# Bug 2:

It is possible to charge a room for service after the guest has checkout out. After a guest has check out it is still possible to charge a service to their room.

## Bug 2 Replication:

**Test Name:** Guest checkout with post check-out service charges

**Use Case Tested:** Guest checks out and additional charges are added onto the room afterwards.

**Test Description:**

**Pre-Conditions:**

* Booking is CHECKED\_IN
* Room is OCCUPIED

**Post conditions:**

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

**Notes:**

**HotelHelper.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.

**Result:**

BUG: The program allows charges to be added onto a booking that has been checked out.

|  | TEST STEP | EXPECTED TEST RESULTS | Actual Results | P |
| --- | --- | --- | --- | --- |
|  | Start Program and initialize HotelHelper | 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 “D” to check out – Press ENTER | Enter room number: |  | P |
|  | Input “301” and 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:  Total: $0.00  Accept charges(Y/N) : |  | P |
|  | 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 $0.00  Hit <enter> to continue |  | P |
|  | 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 |
|  | Input “R” and press enter. | Selection : r  Recording service  Enter Room Id: |  | P |
|  | Input “301” and press enter. | No active booking for room id: 301 |  | F |