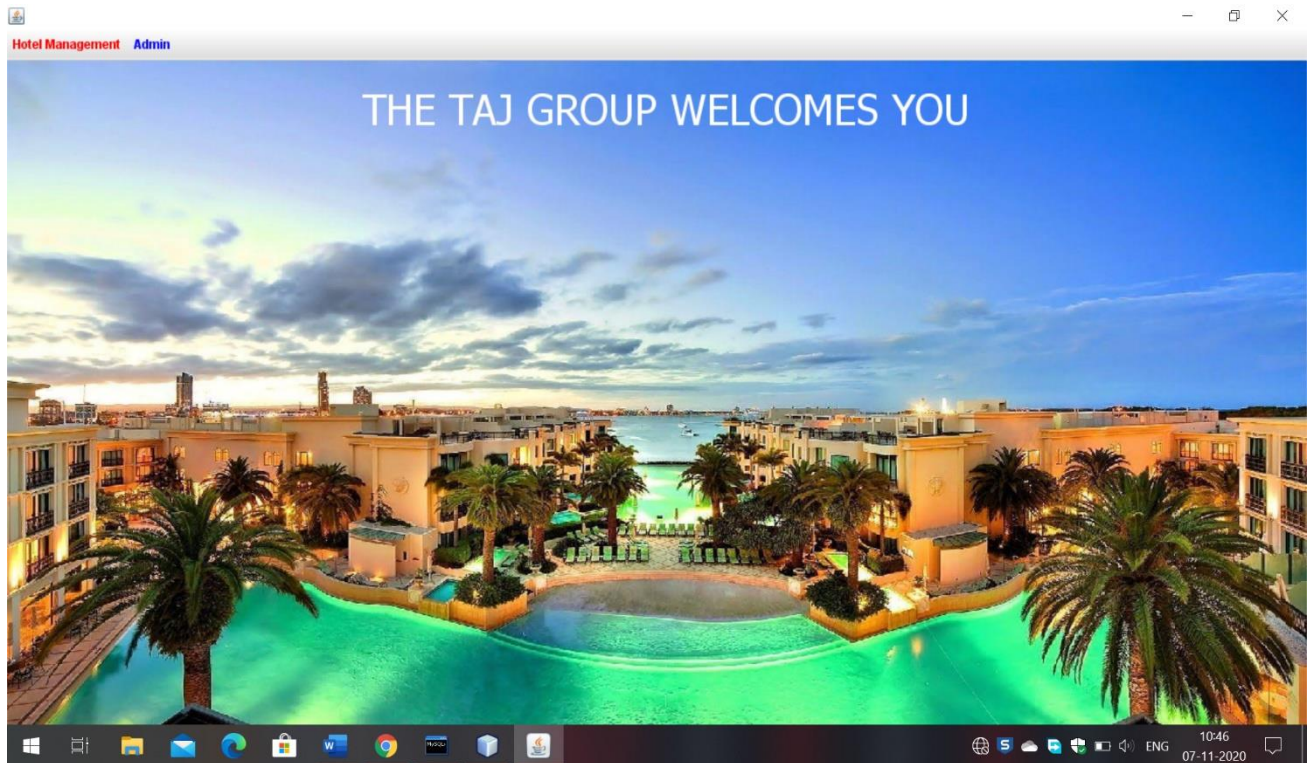
1. Start Screen



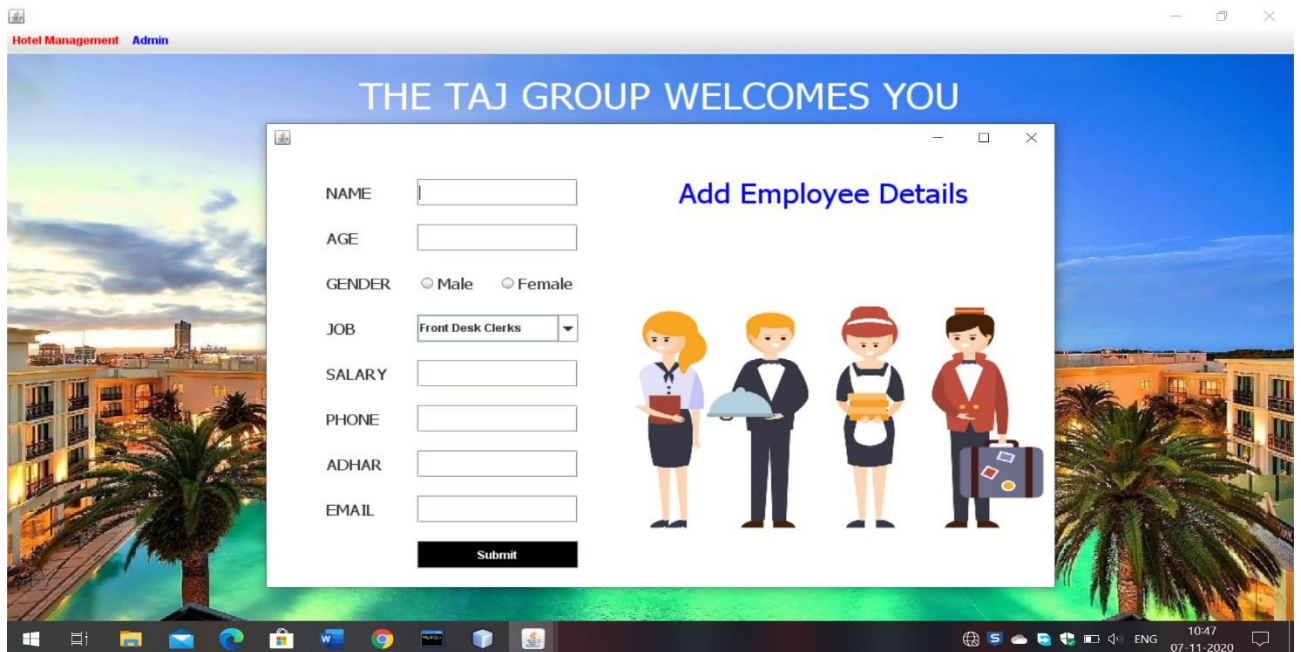
2. Login Page



3.DashBoard Page



4.Add Employee



5.Add Rooms

Hotel Management Admin

THE TAJ GROUP WELCOMES YOU

Add Rooms


Room Number

Available

Cleaning Status

Price

Bed Type



Windows taskbar: 10:50 07-11-2020

6.Add Driver

Hotel Management Admin

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Add Driver

Name

Age


Gender ☐ Male ☐ Female

Car Company

Car Model

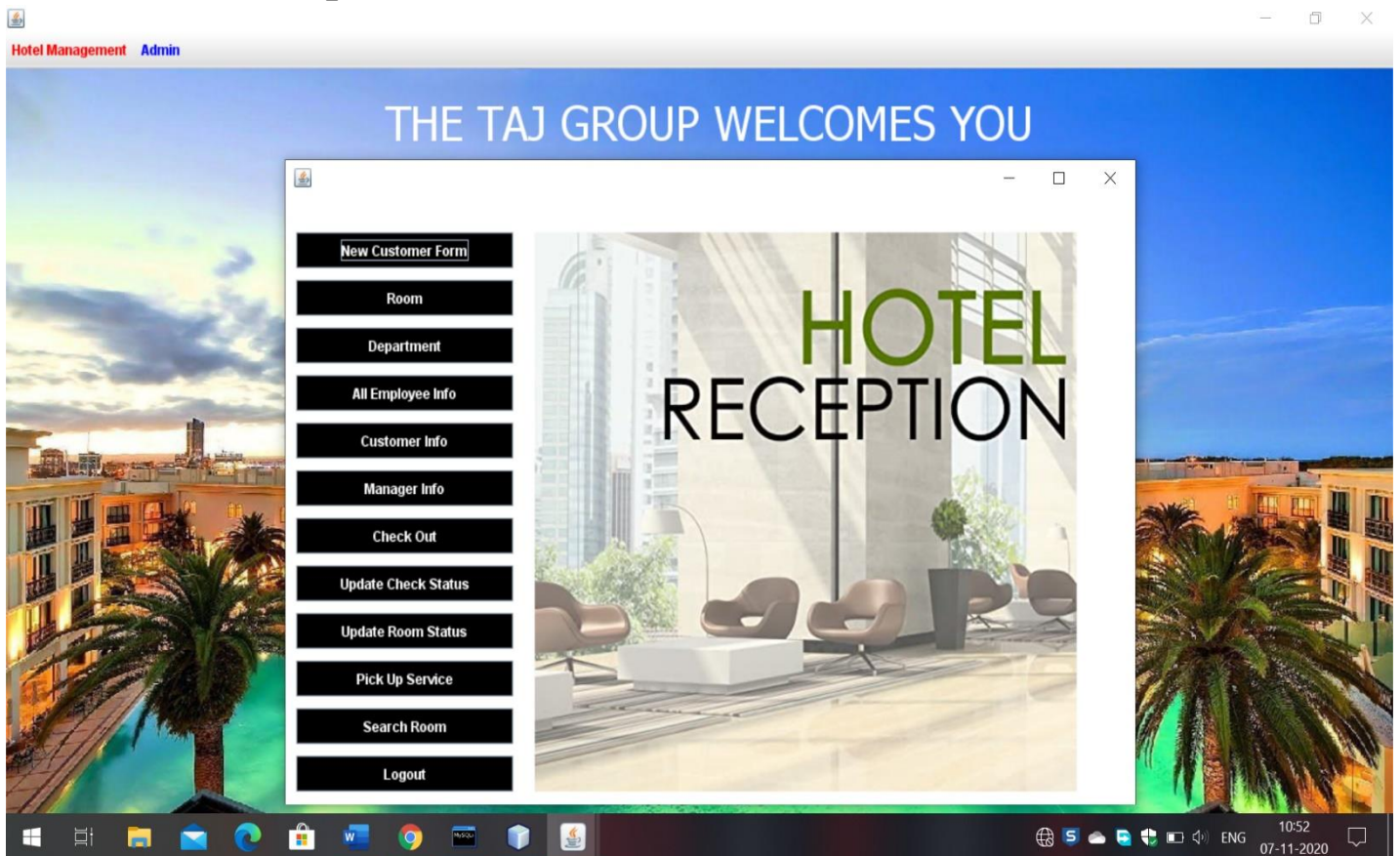
Available

Location

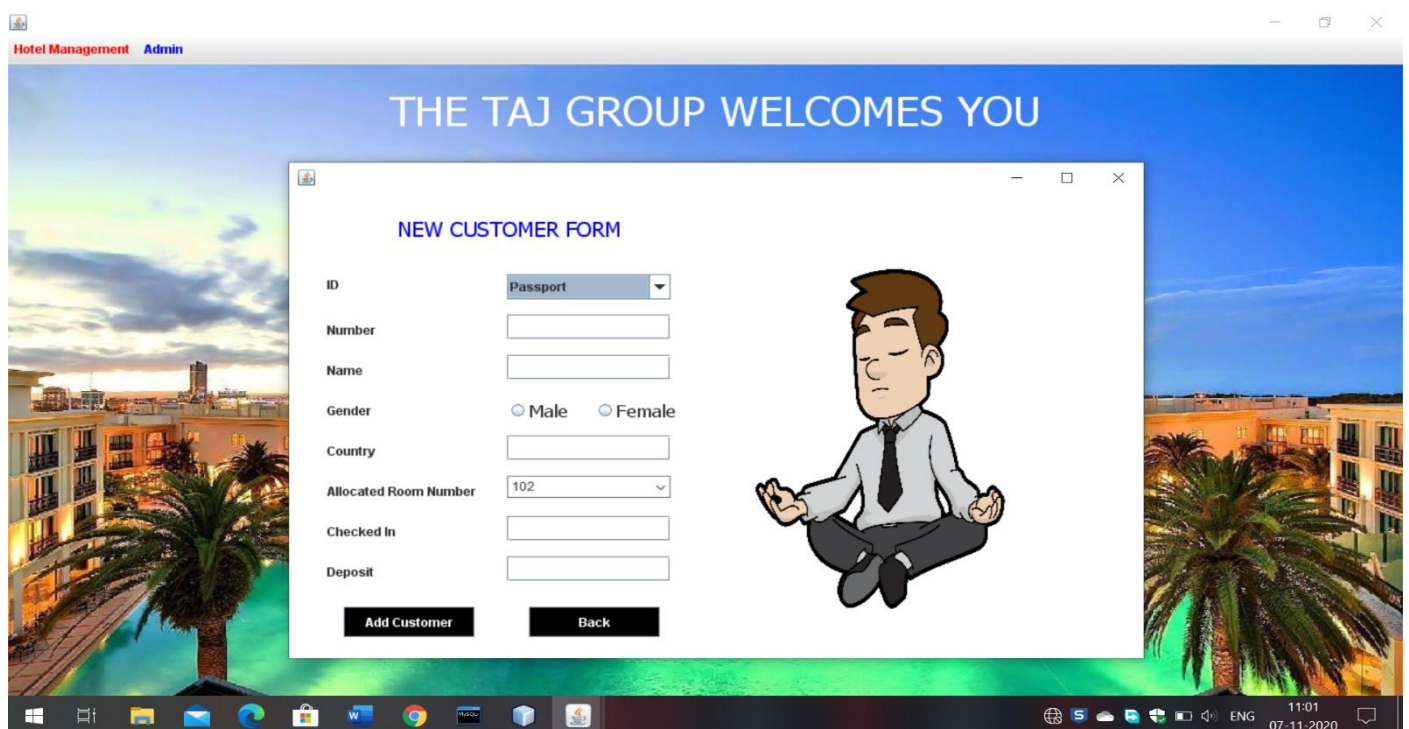


Windows taskbar: 10:51 07-11-2020

7.Reception



8.Add new Customer




9.Room Details

Hotel Management Admin

THE TAJ GROUP WELCOMES YOU

Room Number	Availability	Status	Price	Bed Type
101	Available	Clean	30000	Single Bed
102	Available	Clean	50000	Double Bed
103	Occupied	Clean	30000	Single Bed
104	Occupied	Clean	50000	Double Bed
105	Available	Clean	30000	Single Bed
106	Available	Clean	32000	Single Bed



Load Data Back

13:27 08-11-2020

10.Employee Details

Hotel Management Admin

THE TAJ GROUP WELCOMES YOU

Name	Age	Gender	Department	Salary	Phone	Aadhar	Email
Aakash Jain	23	Male	Waiter/Waitress	12000	6125634289	509742312589	aakash@gmail.com
Vansh Soni	34	Male	Housekeeping	12000	9876543210	4222267891234	vansh@gmail.com
Radha Singh	28	Female	Waiter/Waitress	12000	9567346123	341267985409	radha@gmail.com
Parth Mishra	30	Male	Manager	30000	9341278645	965412378901	parth@gmail.com
Jay Bhatt	34	Male	Room Service	17000	9342167854	426189034567	jay@gmail.com

Load Data Back

13:28 08-11-2020

11. Check In Details

The screenshot shows a web application window titled "Hotel Management Admin". The background features a large image of a hotel pool at night with palm trees. At the top, a blue banner reads "THE TAJ GROUP WELCOMES YOU". A modal window titled "Check-in Details" is open, containing the following fields:

- Customer-Id: A dropdown menu.
- Room Number: A text input field.
- Name: A text input field.
- Check-In: A text input field.
- Amount Paid: A text input field.
- Pending Amount: A text input field.

Below the fields are three buttons: "Update", "Check", and "Back". To the right of the form is a graphic with two large purple arrows pointing in opposite directions, labeled "CHECK IN" and "CHECK OUT". The Windows taskbar at the bottom shows the time as 13:30 on 08-11-2020.

12. Check out

The screenshot shows the same web application window. The modal window is now titled "Check-Out" and contains the following fields:

- Customer Id: A dropdown menu with a green checkmark icon to its right.
- Room Number: A text input field.

Below the fields are two buttons: "CheckOut" and "Back". To the right of the form is a photograph of a hotel employee in a uniform handing a red key to a guest. The Windows taskbar at the bottom shows the time as 13:33 on 08-11-2020.

Conclusion

In this project I have tried my best to make user friendly software. This software can be handled by any person who has little bit of idea of computers. In this software I have tried to meet most of the requirements of the present hotel management system including maintaining details of customers, rooms, employees and drivers. I also keep provision to update the details of customers, rooms and employees. In my effort I have tried to make my software all the more user friendly but there may some features which I would like to include in my continuous attempts.