## Bug 1 Replication:

**Test Name:** Add service charge to room and then checkout and pay for service charges.

**Use Case Tested:** Add service charge and check out

**Test Description:** A guest checks out after having incurred some room service charges.

**Pre-Conditions:**

* Booking is CHECKED\_IN
* Room is OCCUPIED

**Post conditions:**

* Booking state updated to CHECK\_OUT
* Room state updated to READY

**Notes:**

**HotelHelperScenarioOne.class** is used to automate the creation of the hotel and rooms, to create a guest booking, check the guest in. This sets the program to the scenario that we wish to test.

A hotel is created and three rooms added:

* SINGLE room with id 101
* DOUBLE room with id 201
* TWIN\_SHARE room with id 301

A new guest is created:

* Name: Fred
* Address : Nurke
* Phone Num: 2

A new credit card is added for our guest:

* Card Type: Visa
* Card Number: 2
* CCV: 2

A booking is created with room 301 for Fred starting on 01-01-0001, for 1 night, with two occupants using his credit card.

This confirmation number is then checked into the hotel.

This sets up the scenario for easy testing of the add service charge functionality and then the checkout functionality.

Alternatively: To increase testing speed the **HotelHelperScenarioOne** class can also automatically add three charges for each of the room service types using the following code:

booking.addServiceCharge(ServiceType.BAR\_FRIDGE, 10.00);

booking.addServiceCharge(ServiceType.RESTAURANT, 20.00);

booking.addServiceCharge(ServiceType.ROOM\_SERVICE, 30.00);

This adds:

* $10.00 Charge for Bar Fridge
* $20.00 Charge for Restaurant
* $30.00 Charge for Room Service.

**Result:**

**BUG –** The room charges do not appear to be displaying correctly upon checkout.

|  | TEST STEP | EXPECTED TEST RESULTS | Actual Results | P |
| --- | --- | --- | --- | --- |
|  | Start Program and initialize HotelHelperScenarioOne | Room : 101, SINGLE  Room : 201, DOUBLE  Room : 301, TWIN\_SHARE  Hotel Management System  Please select:  B: Book a Room  C: Check In  R: Record Service  D: Check Out  Q: Quit  Selection : |  | P |
|  | Input “R” to Record service charge and press ENTER | Recording service  Enter Room Id: |  |  |
|  | Input “301” and press ENTER | Enter Room Id: 301  B: Bar Fridge  R: Restaurant  S:Room Service  Enter service type |  |  |
|  | Input “B” and press enter | Enter service typeB  Enter cost: |  |  |
|  | Input “10” and press enter | Enter cost: 10  Room 301 charged $10.00 for Bar Fridge  Hit <enter> to continue |  |  |
|  | Press Enter | Hotel Management System  Please select:  B: Book a Room  C: Check In  R: Record Service  D: Check Out  Q: Quit  Selection : |  |  |
|  | Input “R” to Record service charge and press ENTER | Recording service  Enter Room Id: |  |  |
|  | Input “301” and press ENTER | Enter Room Id: 301  B: Bar Fridge  R: Restaurant  S:Room Service  Enter service type |  | P |
|  | Input “R” and press enter | Enter service typeR  Enter cost: |  | P |
|  | Input “20” and press enter | Enter cost: 10  Room 301 charged $20.00 for Restaurant  Hit <enter> to continue |  | P |
|  | Press Enter | Hotel Management System  Please select:  B: Book a Room  C: Check In  R: Record Service  D: Check Out  Q: Quit  Selection : |  | P |
|  | Input “R” to Record service charge and press ENTER | Recording service  Enter Room Id: |  | P |
|  | Input “301” and press ENTER | Enter Room Id: 301  B: Bar Fridge  R: Restaurant  S:Room Service  Enter service type |  | P |
|  | Input “S” and press enter | Enter service typeS  Enter cost: |  | P |
|  | Input “30” and press enter | Enter cost: 10  Room 301 charged $30.00 for Room Service  Hit <enter> to continue |  | P |
|  | Press Enter | Hotel Management System  Please select:  B: Book a Room  C: Check In  R: Record Service  D: Check Out  Q: Quit  Selection : |  | P |
|  | Input “D” to check out – Press ENTER | Enter room number: 301  Charges for room: 301, booking: 101301  Arrival date: 01-01-0001, Staylength: 2  Guest: Fred, Address: Nurke, Phone: 2  Charges:  Bar Fridge : $10.00  Restaurant : $20.00  Room Service: $30.00  Total: $0.00  Accept charges(Y/N) : |  | F |
|  | Input “Y” to accept and pay for charges | Accept charges(Y/N) : y  Charges accepted  Enter credit card details  V: Visa  M: MasterCard  Enter credit card type selection: |  | P |
|  | Input “V” to pay via Visa card | Enter credit card type selection: v  Enter credit card number: |  | P |
|  | Input credit card number of “2” | Enter credit card number: 2  Enter CCV: |  | P |
|  | Input CCV number “2” | Visa credit card number 2 was debited $60.00  Hit <enter> to continue |  | F |
|  | Press ENTER to continue | Checking out completed  Hotel Management System  Please select:  B: Book a Room  C: Check In  R: Record Service  D: Check Out    Q: Quit    Selection : |  | P |