Hotel Reservation Software

Group 1 Project Test Cases, Rev 3

CMSC 495 ( 6380) Current Trends and Projects in Computer Science (2205)

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Professor Hung Dao

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Group 1 Members:

Jacob Valentine

Leonardo Elias

Emmanuel Girin

Marques Young

# Revision Table

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| **Revision** | **Date** | **Description** | **Contributor** |
| 0 | 06/23/2020 | Creating Document, Cover Page, Revision Table, and test case section. | Jacob Valentine |
| 1 | 06/23/2020 | Review of all Sections | Leonardo Elias |
| 2 | 06/23/2020 | Added test Case Descriptions and Expected Results | Jacob Valentine |
| 3 | 06/23/2020 | Finalized the Requirements Satisfied column | Leonardo Elias and Jacob Valentine |

# Test Cases

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| --- | --- | --- | --- | --- | --- |
| Test Case Number | Requirements Satisfied | Description | Expected Results | Actual Results | Pass/Failed |
| 1 | 12,25,23 | Start up the application. | The GUI should appear, and prompt the user for a login. |  |  |
| 2 | 2,12,25,23 | When prompted for a login, the user will provide a valid employee ID number and associated password, and press enter. | The GUI application, upon verifying the login information, change to display the Customer manager screen. |  |  |
| 3 | 2,12,25,23 | When prompted for a login, the user will provide an invalid Employee ID and any password, and press enter. | The GUI will display an error message saying that “Invalid Employee ID” before prompting the user for a valid login again. |  |  |
| 4 | 2,12,25,23 | When prompted for a login, the user will provide a valid Employee ID, but an invalid or non-associated password, and press enter. | The GUI will display an error message saying that “Invalid Password” before prompting the user for a valid login again. |  |  |
| 5 | 1,3,12,14 | On the Customer Manager screen, select the “Create New Customer” option. When prompted for the new Customer’s information, enter valid information for all fields. | The system will add the customer information as a new entry into the customer records database, and the user will be given a message confirming the entry. |  |  |
| 6 | 1,3,12,14 | On the Customer Manager screen, select the “Create New Customer” option. When prompted for the new Customer’s information, enter valid information for all fields except for payment information, which they will instead enter a non-numeric input into the credit card payment field. | The system will give the user an error message pointing out the invalid credit card input, and allow the user to resubmit the same form so long as they provide a new valid input for that field. |  |  |
| 7 | 1,4,15 | On the Customer Manager screen, the user will input the information of an existing customer entry to select a customer. | The system will check the customer records database for the selected customer entry, and return that customer’s information. This will set that customer as the current active customer, and the GUI will display the Reservation manager screen. |  |  |
| 8 | 1,14,15,17, | On the Customer Manager screen, the user will input information not linked to any current customer record, and attempt to select that customer. | The system, upon finding no record for the customer, will display an error message to the user stating that no customer has been found matching that information, and the user will remain on the customer manager screen until proper information is entered. |  |  |
| 9 | 3, 14, 15 | The user inputs the information linked to an existing customer entry, and selects the “Modify Customer Account” option. When prompted for new information, input new valid information where needed. | The Customer entry of the CustomerRecords database is updated and the user is given a confirmation message. |  |  |
| 10 | 9, 13, 17, 18 | On the reservation manager screen, have the user input a checkin date for a reservation linked to the active customer, and press “look up reservations” | The user is given a list of reservations that the customer is linked to for that given checkin day, alongside the information related to each reservation. If there is no reservation for that given day, the list will display a blank. |  |  |
| 11 | 9, 13, 17, 18 | On the reservation manager screen, have the user input a valid Reservation ID, and press “Select Reservation”. | The user is given the information for the associated reservation, and it is set as the actively selected reservation. |  |  |
| 12 | 9, 13, 17, 18 | On the reservation manager screen, have the user input an invalid Reservation ID not linked to any existing reservation, and press “Select Reservation” | The user will be presented an error message stating that no such reservation exists. |  |  |
| 13 | 13, 18, 19 | On the reservation manager screen, and with a reservation selected, the user presses the “delete reservation” button. When prompted on the “Are you sure” window, select “Yes”. | The system removes the reservation from the reservation database, and the user is presented a confirmation message confirming that the reservation has been canceled. |  |  |
| 14 | 13, 18, 19 | On the reservation manager screen, and with a reservation selected, the user presses the “delete reservation” button. When prompted on the “Are you sure” window, select “No”. | The system remains as is, and the reservation remains both selected and in the reservation record. |  |  |
| 15 | 9, 10, 11, 13, 17, 20, 22, 25 | On the Reservation manager screen, the user inputs a checkin date, desired room style, and presses “Display available rooms”. | The system will return a message displaying a list of all matching rooms available for reservation on that checkin date, including their room ID and when their next reservation date will be if they have a future reservation. |  |  |
| 16 | 9, 13, 17, 20, 22, 25 | On the Reservation manager screen, the user inputs a valid room ID, checkin date, and checkout date, before pressing “Reserve Room”. | The new reservation is made and the user is shown a confirmation message. |  |  |
| 17 | 9, 13, 17, 20, 22, 25 | On the Reservation manager screen, the user inputs a an invalid room ID, as well as a valid checkin date and checkout date, before pressing “Reserve Room”. | The user is given an error message saying that the room ID could not be found. |  |  |
| 18 | 3, 4, 5, 6, 7, 24 | On startup, when prompted for a login, attempt to do so while the database is disconnected. | The user will be given an error message stating that the application could not access the database, and to try again later. |  |  |
| 19 | 3, 12, 23 | Close the application. | The application will disconnect with the Database and the GUI system will shut down. |  |  |