UC 1: Register

Precondition: The system should not have a registered account in the hotel booking system for the System User and the System User should be on the Application Main Screen.	
Actor: Guest	**System: Hotel Booking System**
	0. System displays the Application Main Screen **(Figure 1.1).**
1. **TUCBW** The Guest selects “REGISTER” function on Application Main Screen.	2.System Displays the registration details to be entered on Guest Registration Screen. **(Figure 1.2,1.3).**
3. Guest fills the details and clicks on “REGISTER” button.	* 4. System displays registration successful message if no errors are found **(Figure 1.4,1.5)** and redirects to Application Main Screen (Figure 1.1)
5. **TUCEW** Guest sees the registration successful message on Guest Registration Screen and is redirected to Application Main Screen.	
Post condition: The system creates a new account for the system user in the system.	

Figure 1.1

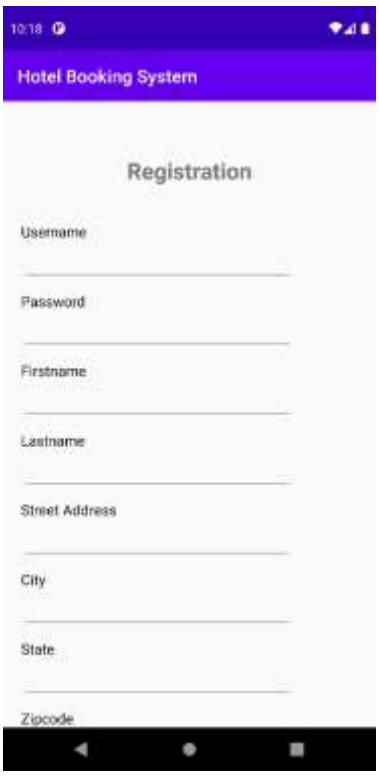

Figure 1.2

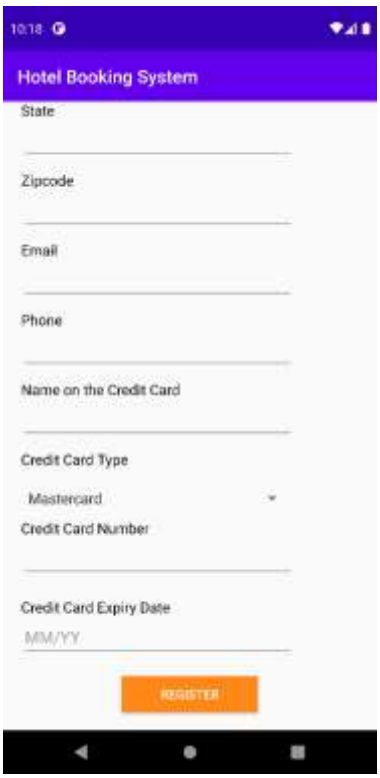

Figure 1.3

Figure 1.4

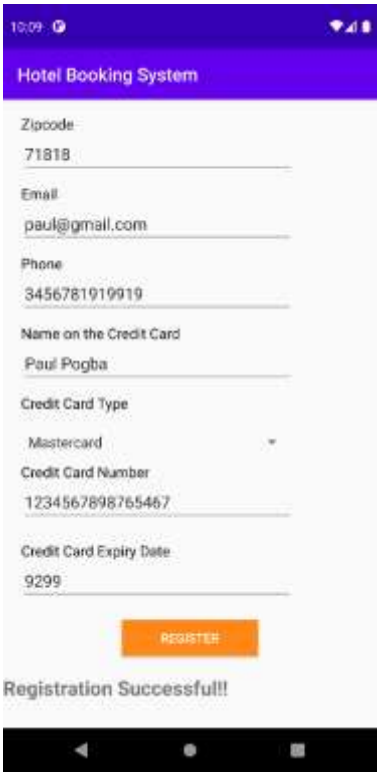

Figure 1.5

Figure 1.1

UC 2: Login

Precondition: The system should have a registered account in the Hotel Booking System for the System User.	
Actor: System User (Guest, Manager, Admin)	**System: Hotel Booking System**
	0. System displays the Application Main Screen **(Figure 1.1).**
1**. TUCBW** The System User enters the username, password and performs "LOGIN" function on the Application Main Screen.	***** 2. The system displays different pages (with respective function lists) as a confirmation of the successful login: (i) Admin will be shown "Admin Home Screen". **(Figure 2.3).** (ii) Guest will be shown "Guest Homepage" **(Figure 2.1).** (iii) Hotel Manager will be shown "Manager Home Screen". **(Figure 2.2).** Error message is shown for incorrect login detail.
3. **TUCEW** The System User gains access into the system. System Users see their respective home screens.	
Post condition: The system has now granted access to the system user and the user can now perform their respective functions.	

Figure 1.1

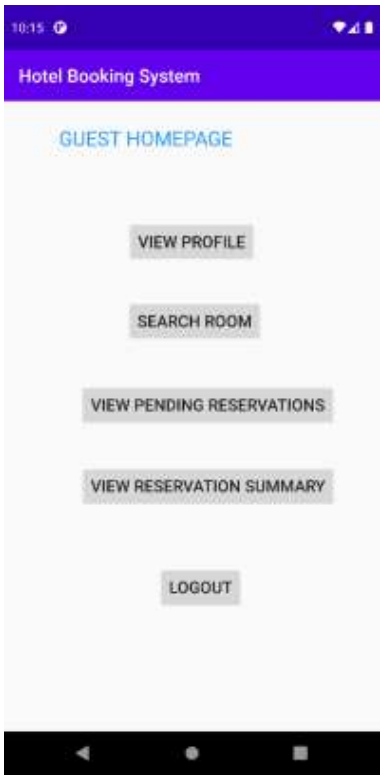

Figure 2.1

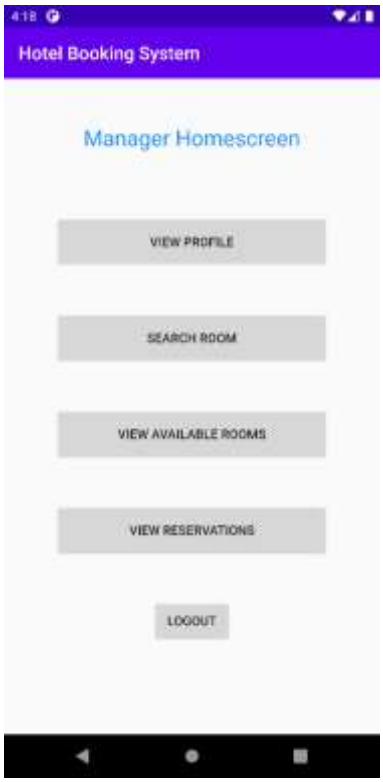

Figure 2.2

Figure 2.3

UC 6: Search Room

Precondition: The System shows the User as Logged in and will be on Guest Home screen.	
Actor: Guest	**System: Hotel Booking System**
	0.System Displays the Guest Homepage **(Figure 2.1).**
1. TUCBW Guest selects the "SEARCH ROOM" function on Guest Homepage.	2.System Displays the Search Room form in "Search room screen" **(Figure 3.1).**
3.Guest fills the details and clicks on "SEARCH" button.	***** 4.System displays the scrollable list of available rooms sorted by Hotel Name in alphabetical order in "Room list Screen" with an option to view detailed information matching by user entered information**. (Figure 3.2,3.3)**
5.TUCEW Guest sees the list of available rooms matching his search criteria with an option to "VIEW" further.	
Post condition: The system shows the list of available rooms based on user entered information with an option to view any room on the list specifically. If there is no match for user entered information system will return empty list.	

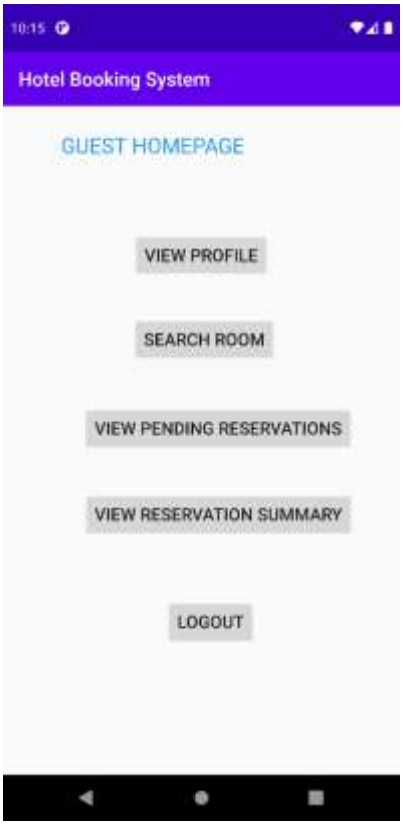

Figure 2.1

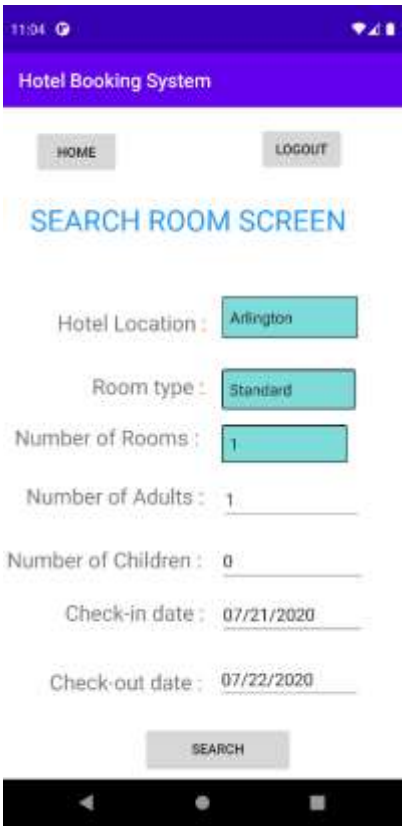

Figure 3.1

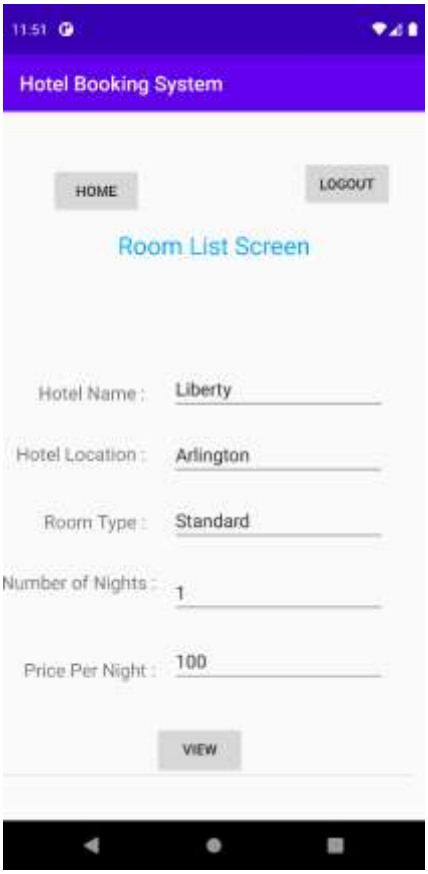

Figure 3.2

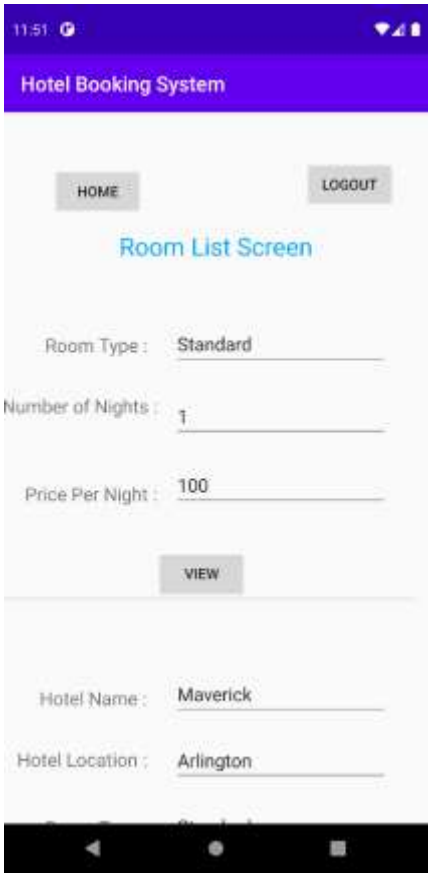

Figure 3.3

UC 7: View Room

Precondition: The System shows the User as Logged in and will be on the Room list Screen. Guest performs Search Room function before reaching this Room list Screen.	
Actor: Guest	**System: Hotel Booking System**
	0.System Displays the Room list Screen. **(Figure 3.2)**
1. TUCBW Guest selects any room from the list of rooms produced after performing search room function by selecting "VIEW" function from Room list Screen.	2.System Displays the detailed information about that particular room selected by Guest on "View Room Screen". **(Figure 4.1,4.2)**
3. **TUCEW** Guest views the information about that particular room on View Room Screen and has an option to reserve a room by selecting "RESERVE" function.	
Post condition: The system shows the details of a particular room selected by Guest and has an option to reserve that particular room or go back to previous screen.	

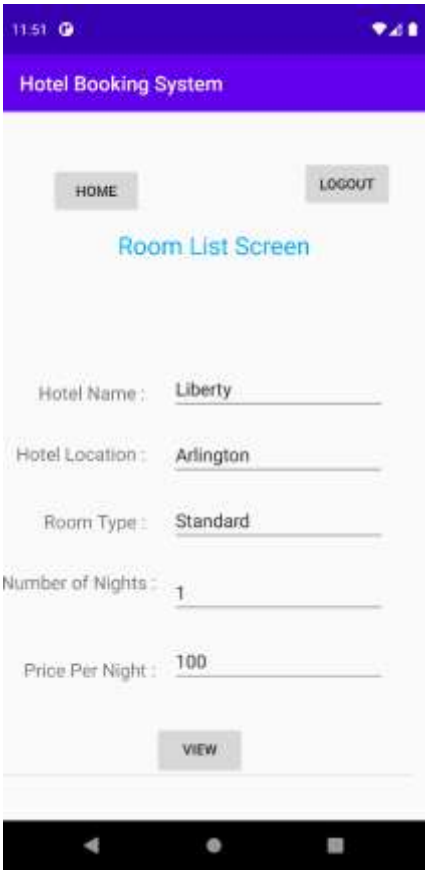

Figure 3.2

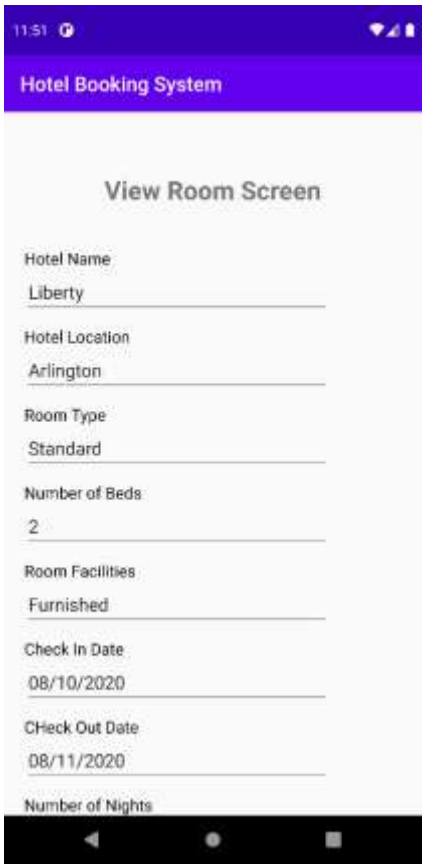

Figure 4.1

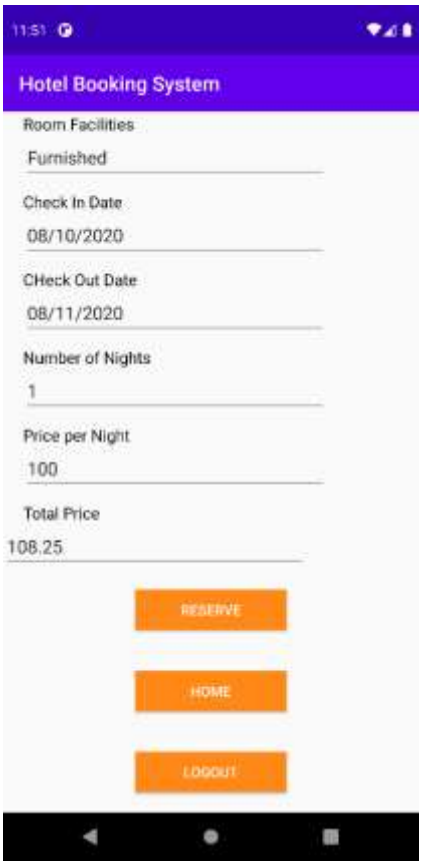

Figure 4.2

UC 8: Reserve Room

Precondition: The System shows the User as Logged in and will be on View Room Screen.	
Actor: Guest	**System: Hotel Booking System**
	0.System displays the View Room Screen**. (Figure 4.1)**
1. TUCBW Guest selects "RESERVE function from View Room Screen.	*2. System displays Reserve Room Screen with an option to confirm reservation or save reservation for future payment. **(Figure 5.1,5.2)**
3. **TUCEW** Guest can see the Reserve Room Screen with options to Confirm or Save.	
Post condition: The system shows the details of a particular room then Guest can reserve that particular room or save the booking for that particular room and creates a new reservation in the system.	

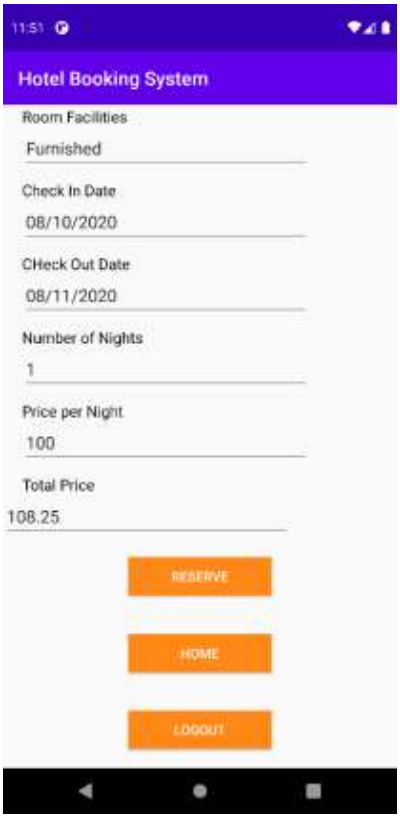

Figure 4.2

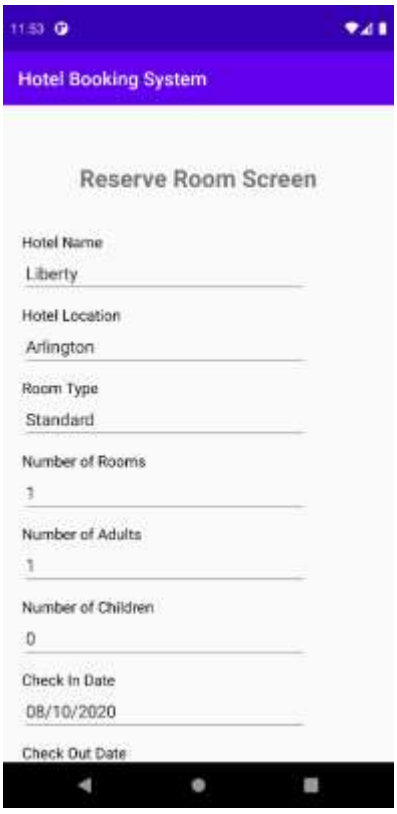

Figure 6.1

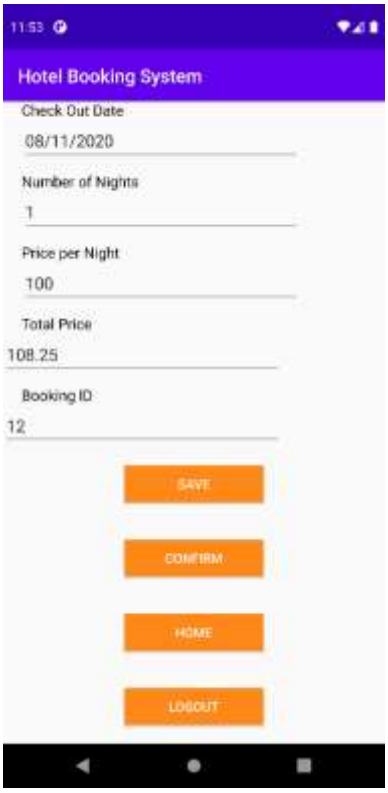
11:53
Hotel Booking System
Check Out Date
08/11/2020
Number of Nights
1
Price per Night
100
Total Price
108.25
Booking ID
12
SAVE
CONFIRM
HOME
LOGOUT

Figure 5.2

UC 9: View Pending Reservations

Precondition: The System shows the User as Logged in and will be on Guest Homepage.	
Actor: Guest	**System: Hotel Booking System**
	0.System Displays the Guest Homepage **(Figure 2.1).**
1. TUCBW Guest selects the View Pending reservation option on Guest Homepage	2.System displays list of pending reservations in "Pending reservations" screen with an option to "PAY". List is sorted based on check in date. If same sorted by Hotel name in alphabetical order. **(Figure 6.1,6.2)**
3. **TUCEW** Guest sees the "Pending reservations" screen with an option to "pay" any pending reservation.	
Post condition: The system displays the view pending reservation screen with an option to pay and can go back to Guest home screen.	

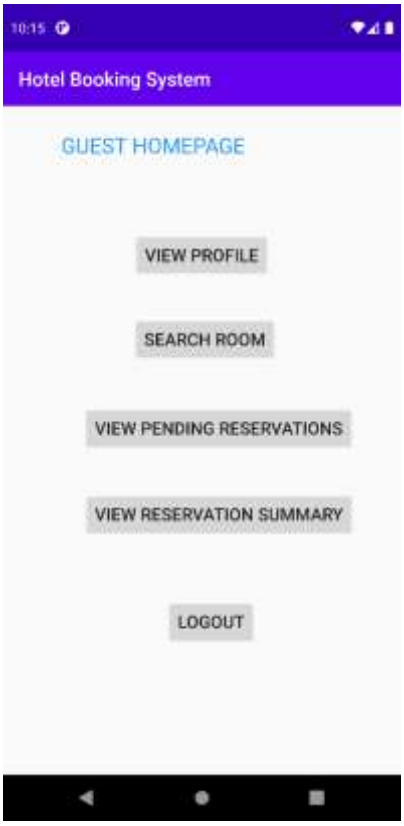

Figure 2.1

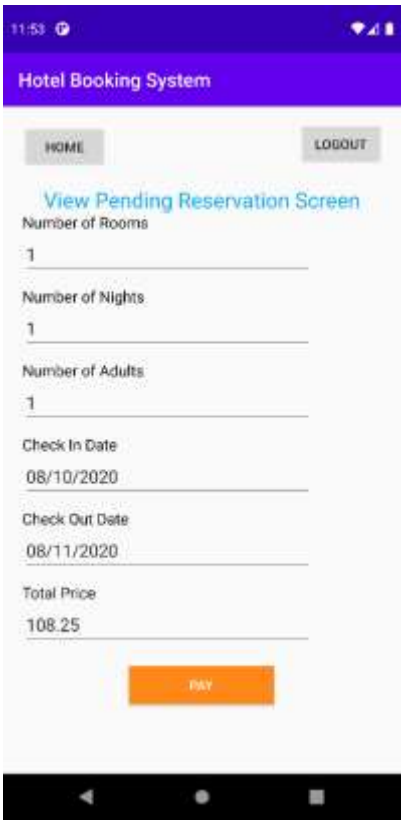

Figure 7.1

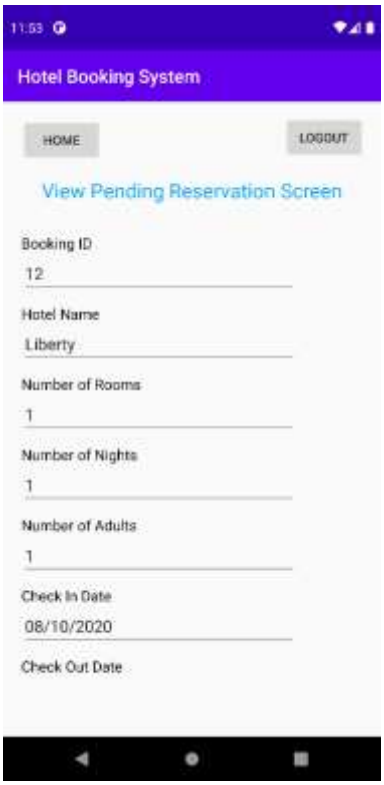
11:53
Hotel Booking System
HOME
LOGOUT
View Pending Reservation Screen
Booking ID
12
Hotel Name
Liberty
Number of Rooms
1
Number of Nights
1
Number of Adults
1
Check In Date
08/10/2020
Check Out Date

Figure 6.2

UC 10: Confirmation

Precondition: The System shows the USER as logged in and will be in view pending reservation screen or reserve room screen.	
Actor: Guest	**System: Hotel Reservation System**
	0.System Displays “Pending reservations” screen. **(Figure 6.1)**
1. TUCBW Guest selects “PAY “function from the Pending Reservations Screen.	2.System Displays the “Payment” screen. **(Figure 7.1)**
3. Guest can enter the billing address and CVV and clicks on “Pay” button.	*4. System displays successful message and booking details on “Confirmation” Screen**.** **(Figure 7.2,7.3)**
5. TUCEW Guest views successful message with booking details.	
Post condition: The system displays confirmation with booking details and can go back to Guest home screen.	

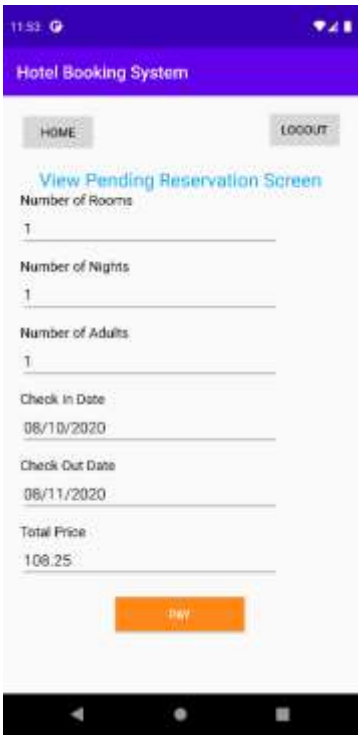

Figure 6.1

Figure 8.1

Figure 9.2

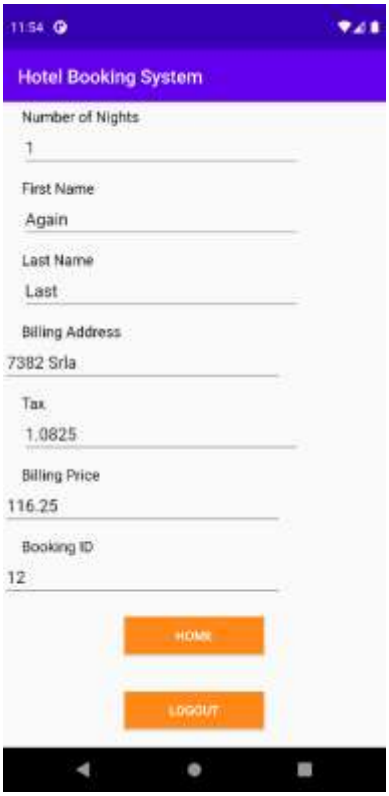
11:54
Hotel Booking System
Number of Nights
1
First Name
Again
Last Name
Last
Billing Address
7382 Srla
Tax
1.0825
Billing Price
116.25
Booking ID
12
HOME
LOGOUT

Figure 10.3

UC 11: View Reservation Summary

Precondition: The System shows the User as Logged in and will be on Guest Homepage.	
Actor: Guest	**System: Hotel Booking System**
	0.System Displays the Guest Homepage. **(Figure 2.1).**
1. TUCBW The Guest selects the "VIEW RESERVATION SUMMARY" function from the Guest Homepage.	2.System Displays the "Reservation Summary" screen to enter date. **(Figure 8.1)**
3. Guest enters the date and selects "VIEW" button on the Reservation Summary screen.	* 4. System displays the list of all the reservations which matches the search criteria alongside with "VIEW" button on "Reservation Summary" screen. List will be sorted on "check-in date" (**Figure 8.2)**
5. TUCEW Guest can view the list of all the reservations which matches the search criteria on "Reservation Summary" screen with an option to view detailed information.	
Post condition: System displays the view reservation summary screen with an option to view detailed information and can go back to Guest Home screen.	

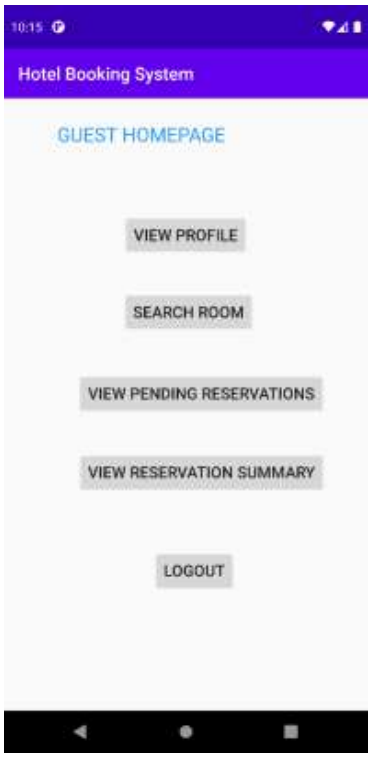

Figure 2.1

Figure 11.1

Figure 8.2

UC 12: View Reservation

Precondition: The system has a registered account for the system user as a 'Guest'. System shows the Guest as logged in on the 'View Reservation Summary' screen.	
Actor: Guest	**System: Hotel Booking System**
	0. System displays 'Reservation Summary' screen (figure 9.1)**.**
1. TUCBW The Guest selects the "VIEW" function to view a specific reservation on 'Reservation Summary' screen.	2. System displays the details of the selected reservation on 'View Reservation' screen with a 'MODIFY and a 'CANCEL button (figure 9.2).
3. TUCEW The Guest views the details of the selected reservation along with a 'MODIFY and a 'CANCEL function on 'View Reservation' screen.	
Post condition: The system displays details of the selected reservation with Modify and Cancel button.	

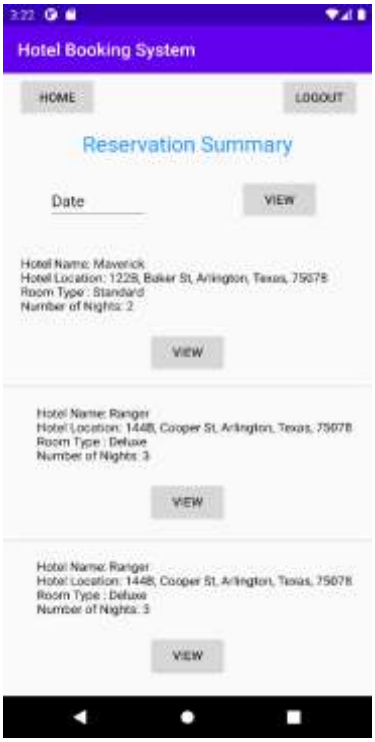

Figure 9.1

Figure 9.2

UC 13: Modify Reservation

Precondition: The system has a registered account for the system user as a 'Guest'. System shows the Guest as logged in on the 'View Reservation' screen.	
Actor: Guest	**System: Hotel Booking System**
	0. System displays 'View Reservation' screen (figure 10.1)**.**
1. TUCBW The Guest selects the 'MODIFY function on the 'View Reservation' screen.	2. System displays 'Modify Reservation' screen (figure 10.2).
3. The Guest edits details on 'Modify Reservation' screen and clicks on the 'CONFIRM' button.	*4. System displays 'View Reservation' screen with a reservation modified successfully message for successful modification (figure 10.3).
5. TUCEW The Guest views confirmation message with modified details on 'View Reservation' screen.	
Post condition: The system updates the details of the reservation on the 'View Reservation' screen.	

Figure 10.1

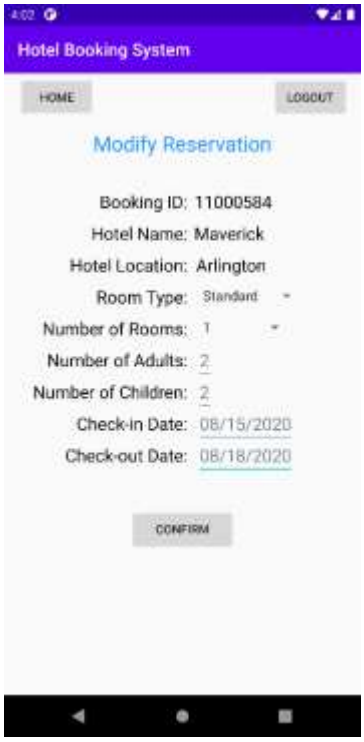

Figure 10.2

Figure 10.3

UC 14: Cancel Reservation

Precondition: The system has a registered account for the system user as a 'Guest'. System shows the Guest as logged in on the 'View Reservation' screen.	
Actor: Guest	**System: Hotel Booking System**
	0. System displays 'View Reservation' screen (figure 11.1)**.**
1. TUCBW The Guest selects the 'CANCEL function on the 'View Reservation' screen.	*2. System displays 'Reservation Summary' screen with a reservation cancelled successfully message for successful cancellation (figure 11.2).
3. TUCEW The Guest views the confirmation message on the updated 'Reservation Summary' screen.	
Post condition: The system deletes the reservation and updates the 'View Reservation Summary' screen.	

Figure 11.1

Figure 11.2

UC 15: View List of Reservation

Precondition: System shows the Manager as logged in.	
Actor: Manager	**System: Hotel Booking System**
	0.System displays manager Home Screen (figure 12.1)**.**
1. TUCBW Manager selects the View Reservations function on Manager Home Screen.	2.System displays the 'View List of Reservation' screen (figure 12.2).
3.Manager enters Date and Room Type and clicks on 'view list' button.	*4. System displays list of details for all the reservations from the selected room type sorted by date and reservation time. (figure 12.3).
5.TUCEW Manager sees the list of reservations on View List of Reservation screen.	
Post condition: The system displays the list of reservation screen.	

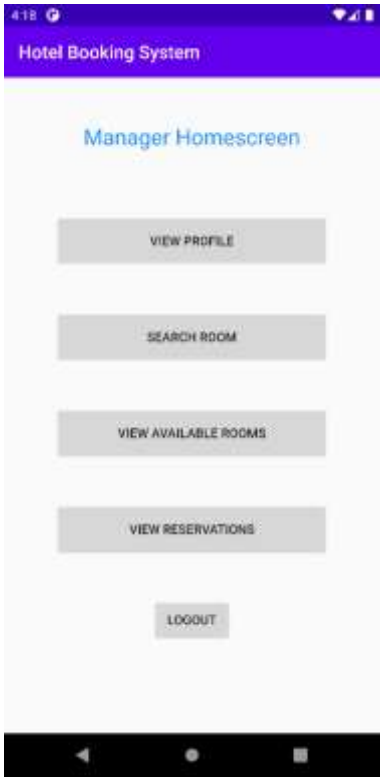

Figure 12.1

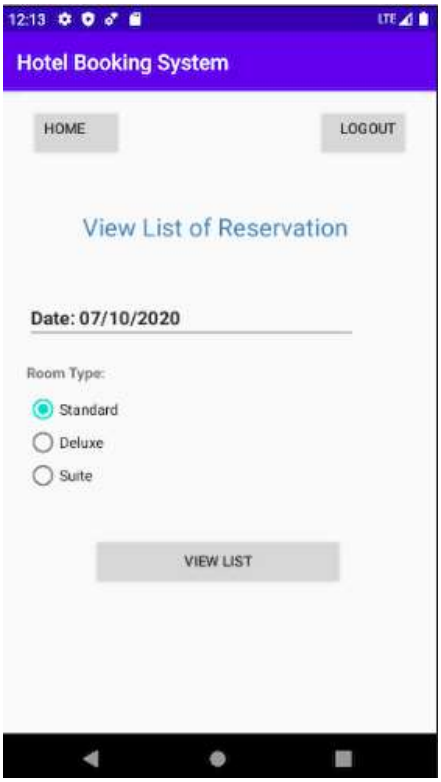

Figure 12.2

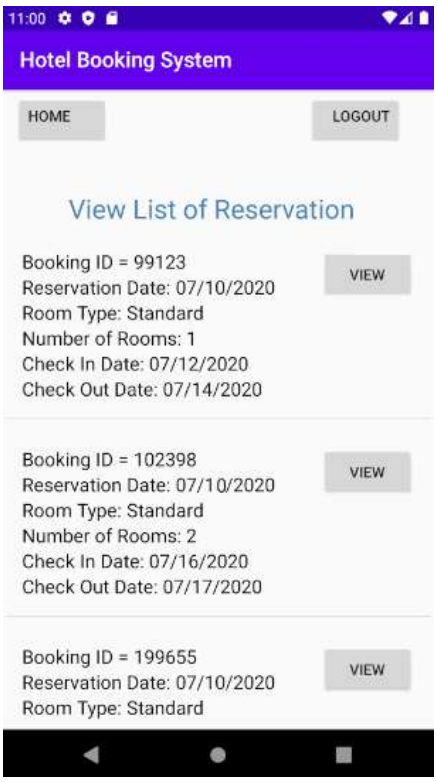

Figure 12.3

UC 16: View Details of Specific Reservation

Precondition: System shows the Manager as logged in. System shows the Manager in View List of Reservation screen.	
Actor: Manager	**System: Hotel Booking System**
	0. System displays the View List of Reservation screen (figure 13.1)**.**
1. TUCBW Manager selects a specific reservation from the list by performing 'VIEW' function from View List of Reservation screen.	2. System displays the details of the specific selected reservation from the list in View Details of Specific Reservation screen (figure 13.2).
3.TUCEW Manager sees the details of a specific reservation on the View Details of Specific Reservation screen.	
Post condition: The system displays the Details of Specific Reservation.	

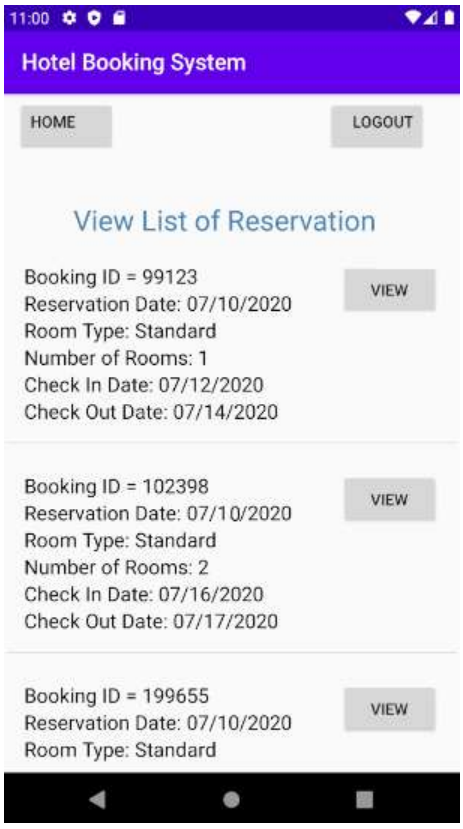

Figure 13.1

Figure 13.2

UC 17: View Available Rooms

Precondition: **The system shows the user logged in and it is showing the user Manager Home screen**	
Actor: Manager	**System: Hotel Booking System**
	0. System displays the Manager Home screen (Refer Fig 14.1).
1. **TUCBW** Manager selects the "View Available Rooms" function from Manager Home Screen.	2. System displays the View Available Rooms screen showing a selectable list of available rooms by default values. (Refer Fig 14.2).
3. The manager inputs the Date, Time, Room type and clicks on "search" button to view the list of available rooms for non-default values.	* 4. System displays View Available Rooms screen with a selectable list of available rooms for the selected date, time and room type with View and Modify buttons. The list can be sorted by room type. (Refer Fig 14.3).
5. **TUCEW** Manager views the View Available Rooms screen.	
Postcondition: The system provides the selectable list of all the available rooms.	

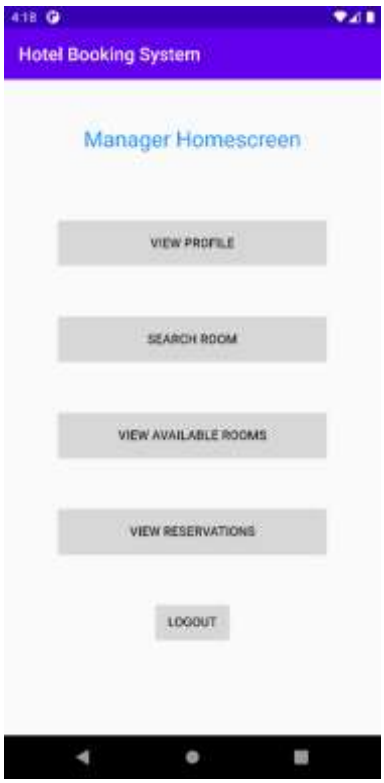

Figure 14.1

Figure 14.2

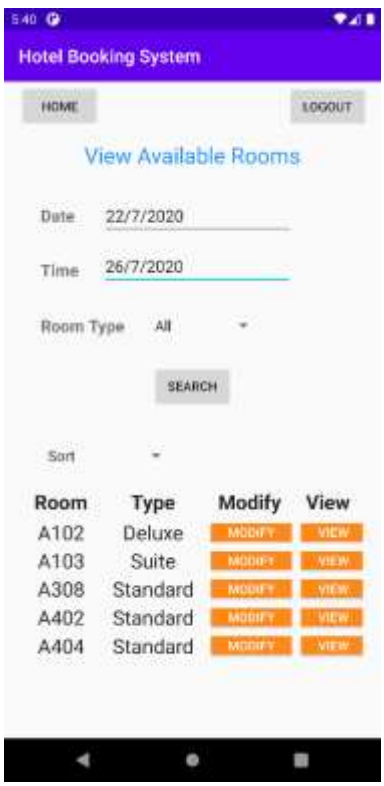

Figure 14.3

UC 18: Search Room

Precondition: **The system shows the user logged in and it is showing the manager Home screen**	
Actor: Manager	**System: Hotel Booking System**
	0. System displays the Manager Home screen (Refer Fig 15.1).
1. **TUCBW** Manager selects the “Search Room” function from Manager Home screen	2. System displays the Search Room screen (Refer Fig 15.2).
3. The manager enters the room number and clicks on “Search” button.	✱ 4. System displays the Search Room screen with the room details of the searched room if no error found (Refer Fig15.3).
5. **TUCEW** Manager views the Search Room Screen.	
Postcondition: The system displays search room screen on the user screen.	

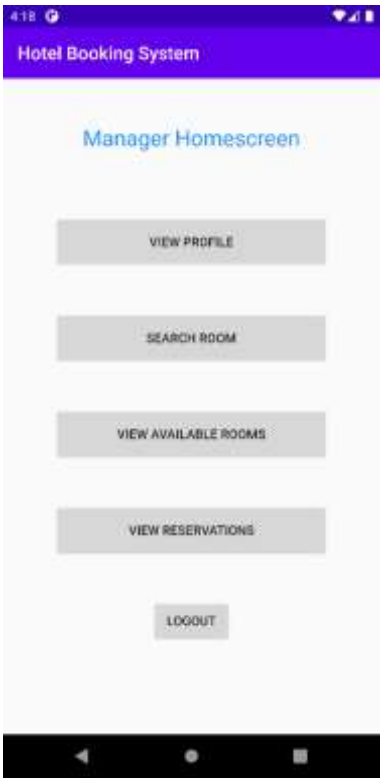

Figure 15.1

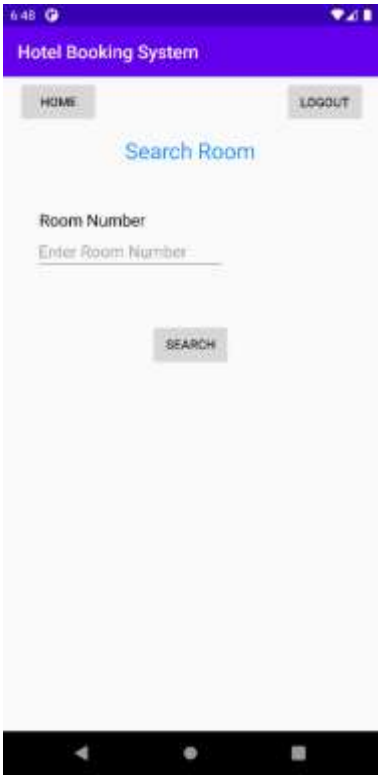

Figure 15.2

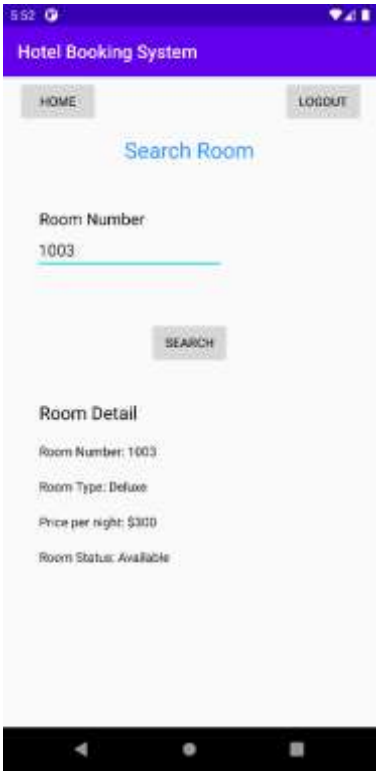

Figure 15.3

UC 19: Modify Room

Precondition: **The system shows the user logged in.**	
Actor: Manager	**System: Hotel Booking System**
	0. System displays the View Available Rooms screen (Refer Fig 16.1).
1. **TUCBW** Manager selects a room from the list in View Available Rooms screen by performing “MODIFY” function.	2. System displays editable detail of the room on the “Modify Room” screen with a Cancel and a Save button (Refer Fig 16.2).
3. The manager can modify one or more fields and clicks on “SAVE” button in Modify Room screen.	* 4. System modifies the room details with the new values if no error(s) found, a message will be displayed “Details Modified Successfully” (Refer Fig 16.3) and gets redirected to View Available Room screen (Fig 16.4)
4. **TUCEW** Manager sees the View Available Rooms screen	
Post condition: The system will update the values of the room modified on View Available Rooms screen.	

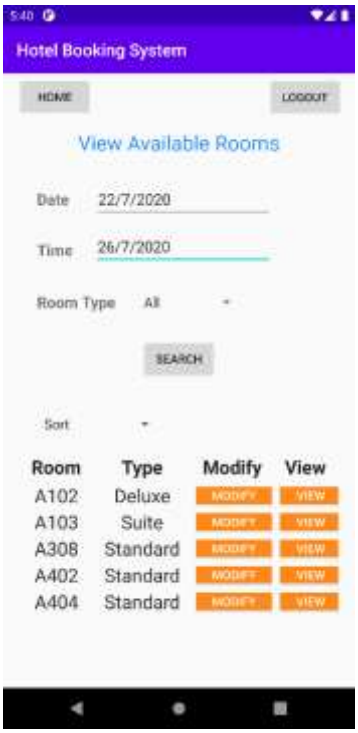

Figure 16.1

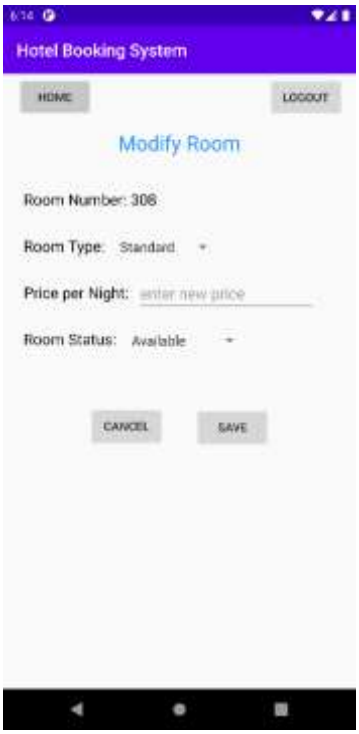

Figure 16.2

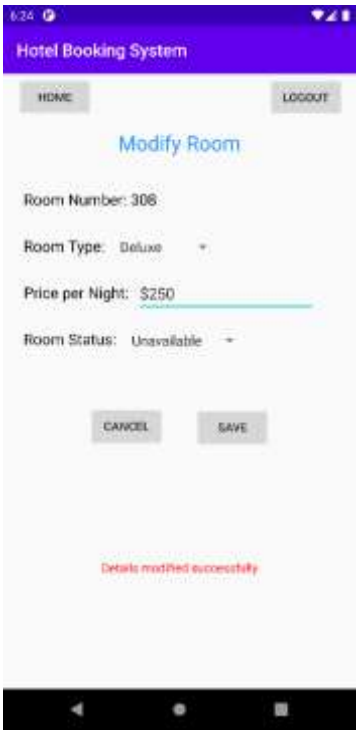

Figure 16.3

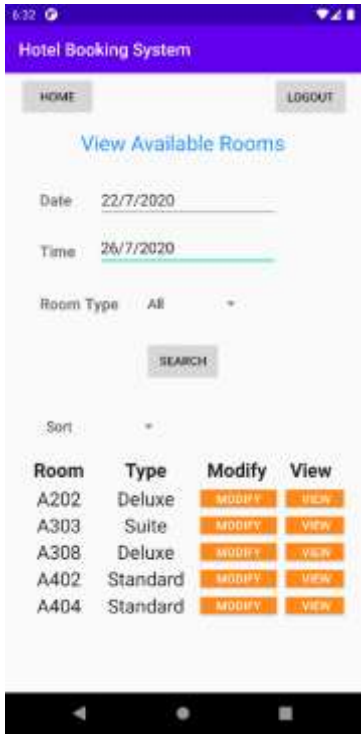

Figure 16.4

UC 3: Logout

Precondition: **The system shows the user as logged in.**	
Actor: System User	**System: Hotel Booking System**
	0. System displays System User Home screen (GUEST, ADMIN, MANAGER) (**Refer Fig 3.1, 3.2, 3.3**).
1. **TUCBW** System user selects the "LOGOUT" function from their respective Home screen.	2. The system will logout the user from the system and will be redirected to 'Application Main Screen' (**Refer Fig 3.4**).
3. **TUCEW** System user logs out from the system successfully and views 'Application Main Screen'.	
Postcondition: The system displays Application Main Screen after logout and user needs to login if he wants to perform his functionalities.	

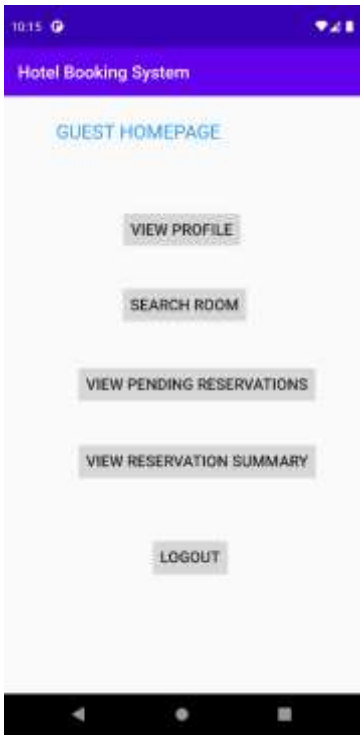

Figure 3.1

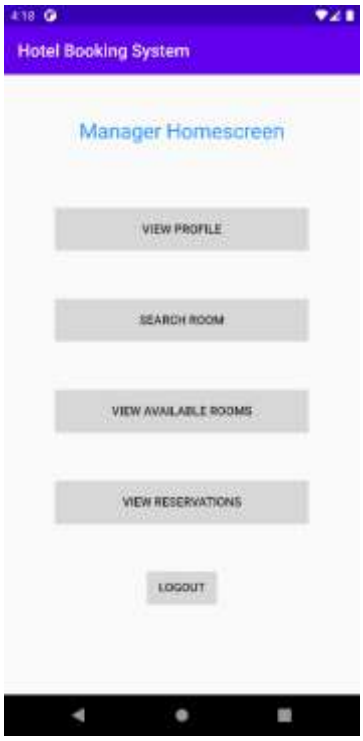

Figure 3.2

Figure 3.3

Figure 3.4

UC 4: View Profile

Precondition: The system shows the System User as logged in.	
Actor: System User (Guest/Hotel Manager/Admin)	**System: Hotel Booking System**
	0. The system displays different pages (with respective to System User): (i) Guest will be shown "Guest Homepage" **(Fig 4.1).** (ii) Hotel Manager will be shown "Manager Home Screen" **(Fig 4.2).** (iii) Admin will be shown "Admin Home Screen". **(Fig 4.3).**
1. TUCBW The System User selects the View Profile function on System User (Guest/Hotel Manager/Admin) Home Screen.	2.System displays the 'View Profile' screen with a 'MODIFY' button for Guest **(Fig 4.1.1, Fig 4.1.2),** for Manager **(Fig 4.2.1, Fig 4.2.2)** and for Admin **(Fig 4.3.1, Fig 4.3.2).**
3.TUCEW The System User sees the profile details on View Profile screen.	
Post condition: The system displays the System User (Guest/Hotel Manager/Admin) View Profile screen.	

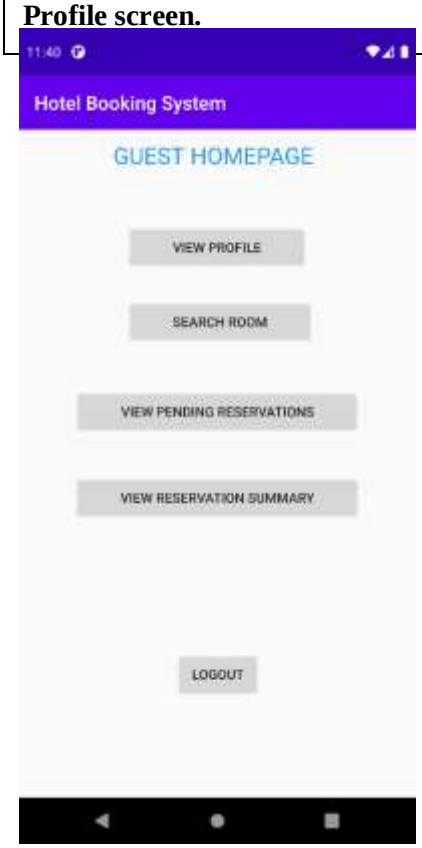

Figure 4.1

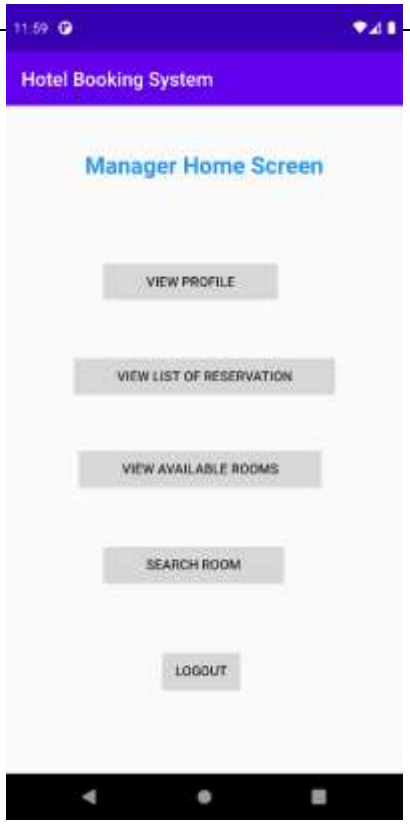

Figure 4.2

Figure 4.3

Figure 4.1.1

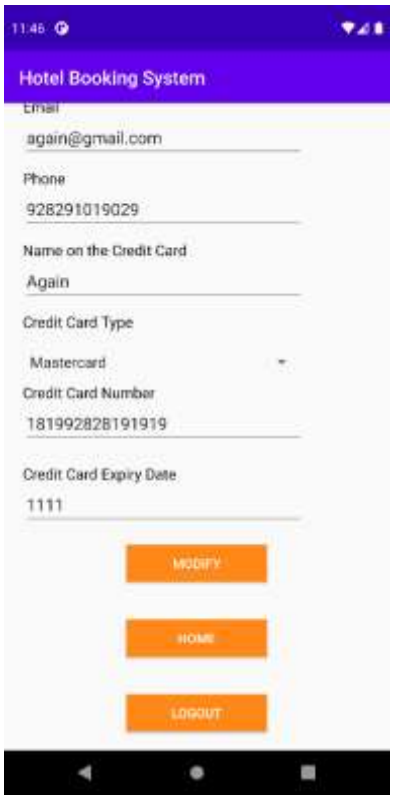

Figure 4.1.2

Figure 4.2.1

Figure 4.2.2

Figure 4.3.1

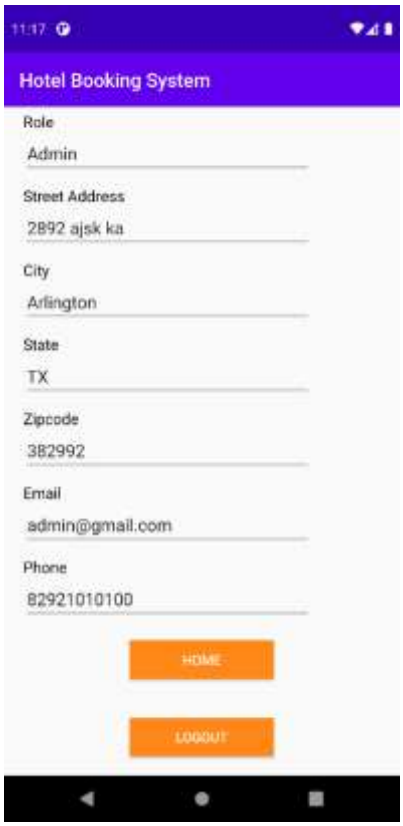

Figure 4.3.2

UC 5: Update Profile

Precondition: System shows the System User logged in as Guest/Manager.	
Actor: System User (Guest/ Hotel Manager)	**System: Hotel Booking System**
	0. System displays the Guest/Hotel Manager 'View Profile Screen' **(Fig 5.1, Fig 5.2, Fig 5.3, Fig 5.4).**
1. TUCBW The Guest/ Hotel Manager selects 'Modify' function from Guest/Hotel Manager 'View Profile' Screen.	2. System displays the 'Modify Details' screen for Guest **(Fig 5.5, Fig 5.6)** and for Hotel Manager (**Fig 5.7, Fig 5.8**)**.**
3. The Guest/ Hotel Manager can update one or more (editable) fields and clicks on 'Modify' button on the 'Modify Details' screen.	* 4. System asks for confirmation (**Fig 5.9**) updates the Guest/ Hotel Manager profile with new values and redirects to 'View Profile Screen' **(figure 5.10) (figure 5.11).**
5.TUCEW The Guest/Hotel Manager sees the modified information on 'View Profile' Screen.	
Post condition: The system will update the detail of the Guest/Hotel Manager profile.	

Figure 5.1

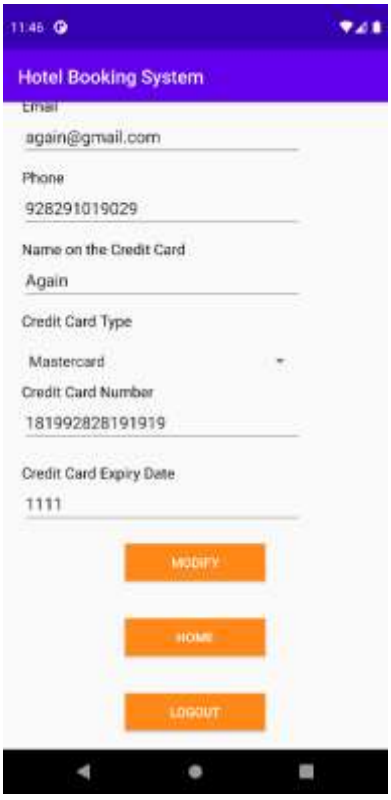

Figure 5.2

Figure 5.3

Figure 5.4

Figure 5.5

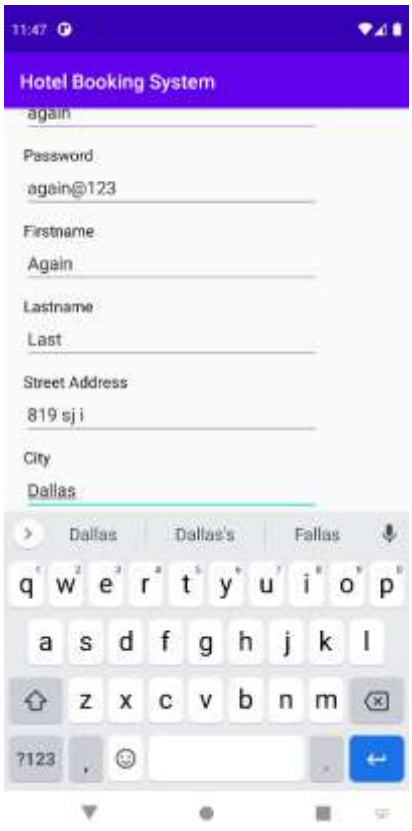

Figure 5.6

Figure 5.7

Figure 5.8

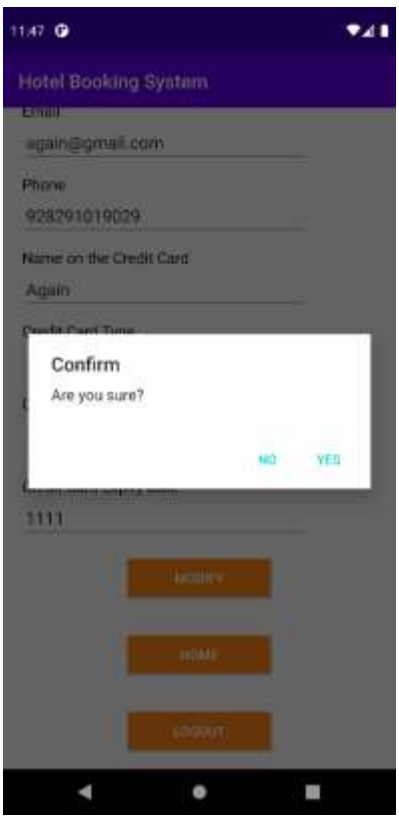

Figure 5.9

Figure 5.10

Figure 5.11

UC 20: Search Guest/Manager

Precondition: **The system shows the System User logged in as Admin and it is showing Admin Home screen**	
Actor: Admin	**System: Hotel Booking System**
	0. System displays the 'Admin Home Screen' (**Refer Fig 20.1**).
1. **TUCBW** the admin selects the "Search Guest/Manager" function from the 'Admin Home Screen'.	2. System displays 'Search Guest/Manager Screen' (**Refer Fig 20.2**).
3. The Admin types a last name and clicks on "search" button on the 'Search Guest/Manager Screen'.	4. * System checks the submitted information and displays a selectable list of users with the matching last name and View button on the 'Search Guest/Manager Screen'. (**Refer Fig 20.3).**
5. **TUCEW** the Admin sees the selectable list of all the users with the same last name on 'Search Guest/Manager screen'.	
Postcondition: The system displays Search Guest/Manager screen with the selectable list of all the users with same last name.	

Figure 20.1

Figure 20.2

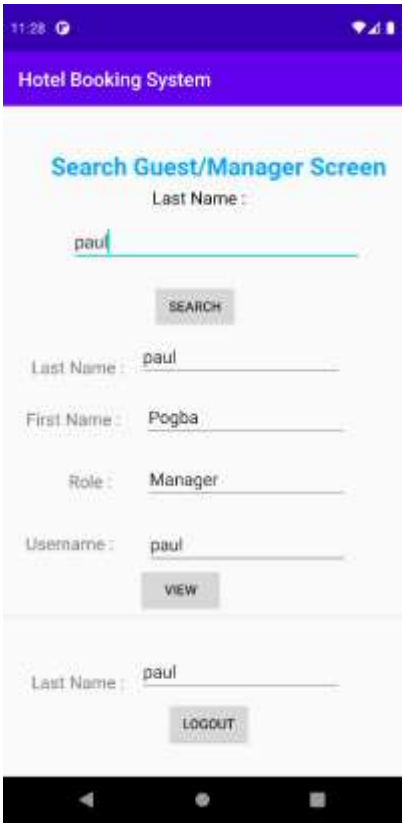

Figure 20.3

UC 21 View Selected Guest/Manager

Precondition: The system shows the System User logged in as Admin and shows the Search Guest/Manager screen.	
Actor: Admin	**System: Hotel Booking System**
	0. System displays the 'Search Guest/Manager screen'. **(figure 21.1)**
1. TUCBW The Admin selects 'View' function from 'Search Guest/Manager' Screen.	2. System displays the 'View Guest/Manager' screen with a 'Modify' button and 'Delete' button **(figure 21.2) (figure 21.3).**
3. TUCEW The Admin sees the 'View Guest/Manager' screen.	
Post condition: The system will show the View Guest/Manager screen.	

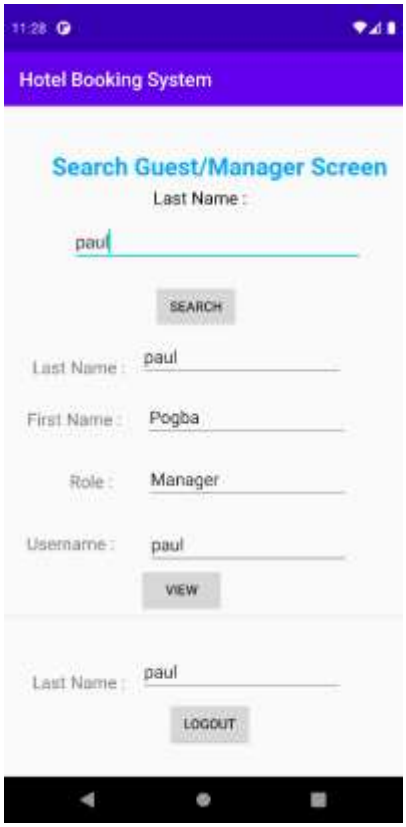

Figure 21.1

Figure 21.2

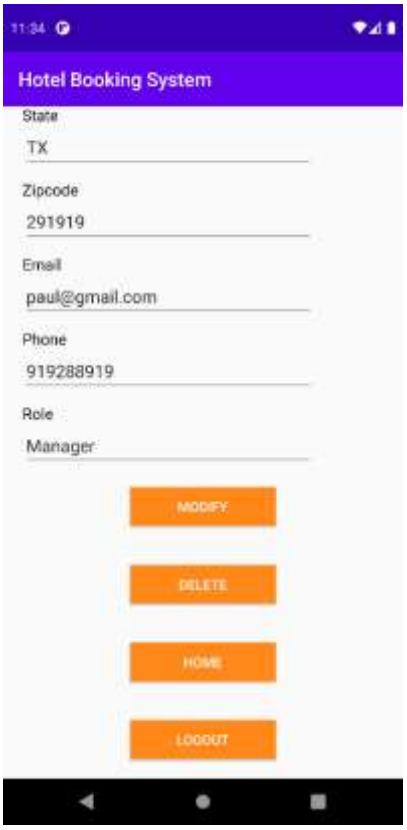

Figure 21.3

UC 22 Edit Guest

Precondition: **The system shows the System user logged in as Admin and it is showing the View Selected Guest/Manager screen.**	
Actor: Admin	**System: Hotel Booking System**
	0. System displays the 'View Selected Guest/Manager Screen' (**Refer Fig 22.1, Fig 22.2**).
1. **TUCBW** Admin selects the "MODIFY" function from 'View Selected Guest/Manage Screen'.	2. System displays the 'Modify Selected Guest/Manager screen' with editable fields. (**Refer Fig 22.3, Fig 22.4**).
3. The Admin changes the editable details and clicks on 'Modify' button.	4. * System asks for confirmation **(Fig 22.5)** and if "YES" updates the edited information and redirects to 'View Selected Guest/Manager Screen' with the updated information (**Refer Fig 22.6**).
5. **TUCEW** Admin views the 'View Selected Guest/Manager Screen' after modification of details.	

Postcondition: The system displays View Selected Guest/Manager Screen after updating the details successfully.

Figure 22.1

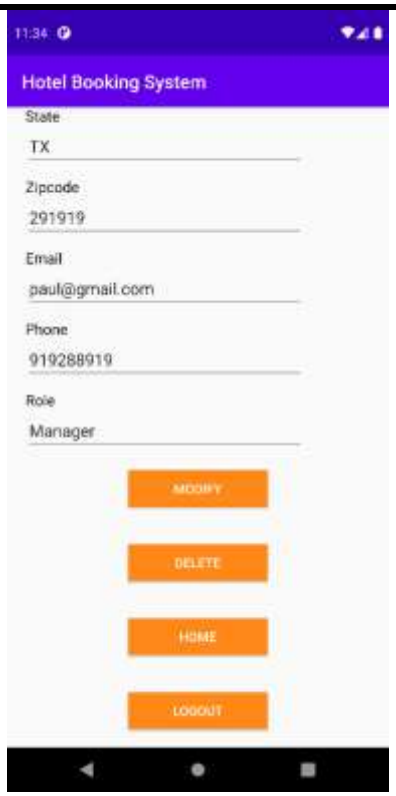

Figure 22.2

Figure 22.3

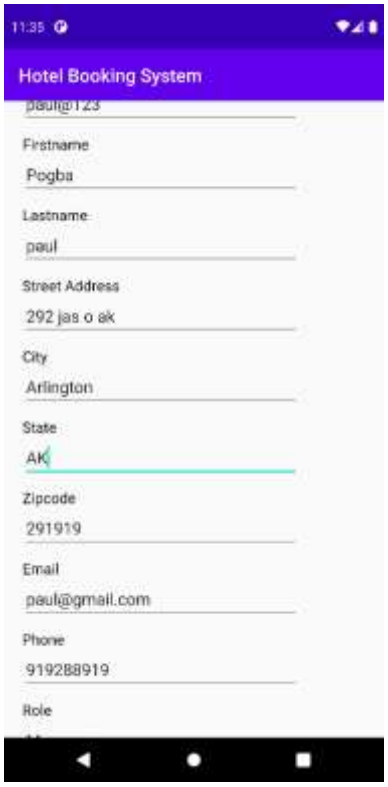

Figure 22.4

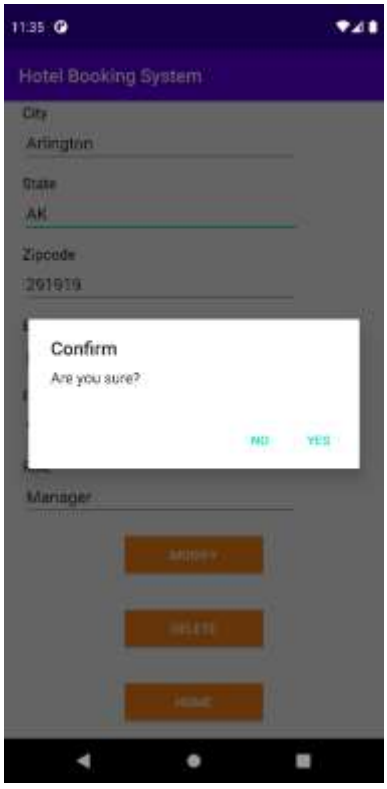

Figure 22.5

Figure 22.6

UC 23 Delete Guest/Manager

Precondition: **The system shows the System User logged in as Admin and it is showing the View Selected Guest/Manager screen**	
Actor: Admin	**System: Hotel Booking System**
	0.System displays the 'View Selected Guest/Manager Screen' (**Fig 23.1, Fig 23.2**).
1. **TUCBW** Admin selects the "DELETE" function from 'View Selected Guest/Manage Screen'.	2. * System asks for confirmation (**Fig 23.3**) and if "YES" it will get redirected to 'Search Guest/Manager Screen' after deleting user from database (**Fig 23.4**).
3. **TUCEW** Admin views the 'Search Guest/Manager' Screen after guest/manager being deleted.	
Postcondition: The system displays View Selected Guest/Manager Screen after deleting the guest/manager.	

Figure 23.1

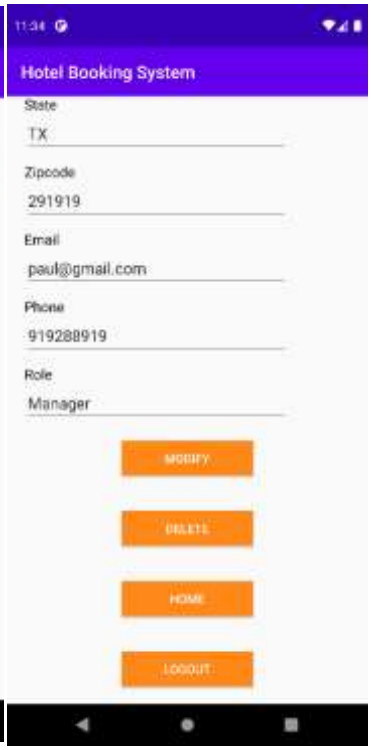

Figure 23.2

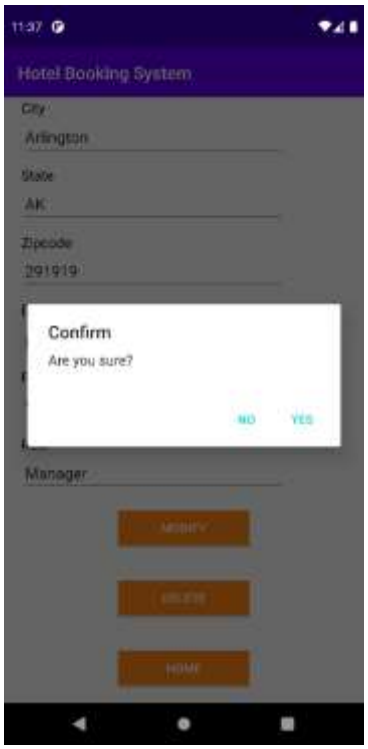

Figure 23.3

Figure 23.4