HOTEL MANAGEMENT SYSTEM
USER MANUAL

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North Western University

Khulna, Bangladesh

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Hotel Management System User Manual

INTRODUCTION:

Hotel management system is a software developed by python using tkinter module to handle the basic functions of a hotel process.

It is a process for adding new room for customer and the customer can view his booking details and total bill, he can also review about hotel services. Receptionist can also update and delete information of a customer. Admin can view customer information, also update and delete the room or other service's price.

It helps to provide information if a room is vacant and the type of room or a customer pay his bill or customer's other information.

OBJECTIVES:

- To eliminate the paper work in the hotel.
- To eliminate the huge storage of data paper by storing data into Database.
- Simplify search and update process of hotel.
- To manage room information.
- To manage customers information and his booking and paying details.
- Build Digital official Interface to maintain official work digitally.
- Simply Calculate the customer's bill.
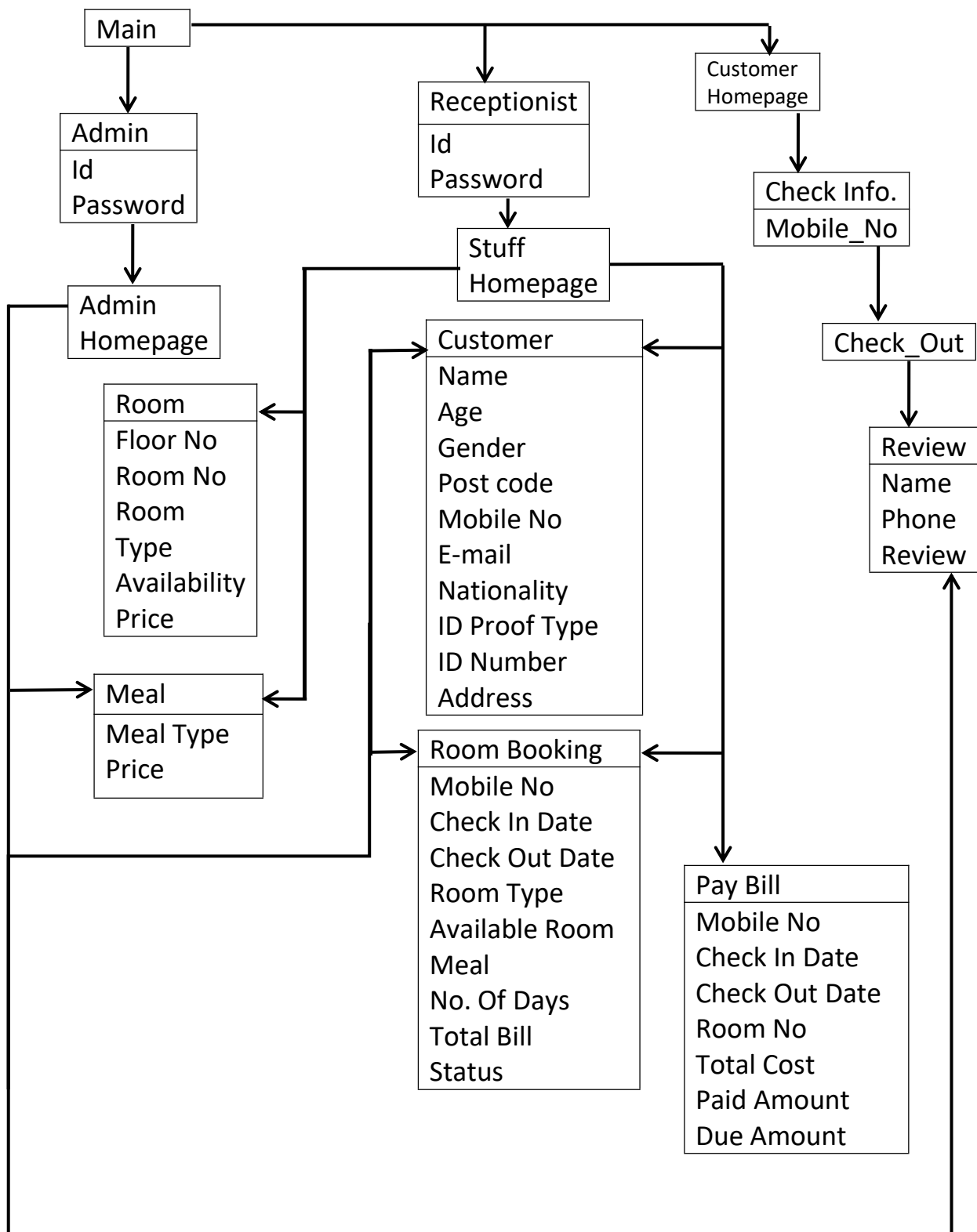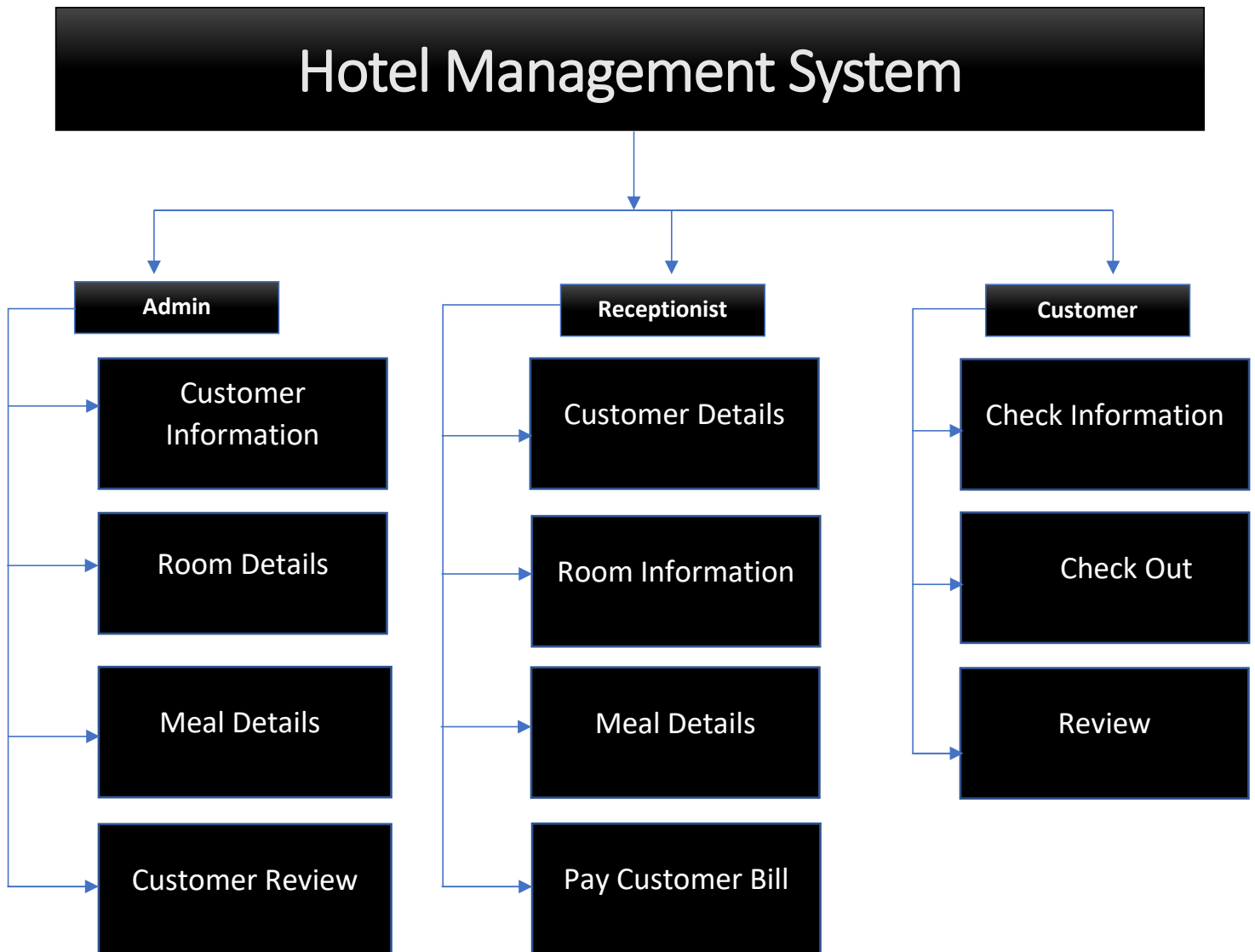- Simplify payment system.

ENTITY RELATIONSHIP DIAGRAM:

Figure: E-R Diagram of HMS

SITE TREE:

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┌─────────────────────────────────────────────────────┐
│              Hotel Management System                  │
└─────────────────────────────────────────────────────┘
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Admin	Receptionist	Customer
Customer Information	Customer Details	Check Information
Room Details	Room Information	Check Out
Meal Details	Meal Details	Review
Customer Review	Pay Customer Bill	

Here, it is seen that each character has his own function. Below all these functions are described according to their presence.

Description:

When we run the project, the below page is shown:
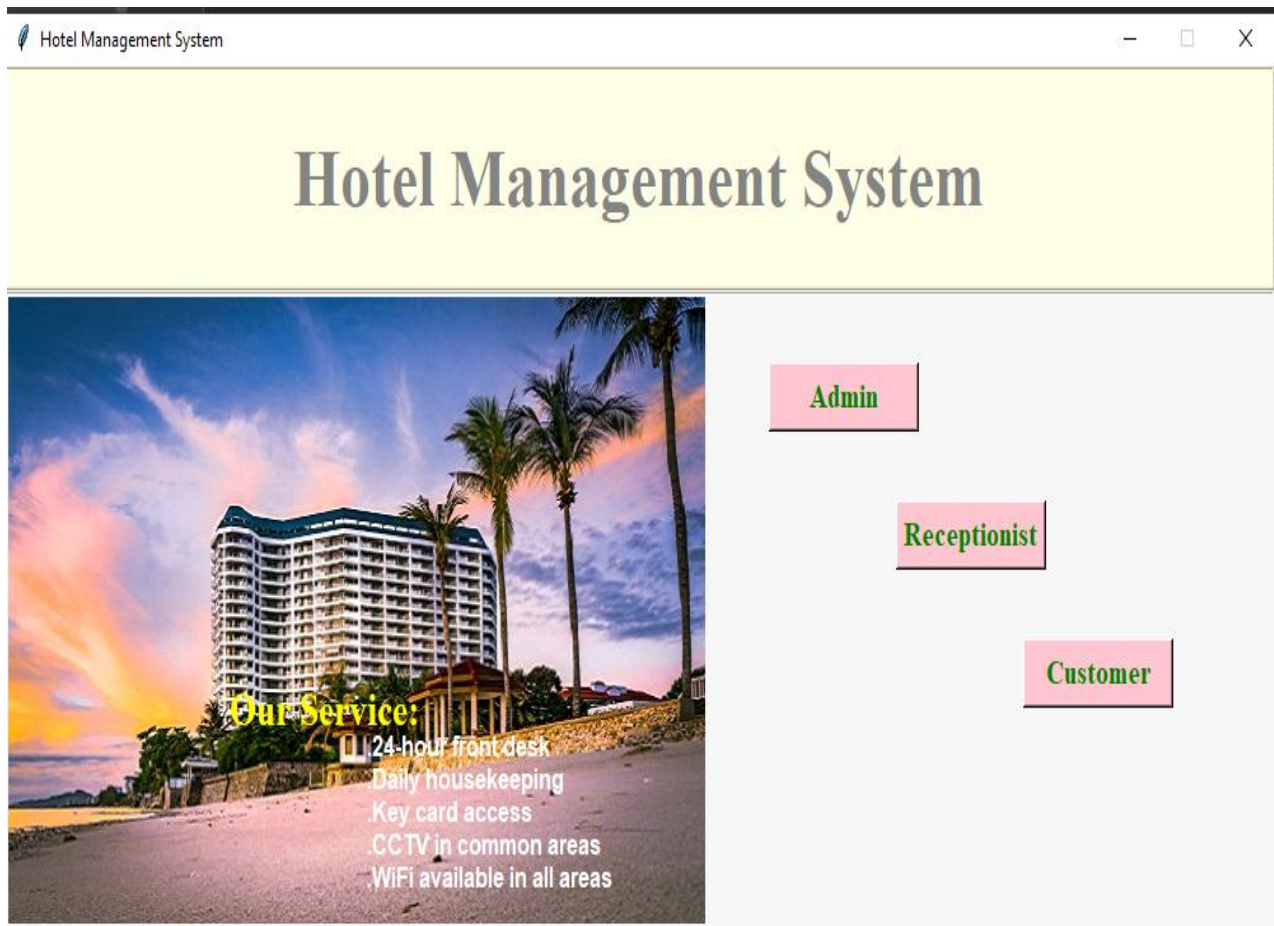
Admin Panel

After clicking "*Admin*" button, a login page is opened and after login the admin can view the admin homepage as follow:
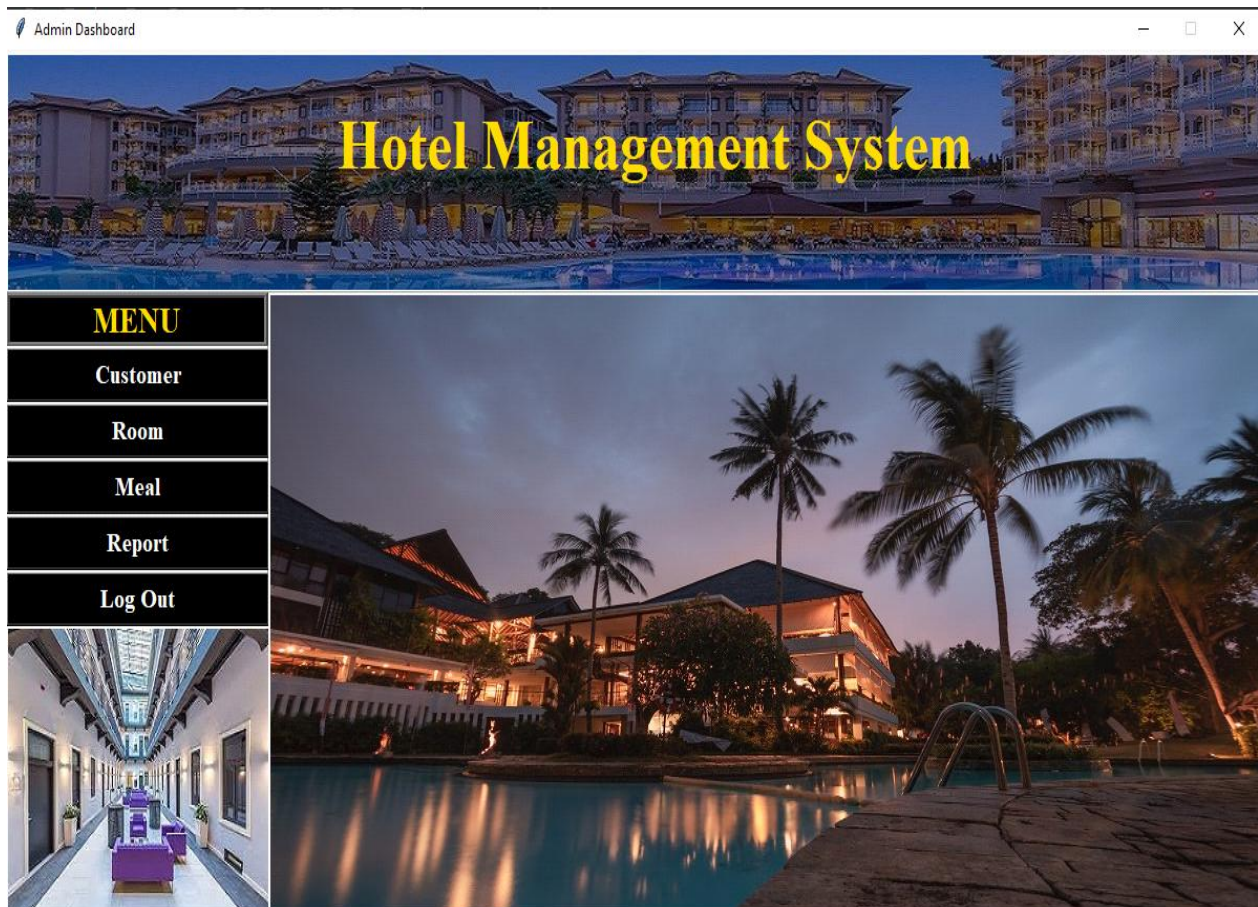
In this page, an admin can see the customer information, see the customer review. He also adds, updates and deletes the room and meal details.

After clicking "*Customer*" button, the admin can view the following page:

In this page, an admin can only view the customer basic information. And clicking "*More Customer Info.*" the following page is opened:

Clicking "*Room*" button, an admin can see the following page and can add, update, delete more details:

Clicking "*Meal*" button, an admin can see the following page and can add, update, delete more details:

After clicking "*Report*" button, the admin can view the following page at which an admin can only view the customer review but can't edit anything:
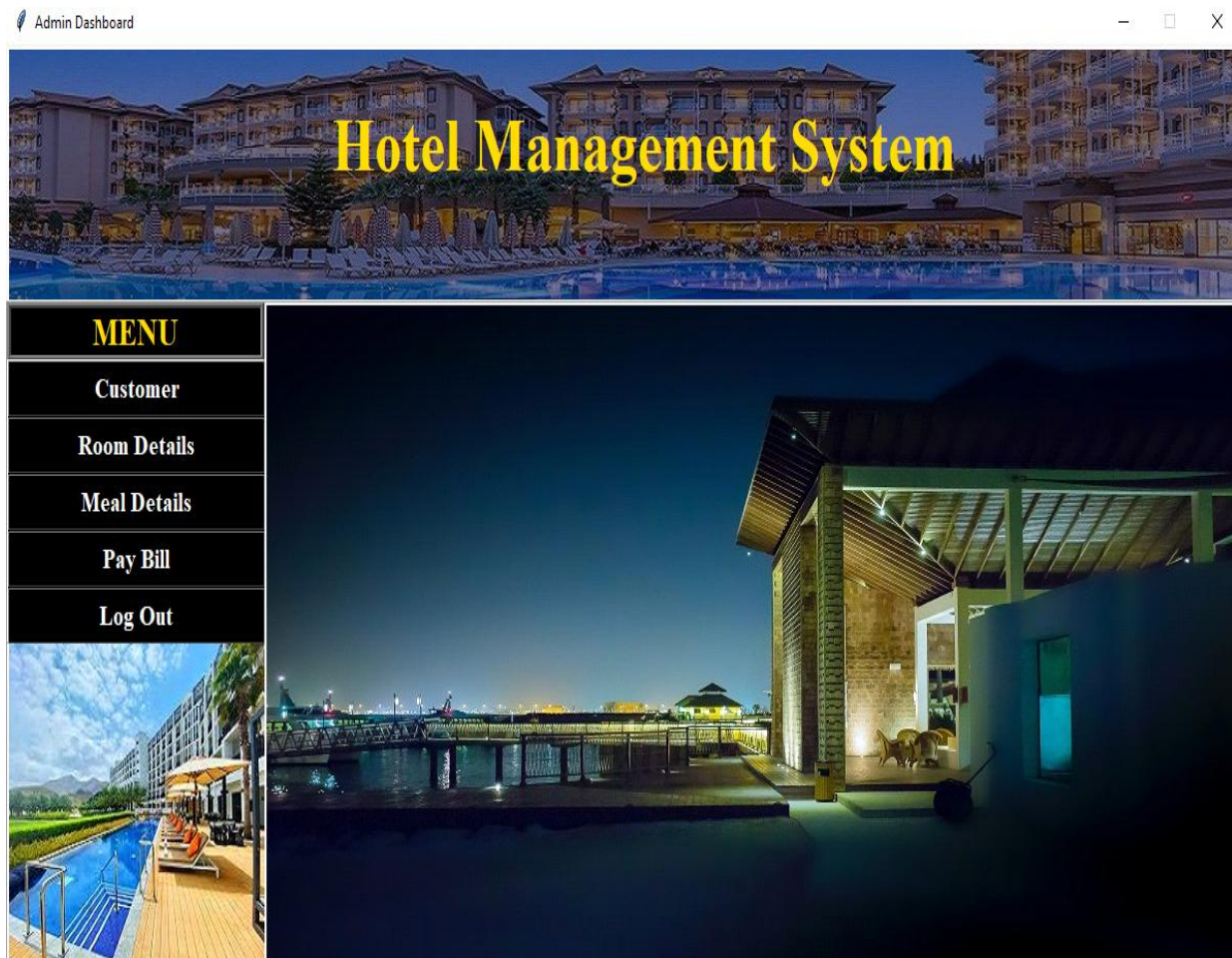
Receptionist Panel

After clicking "**Stuff**" button from main page, a login page is opened and after login the receptionist can view the receptionist homepage as follow:

In this page, a receptionist can add, update and delete the customer information and pay details. He can also see the room and meal details.

After clicking "*Customer*" button, below page is opened:

In this page, a receptionist can add, update and delete the customer information.

Clicking "*Room Booking*" button, following page is shown by receptionist:

In this page, a customer's checking details and his total bill is shown.

Clicking "*Pay Bill*" button, following page is shown by receptionist:

In this page, a customer's billing details is shown and updated. From receptionist homepage, a receptionist can also come this page by clicking "*Pay Bill*" button.

Clicking "**Room Details**" button, receptionist can only see the room details but can't update any details as follow:

Floor	Room No	Room Type	Available	Price
1	101	Luxury	Yes	3500
1	102	Single	No	2000
1	103	Single	No	2000
1	104	Double	Yes	2500
2	201	Double	Yes	2500
2	203	Double	Yes	2500
2	205	Luxury	No	3500
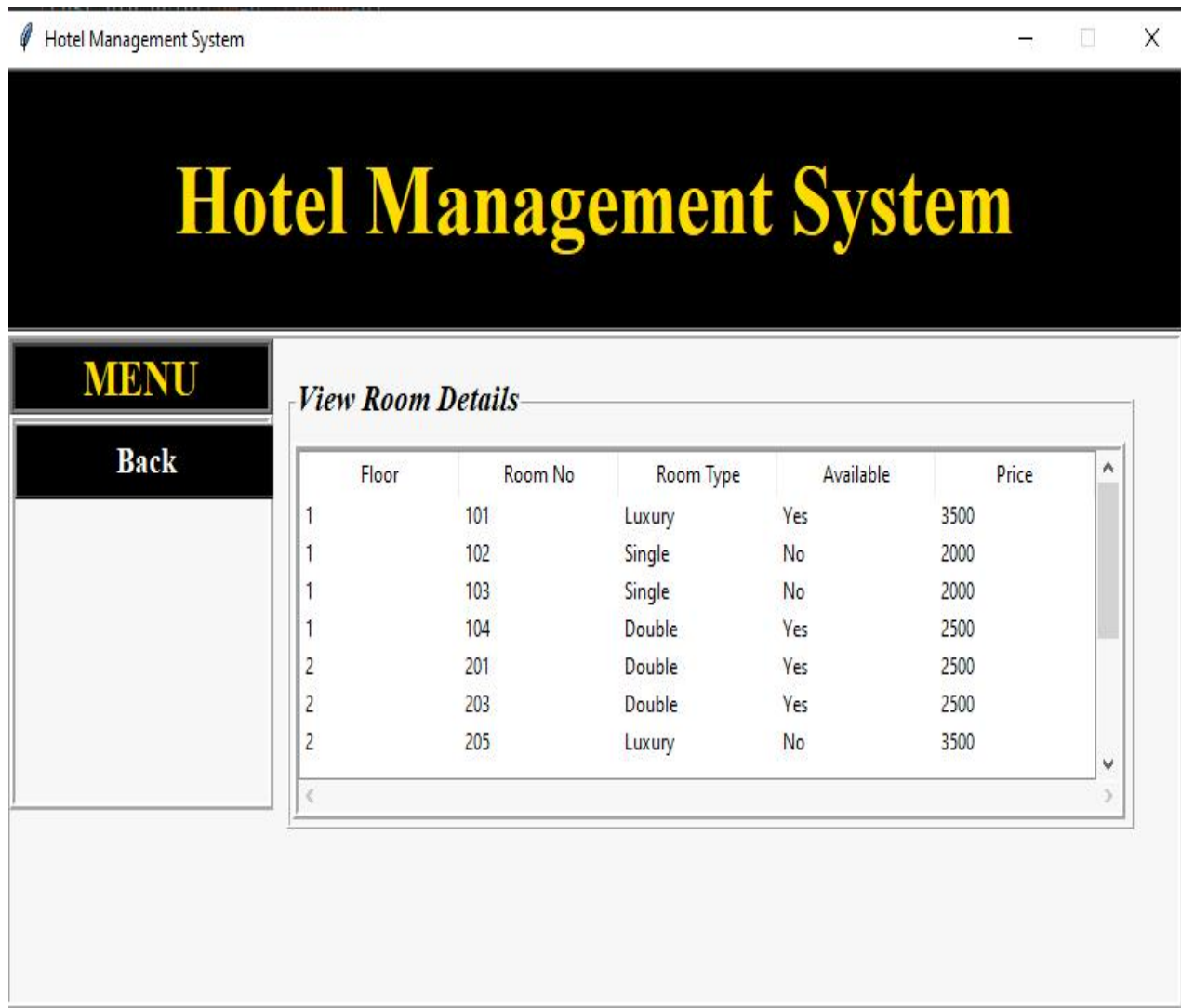
Clicking "*Meal Details*" button, receptionist can only see the meal details but can't update any details as follow:
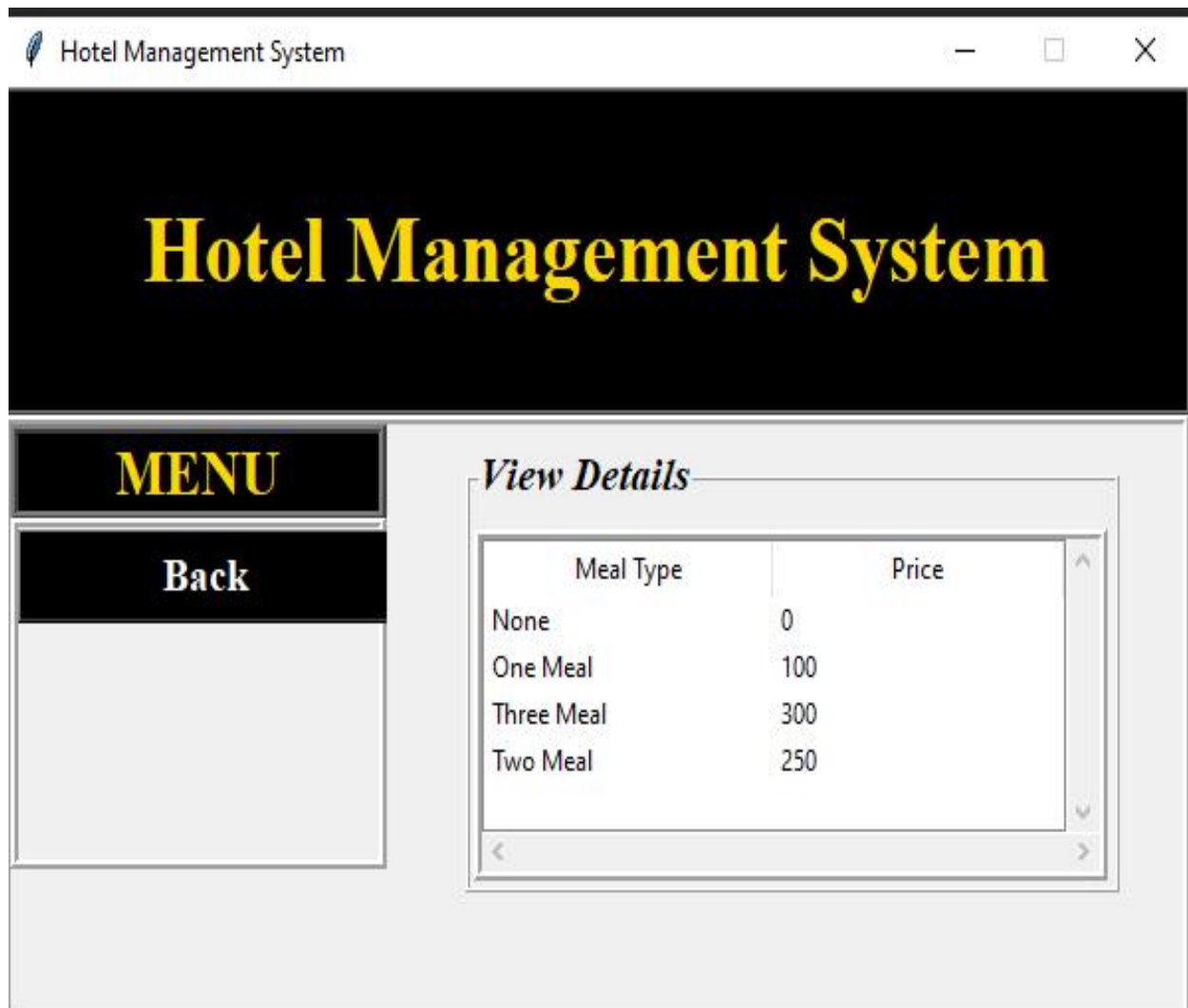
Customer Panel

After clicking "*Customer*" button from main page, a customer can view the customer homepage as follow:

In this page, a customer can show his information. He can also checkout from the hotel as well as can give review about hotel service.

After clicking "***Check Info.***" button, by entering phone number, a customer can view his details. Paying his total bill, he can check out from the hotel.

After clicking "Review" button, a customer can give a review, and also can update or delete that.

DEPENDENCIES:

1. Xampp: The Hotel Management System(HMS)'s database is stored in local server. So XAMPP software is needed to run this project properly.

2. Pycharm: For built this project we use Python language and Python Built in Packages. Install all the Packages which we have use. The name of the packages are given into ReadeMe.txt file. After Install all packages the project will run successfully.

3. Tkinter: We have used Python Tkinter Module for the User Interface. So, you must have to import the Tkinter Module for successfully executing this project.

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