

1. The bug is traced out

```
136 public void checkIn() {
137     room.checkin();
138 }
139
140
141 public void addServiceCharge(ServiceType serviceType, double cost) {
142     System.out.println("5222" + cost);
143     charges.add(new ServiceCharge(serviceType, cost));
144     System.out.println("00000" + cost);
145 }
146
147
148 public void checkOut() {
149     room.checkout(this);
150 }
151
```

Problems Javadoc Declaration Console Coverage

Main (1) [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Oct 16, 2018, 10:00:27 AM)

Selection : r

Recording service

Enter Room Id: 201

B: Bar Fridge

R: Restaurant

S: Room Service

Enter service type b

Enter cost: 252

\$222252.0

000000

Room 201 changed \$252.00 for Bar Fridge

2. Bug 2 traced out

```
121
122 public void checkout(int roomId) {
123     Booking booking = activeBookingsByRoomId.get(roomId);
124     if (booking == null) {
125         String msg = String.format("Hotel: checkout: no booking present for room id : %d", roomId);
126         throw new RuntimeException(msg);
127     }
128     System.out.println("CHECK CHECK ID ID" + roomId);
129     booking.checkOut();

```

Problems Javadoc Declaration Console Coverage

Main (1) [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Oct 16, 2018, 10:11:56 AM)

Checking out

Enter room number: 101

Charges for room: 101, booking: 1112018101

Arrival date: 01-12-2018, Staylength: 1

Guest: Sobha, Address: 25 Studley, Phone: 450326562

Charges:

Bar Fridge : \$0.00

Total: \$0.00

Accept charges(Y/N) : y

Charges accepted

Enter credit card details

V: Visa

M: MasterCard

Enter credit card type selection: v

Enter credit card number: 1

Enter CCV: 1

CHECK CHECK ID ID101

Visa credit card number 1 was debited \$0.00

Hit <enter> to continue

```

122 public void checkout(int roomId) {
123     Booking booking = activeBookingsByRoomId.get(roomId);
124     if (booking == null) {
125         String msg = String.format("Hotel: checkout: no booking present for room id : %d", roomId);
126         throw new RuntimeException(msg);
127     }
128     System.out.println("CHECK CHECK ID ID" + roomId);
129     booking.checkOut();

```

Problems Javadoc Declaration Console Coverage

Main (1) [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Oct 16, 2018, 10:11:56 AM)

Hotel Management System

Please select:

B: Book a Room
 C: Check In
 R: Record Service
 D: Check Out

 Q: Quit

Selection : r

Recording service

Enter Room Id: 101

B: Bar Fridge
 R: Restaurant
 S: Room Service
 Enter service type