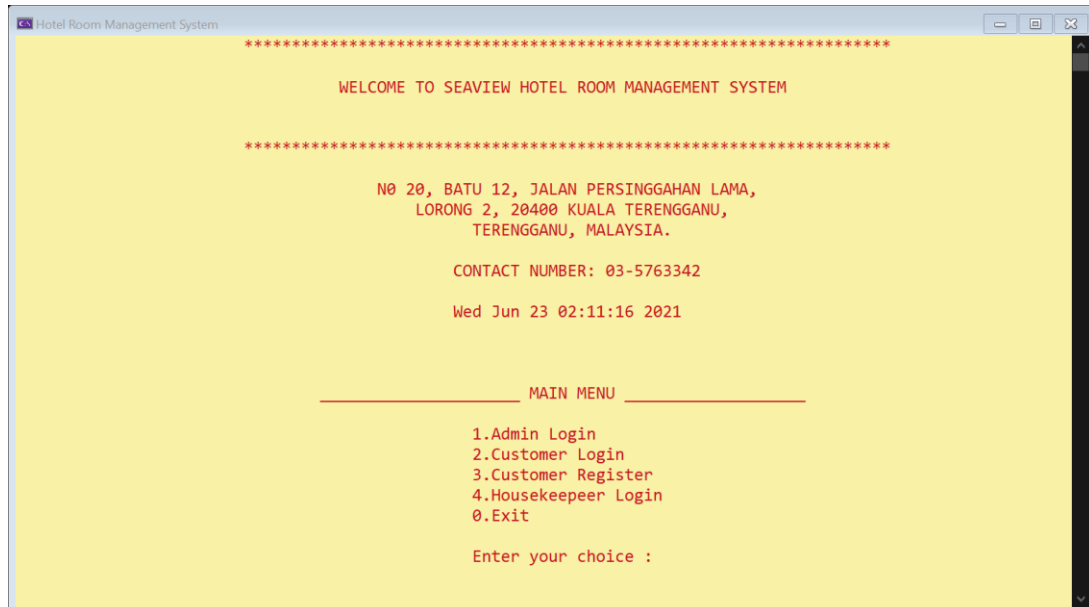


## **FUNCTION**

There are 19 main functions for Hotel Room Reservation System. The description for each function will be described as follows:

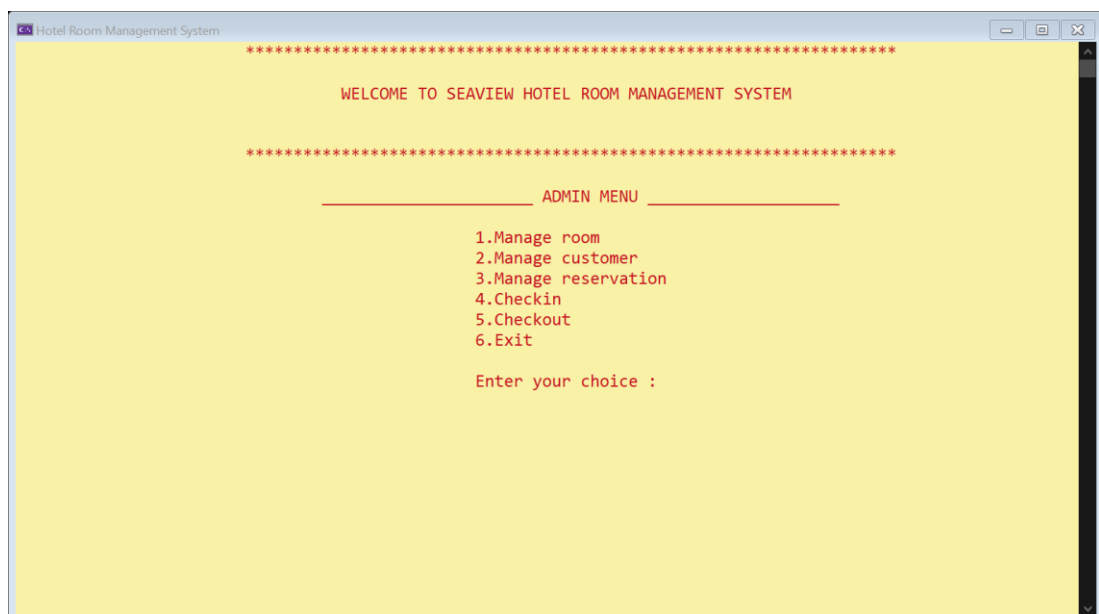
### **1) Function main()**

This function will show the main page for Hotel Room Management System.



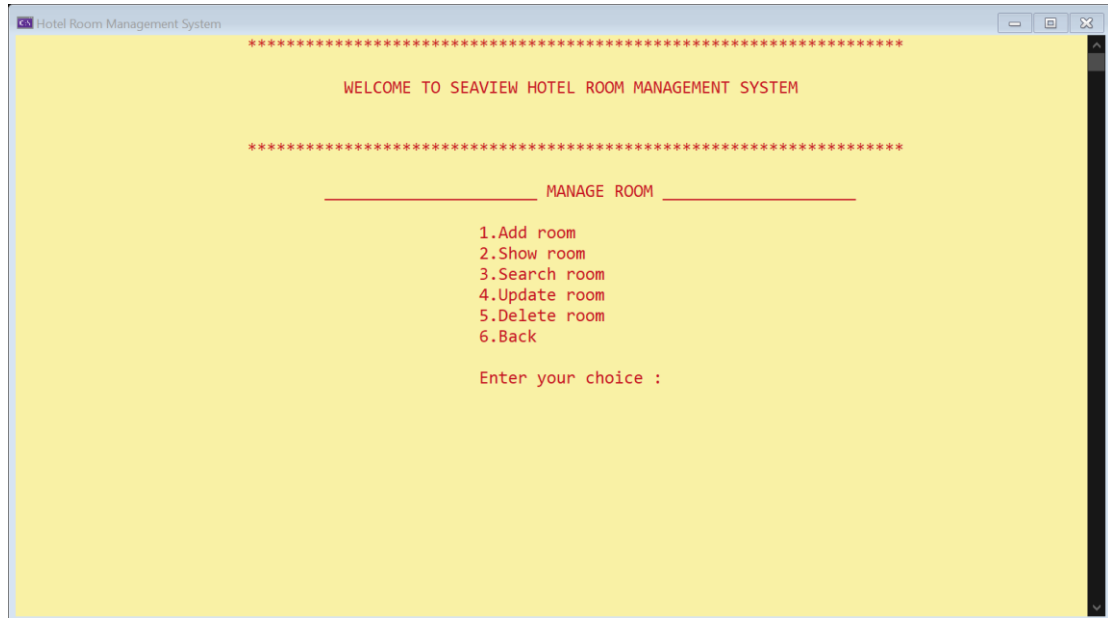
### **2) Function adminMenu()**

This function will show the main menu for admin.



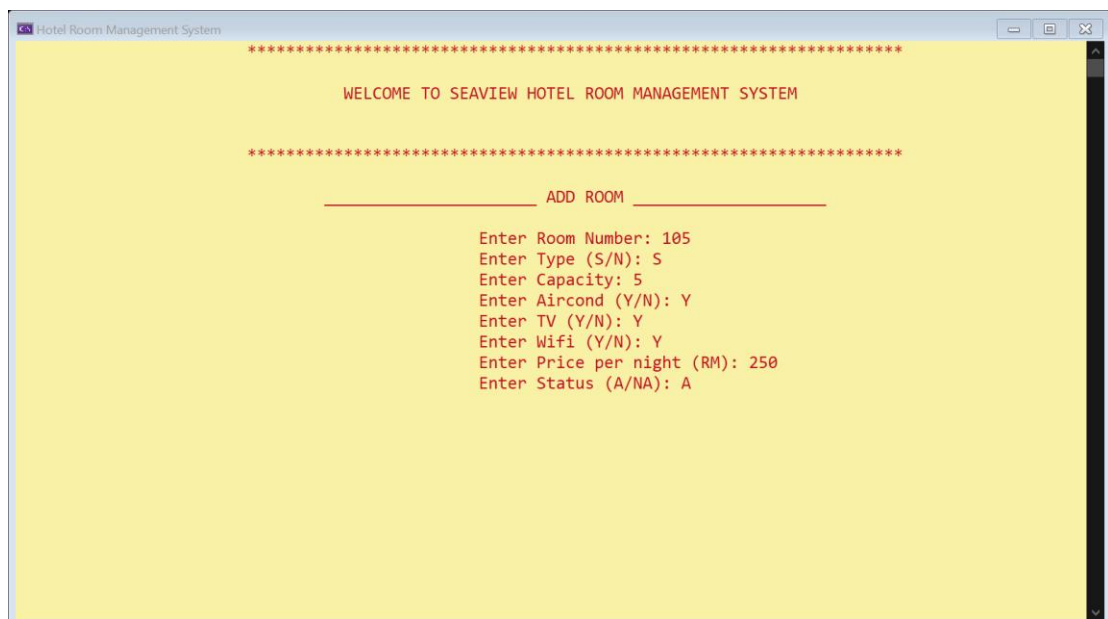
### 3) Function manageRoom()

This function will show the menu for manage room.



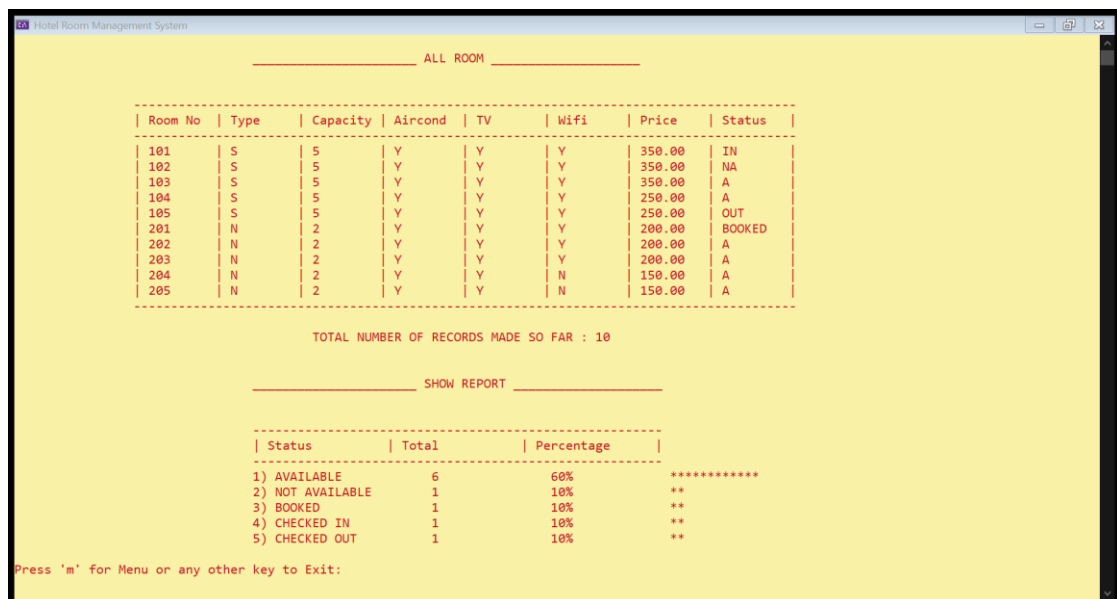
### 4) Function addRoom()

This function is used by admin to create new room. After the room is created, the inserted records will be appended in the database.



## 5) Function showRoom()

This function is used by admin to display all room details including room number, type, capacity, availability of aircond, television, wifi, price per night and current status.



## 6) Function searchRoom()

This function is used by admin to search for specific room. When admin enter the room number, the room details will be displayed on the screen.

The screenshot shows a window titled "Hotel Room Management System". The background is yellow. At the top, it says "WELCOME TO SEAVIEW HOTEL ROOM MANAGEMENT SYSTEM" between two lines of asterisks. Below this is a red line with the text "SEARCH ROOM" in the center. Underneath, it says "Enter Room No: 101". A table with 8 columns is displayed, showing details for room 101. The columns are Room No, Type, Capacity, Aircond, TV, Wifi, Price, and Status. The row for room 101 shows Type: S, Capacity: 5, Aircond: Y, TV: Y, Wifi: Y, Price: 350.00, and Status: IN. At the bottom, it says "Press 'm' for Menu, 'a' to Search again or any other key to Exit:".

Room No	Type	Capacity	Aircond	TV	Wifi	Price	Status
101	S	5	Y	Y	Y	350.00	IN

## 7) Function updateRoom()

This function is used by admin to update current details for specific room. After the changes is made, it will be saved in the database.

The screenshot shows a window titled "Select Hotel Room Management System". The background is yellow. At the top, it says "WELCOME TO SEAVIEW HOTEL ROOM MANAGEMENT SYSTEM" between two lines of asterisks. Below this is a red line with the text "UPDATE ROOM" in the center. Underneath, it says "Enter Room No: 105". A table with 8 columns is displayed, showing details for room 105. The columns are Room No, Type, Capacity, Aircond, TV, Wifi, Price, and Status. The row for room 105 shows Type: S, Capacity: 5, Aircond: Y, TV: Y, Wifi: Y, Price: 250.00, and Status: OUT. Below the table, there are prompts for updating each field: "Enter Type (x to not change) (S/N): x", "Enter Capacity (x to not change): x", "Enter Aircond (x to not change) (Y/N): x", "Enter TV (x to not change) (Y/N): x", "Enter Wifi (x to not change) (Y/N): x", "Enter Price (x to not change) (RM): 350", and "Enter Status (x to not change) (A/NA): x".

Room No	Type	Capacity	Aircond	TV	Wifi	Price	Status
105	S	5	Y	Y	Y	250.00	OUT

## 8) Function deleteRoom()

This function is used by admin to delete specific room from database. After the room is deleted, the records will no longer in the database.

Hotel Room Management System

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WELCOME TO SEAVIEW HOTEL ROOM MANAGEMENT SYSTEM

\*\*\*\*\*

DELETE ROOM

Room No	Type	Capacity	Aircond	TV	Wifi	Price	Status
101	S	5	Y	Y	Y	350.00	IN
102	S	5	Y	Y	Y	350.00	NA
103	S	5	Y	Y	Y	350.00	A
104	S	5	Y	Y	Y	250.00	A
105	S	5	Y	Y	Y	250.00	OUT
201	N	2	Y	Y	Y	200.00	BOOKED
202	N	2	Y	Y	Y	200.00	A
203	N	2	Y	Y	Y	200.00	A
204	N	2	Y	Y	N	150.00	A
205	N	2	Y	Y	N	150.00	A

Enter Room No: 102

## 9) Function showCustomer()

This function is used by admin to display all customer details including name, phone number and address.

Hotel Room Management System

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WELCOME TO SEAVIEW HOTEL ROOM MANAGEMENT SYSTEM

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Id	Name	Phone	Address
1	lisa	0127473376	johor
2	john	0124536788	kuala lumpur
3	abu	12345666	melaka
4	ali	1234567899	selangor
5	maria	1234567789	melaka

TOTAL NUMBER OF RECORDS SO FAR : 5

Press 'm' to Menu any other key to Exit:

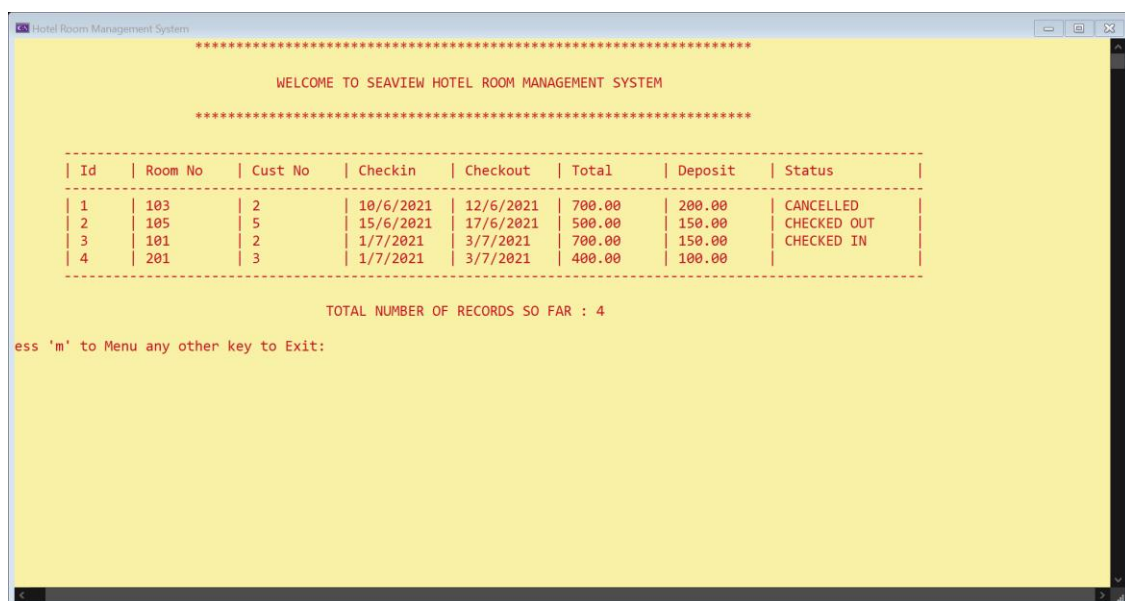
## 10) Function searchCustomer()

This function is used by admin to search for specific customer. When admin enter the customer name, the customer details will be displayed on the screen.



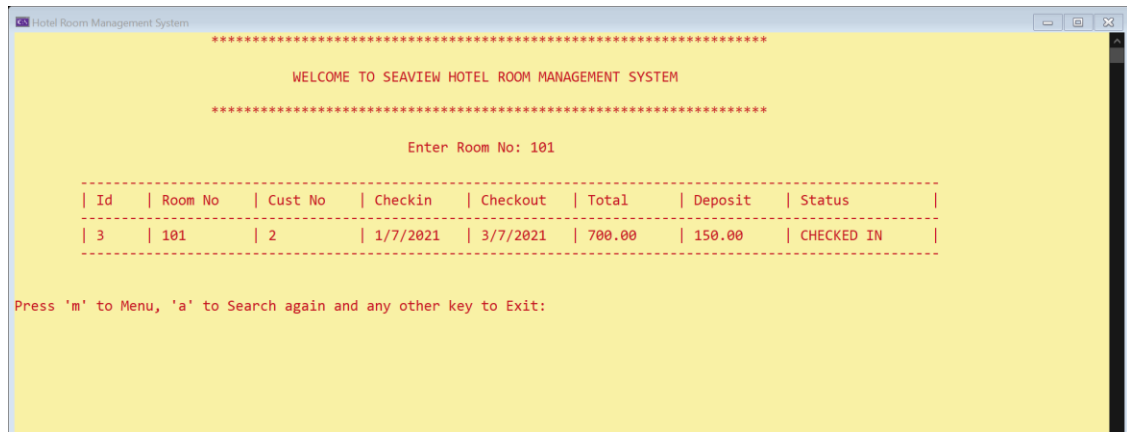
## 11) Function showReservation()

This function is used by admin to display all reservation details including date for reservation, check in and check out, room number, customer number, total amount, deposit and the room's current status.



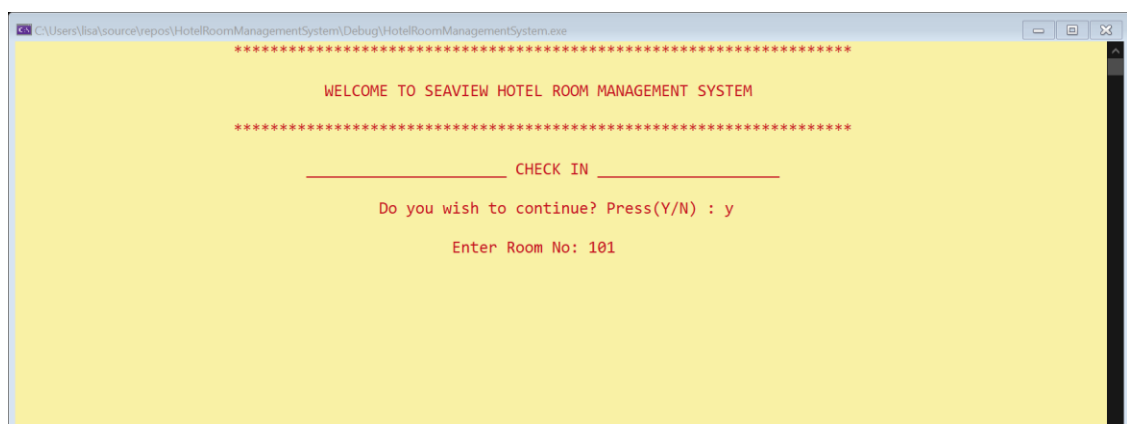
## 12) Function searchReservation()

This function is used by admin to search for reservation details of specific room. When admin enter the room number, its reservation details will be displayed on the screen.



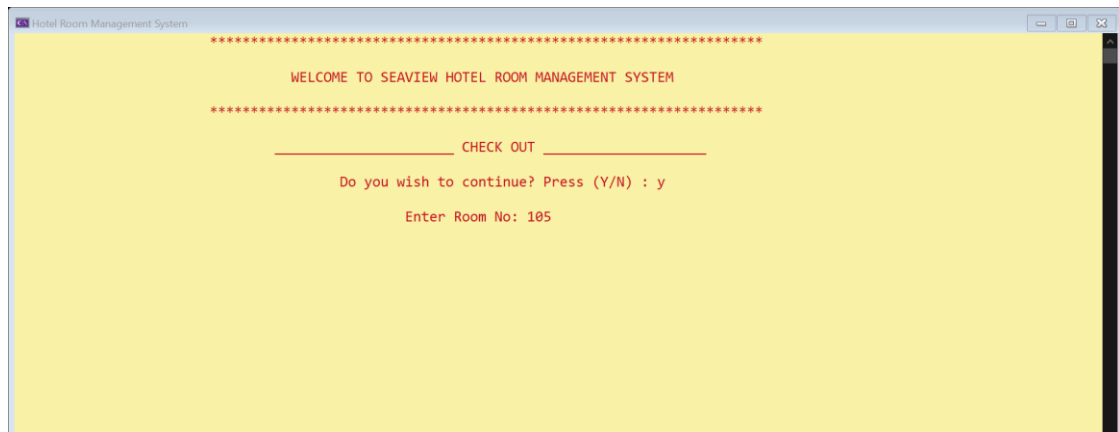
## 13) Function checkin()

This function is used by admin to manage check in process for each customer. After the check in process is confirmed, the current status for the room will be changed from “Booked” to “In”. At the same time, the reservation status will be changed to “Checked In”.



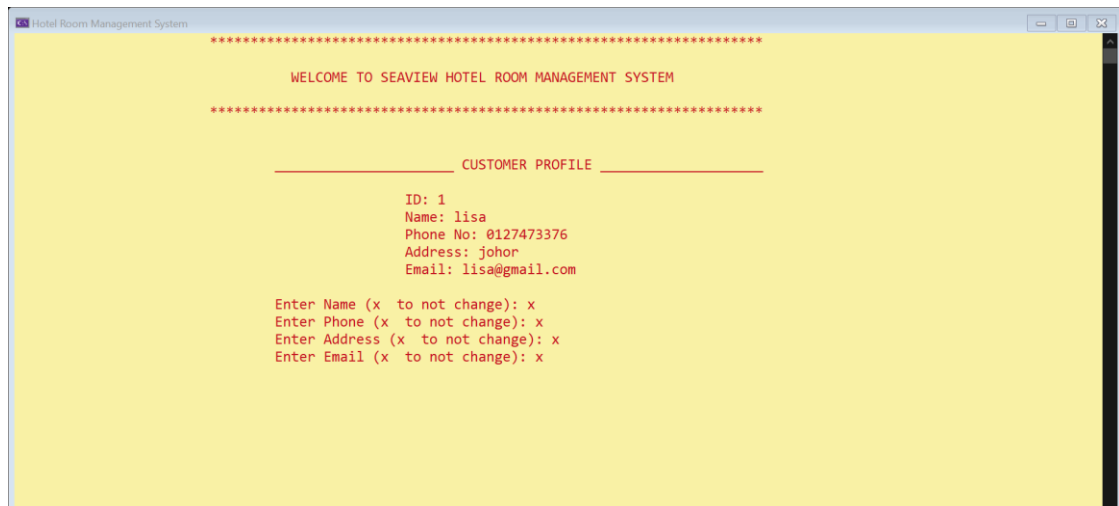
#### 14) Function checkout()

This function is used by admin to manage check out process for each customer. After the check out process is confirmed, the current status for the room will be changed from “In” to “Out”. At the same time, the reservation status will be changed from “Checked In” to “Checked Out”.



#### 15) Function updateProfile()

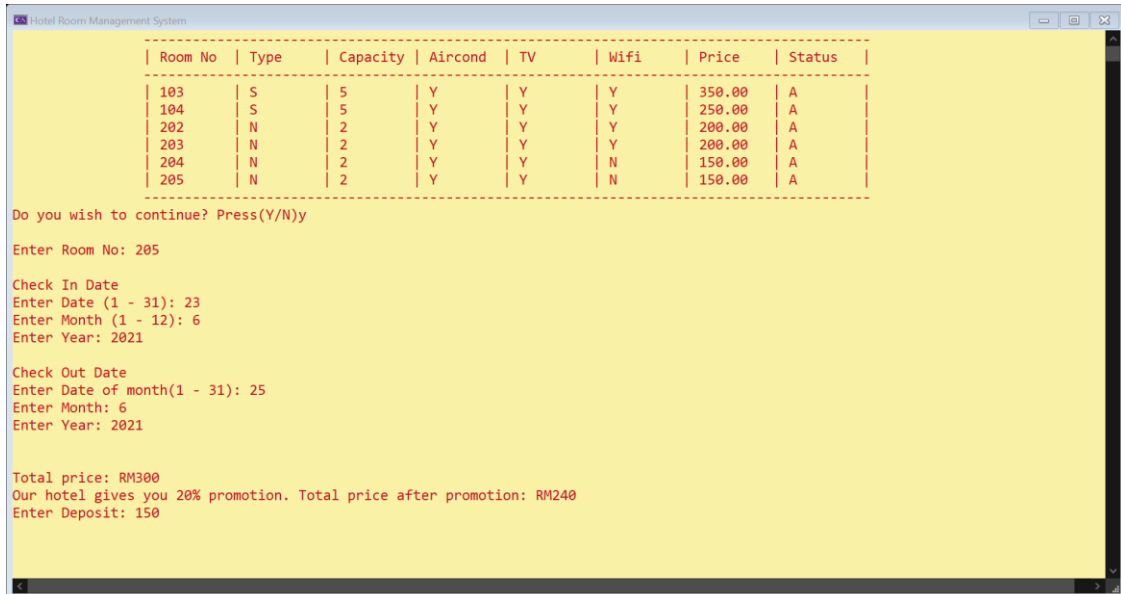
This function is used by customer to update the current profile details. After the changes are made, it will be saved in the database.





## 16) Function makeReservation()

This function is used by customer to make a reservation for specific room. After the room is confirmed, the inserted records will be appended in the database and the current status for the room will be changed from “Available” to “Booked”.



Room No	Type	Capacity	Aircond	TV	Wifi	Price	Status
103	S	5	Y	Y	Y	350.00	A
104	S	5	Y	Y	Y	250.00	A
202	N	2	Y	Y	Y	200.00	A
203	N	2	Y	Y	Y	200.00	A
204	N	2	Y	Y	N	150.00	A
205	N	2	Y	Y	N	150.00	A

Do you wish to continue? Press(Y/N)y

Enter Room No: 205

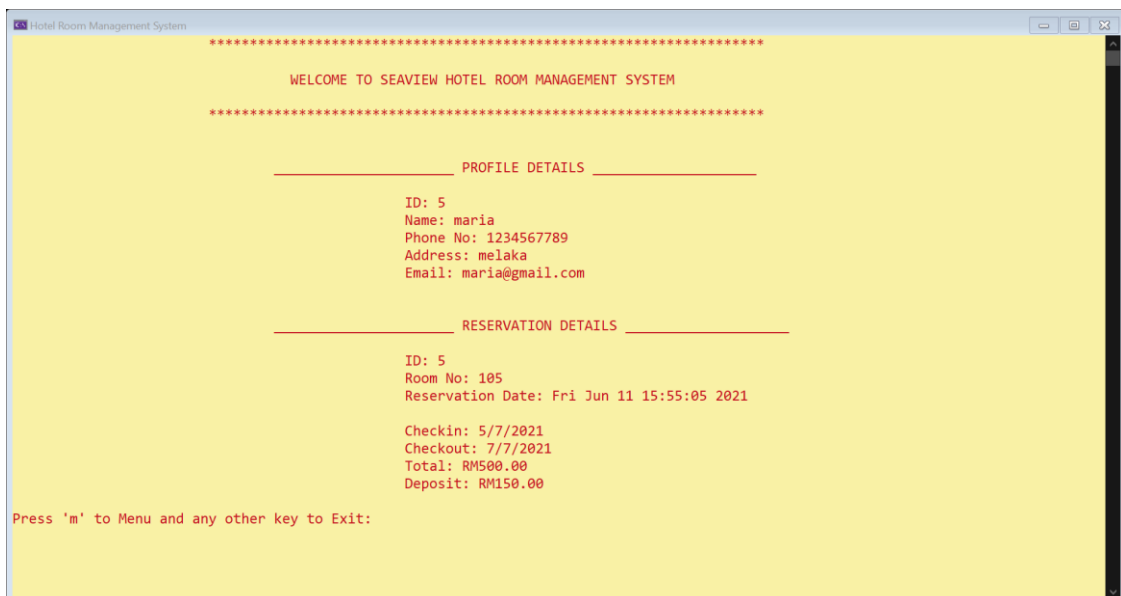
Check In Date  
Enter Date (1 - 31): 23  
Enter Month (1 - 12): 6  
Enter Year: 2021

Check Out Date  
Enter Date of month(1 - 31): 25  
Enter Month: 6  
Enter Year: 2021

Total price: RM300  
Our hotel gives you 20% promotion. Total price after promotion: RM240  
Enter Deposit: 150

## 17) Function viewReservation()

This function is used by customer to view their reservation details including their profile details.



```
*****
WELCOME TO SEAVIEW HOTEL ROOM MANAGEMENT SYSTEM
*****

____ PROFILE DETAILS _____
ID: 5
Name: maria
Phone No: 1234567789
Address: melaka
Email: maria@gmail.com

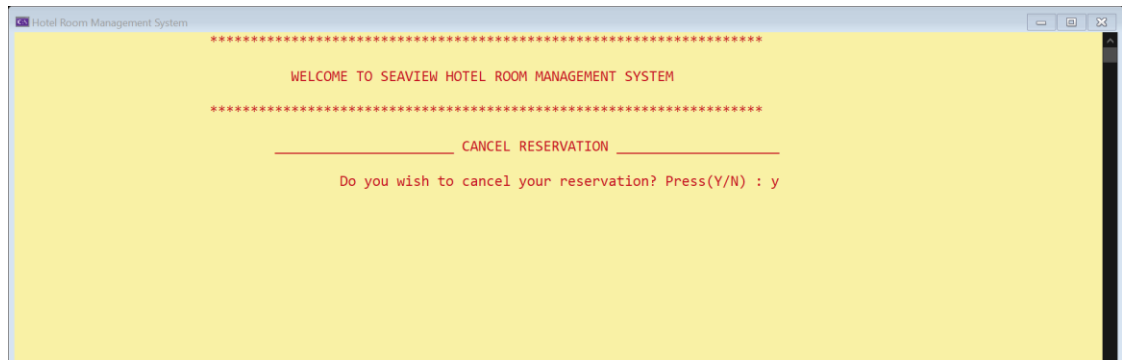
____ RESERVATION DETAILS _____
ID: 5
Room No: 105
Reservation Date: Fri Jun 11 15:55:05 2021

Checkin: 5/7/2021
Checkout: 7/7/2021
Total: RM500.00
Deposit: RM150.00

Press 'm' to Menu and any other key to Exit:
```

### 18) Function cancelReservation()

This function is used by customer to cancel their reservation. After the cancellation process is confirmed, the current status for the room will be changed from “Booked” to “Available”. At the same time, the reservation status will be changed to “Cancelled”.



### 19) Function cleanRoom()

This function is used by housekeeper to change the status of the room that they already clean after customer check out. The room status will be changed from “Out” to “Available”.

