

- **Replication:**

This use case is created before fixing the bugs.

Test Name		Check Out Test		
Use case		Check Out		
Test Description		When customer goes for checkout, all the services are reported 0.00		
Pre- Condition		Main menu should be displayed Customer should have used Record Service		
Post- Condition		Service charge shouldn't be \$0.0		
Result		Fail		
	Test Step	Expected Result	P	F
1.	Prompt to enter room number	Message should be displayed in the screen	P	
2.	Enter room number	User should be able to enter room number	P	
3.	Display final invoice	Final invoice should be seen on the screen		F
4.	Prompt to accept charges	Message should be shown on the screen	P	
5.	Accept charges	Program should be able to accept charges	P	
6.	Prompt to enter credit card type	Message should be displayed to enter credit card type	P	
7.	Enter credit card type	User should be able to enter credit card	P	
8.	Prompt for credit card number	Message should be displayed to enter credit card number	P	
9.	Enter service type	User should be able to enter service type	P	
10.	Prompt for ccv	Message should be displayed for ccv	P	
11.	Enter ccv	User should be able to enter ccv	P	
12.	Display checkout debit message	Message should be displayed with the checkout debit balance	P	

## Booking:

```
eclipse-workspace - a4/src/hotel/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Main.java Hotel.java Booking.java BookingCTL... CheckoutCTL... CheckoutCTL... TestRecords...
1
Please select:
B: Book a Room
C: Check In
R: Record Service
D: Check Out
Q: Quit

Selection : B

Booking Room

Enter phone number: 0415478951
Enter guest name: Ashmit Sthapit
Enter guest address: 40 Graham Place

Name: Ashmit Sthapit, Address: 40 Graham Place, Phone: 415478951

S: Single room, 1
D: Double room, 2
T: Twin share, 3
Enter room type selection: S
Enter number of occupants: 1
Enter arrival date
Enter day (dd): 02
Enter month (mm): 02
Enter year (y): 2019
Arrival Date: 02-02-2019
Enter length of stay: 4

The cost of booking a Single room from 02-02-2019 for 4 nights is $400.00
```

```
eclipse-workspace - a4/src/hotel/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Main.java Hotel.java Booking.java BookingCTL... CheckoutCTL... CheckoutCTL... TestRecords...
1
Enter credit card details
V: Visa
M: MasterCard
Enter credit card type selection: V
Enter credit card number: 1
Enter CCV: 12

Single room 101 is booked from 02-02-2019 for 4 nights by Ashmit Sthapit.
Visa Credit card number 1 has been debited $400.00
Confirmation Number : 212019101
Hit <enter> to continue
Booking completed
```

## Check In:

eclipse-workspace - a4/src/hotel/Main.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package ... JUnit Main.java Hotel.java Booking.java BookingCtl... CheckoutCTL... CheckoutC

Runs: 0/0 Errors: 0 Failures: 0

```
1
2 package hotel;
3
4 import hotel.booking.BookingCTL;
10
11 public class Main {
12
```

Problems Javadoc Declaration Search Console

Main (2) [Java Application] C:\Program Files\Java\jre-10.0.2\bin\javaw.exe (14 Oct. 2018, 7:21:56 pm)

Hotel Management System

Please select:

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

Q: Quit

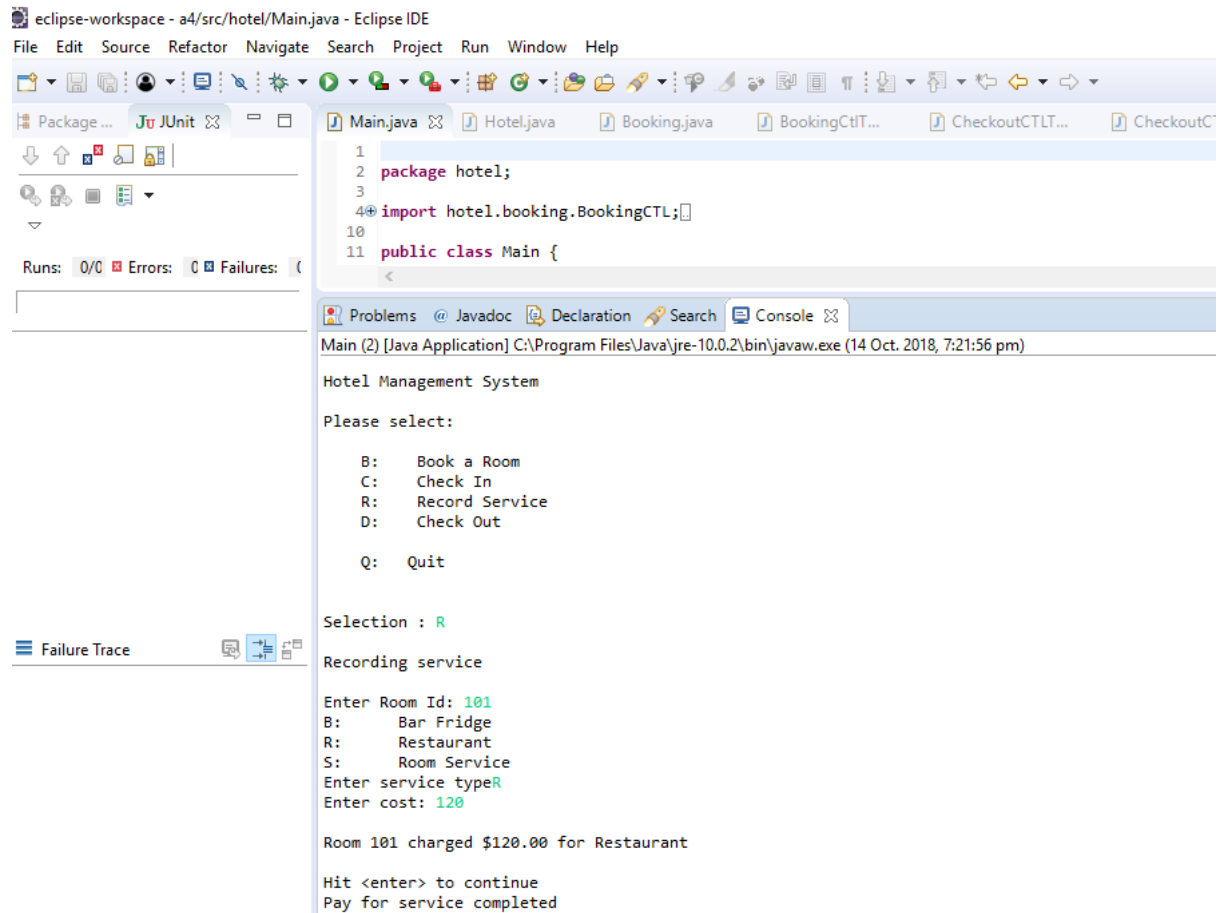
Selection : C

Checking in

Enter confirmation number: 212019101

Single room 101 is booked from 02-02-2019 for 1 nights by Ashmit Sthapit.  
Visa Credit card number: 1  
Confirmation Number : 212019101  
Confirm checkin? (Y/N) : Y  
Check in confirmed  
Hit <enter> to continue  
Checking in completed

## Record Service:



The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations, running, and debugging. The left sidebar shows the Package Explorer with a project named 'eclipse-workspace' and a package named 'hotel'. The main editor displays the 'Main.java' file with the following code:

```
1 package hotel;
2
3
4 import hotel.booking.BookingCTL;
10
11 public class Main {
```

The bottom of the IDE shows the Console view with the following output:

```
Main (2) [Java Application] C:\Program Files\Java\jre-10.0.2\bin\javaw.exe (14 Oct. 2018, 7:21:56 pm)

Hotel Management System

Please select:

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

    Q:    Quit

Selection : R

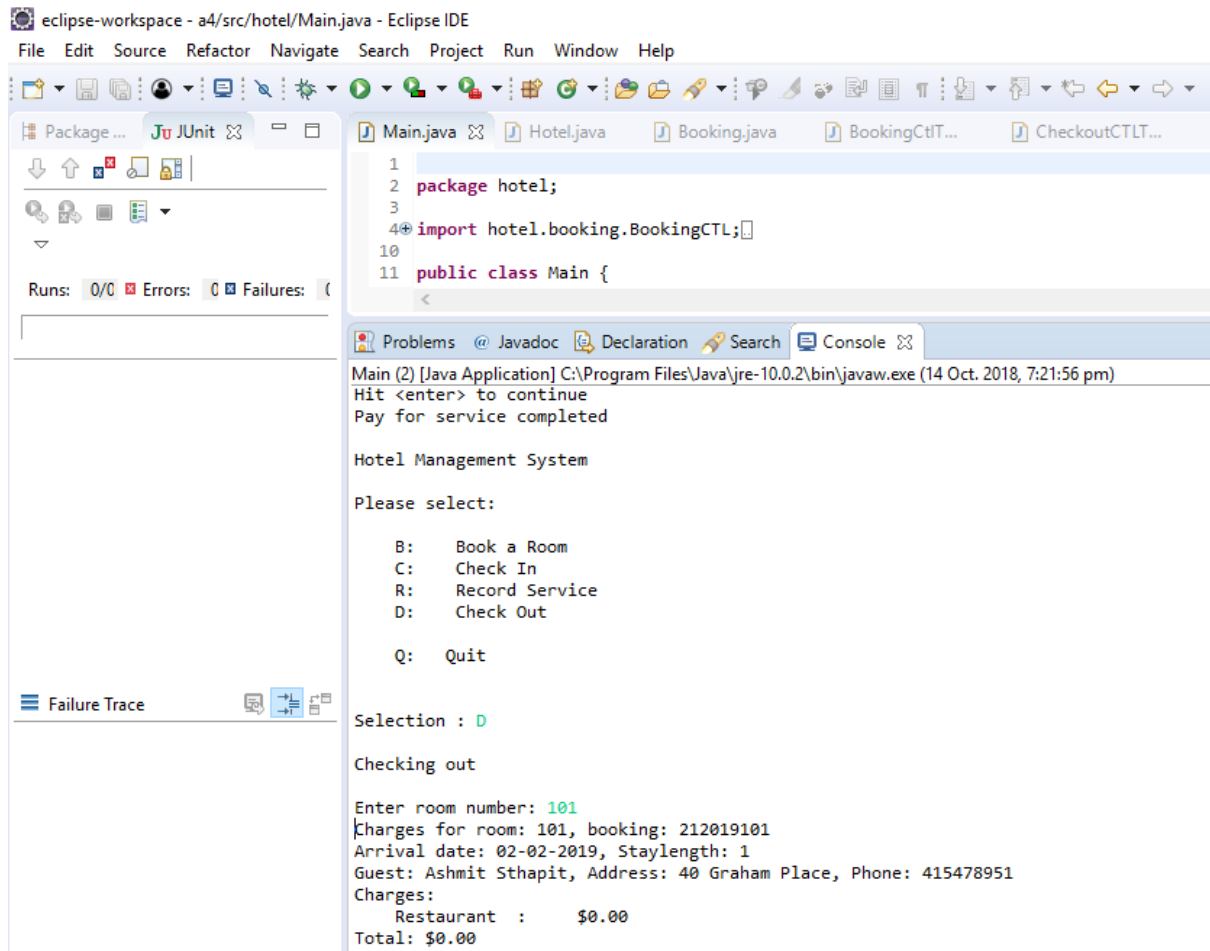
Recording service

Enter Room Id: 101
B:    Bar Fridge
R:    Restaurant
S:    Room Service
Enter service typeR
Enter cost: 120

Room 101 charged $120.00 for Restaurant

Hit <enter> to continue
Pay for service completed
```

Check Out:



The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations, running, and debugging. The left sidebar shows the Package Explorer with a project named 'hotel' containing packages 'hotel' and 'hotel.booking'. The bottom-left pane shows the 'Failure Trace' tab. The main editor displays the 'Main.java' file with the following code:

```
1 package hotel;
2
3
4 import hotel.booking.BookingCTL;
5
6
7
8
9
10
11 public class Main {
```

The bottom-right pane shows the 'Console' tab with the following output:

```
Main (2) [Java Application] C:\Program Files\Java\jre-10.0.2\bin\javaw.exe (14 Oct. 2018, 7:21:56 pm)
Hit <enter> to continue
Pay for service completed

Hotel Management System

Please select:

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

Q: Quit

Selection : D

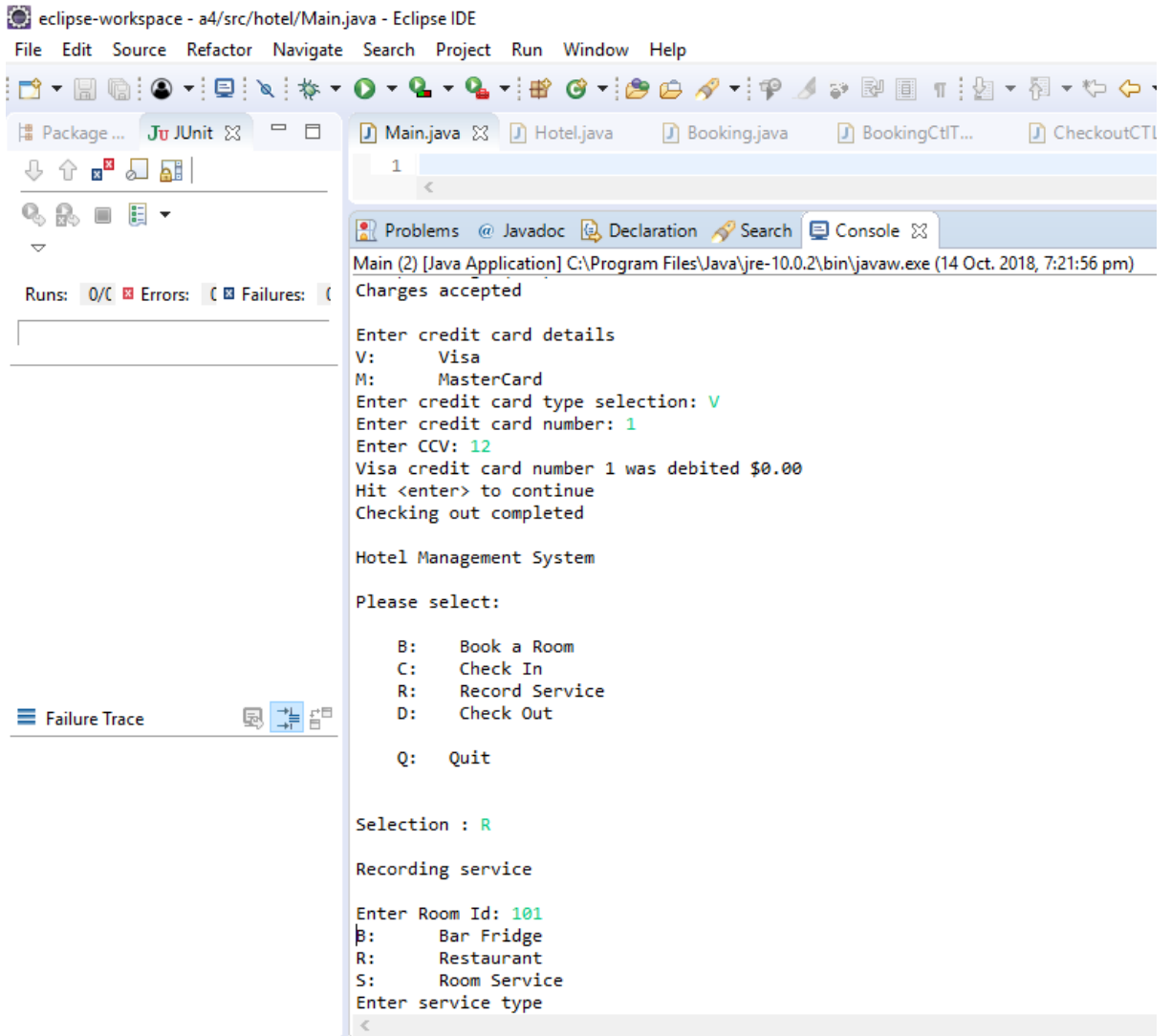
Checking out

Enter room number: 101
Charges for room: 101, booking: 212019101
Arrival date: 02-02-2019, Staylength: 1
Guest: Ashmit Sthapit, Address: 40 Graham Place, Phone: 415478951
Charges:
    Restaurant :    $0.00
Total: $0.00
```

This use case is before fixing the second bug (it is possible to charge a room even after guest has checkout)

Test Name		Check Out Test		
Use case		Check Out		
Test Description		Even after the customer has checked out, system allows user to charge a room		
Pre- Condition		Main menu should be displayed Customer should have already been checked out once.		
Post- Condition		No charge should be taken after guest has checked out.		
Result		Fail		
	Test Step	Expected Result	P	F
1.	Prompt to enter room number	Message should be displayed in the screen	P	
2.	Enter room number	User should be able to enter room number	P	
3.	Display final invoice	Final invoice should be seen on the screen		F
4.	Prompt to accept charges	Message should be shown on the screen	P	
5.	Accept charges	Program should be able to accept charges	P	
6.	Prompt to enter credit card type	Message should be displayed to enter credit card type	P	
7.	Enter credit card type	User should be able to enter credit card	P	
8.	Prompt for credit card number	Message should be displayed to enter credit card number	P	
9.	Enter service type	User should be able to enter service type	P	
10.	Prompt for ccv	Message should be displayed for ccv	P	
11.	Enter ccv	User should be able to enter ccv	P	
12.	Display checkout debit message	Message should be displayed with the checkout debit balance	P	
13.	Prompt for room ID	Message should be displayed for room ID	P	
14.	Enter Room ID	User should not be able to enter Room ID		F
15.	Prompt for cost	Message should be displayed for cost	P	

## Record Service (after guest has check out)



```
eclipse-workspace - a4/src/hotel/Main.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Package... JUnit
Main.java Hotel.java Booking.java BookingCtl... CheckoutCTI...

1

Problems @ Javadoc Declaration Search Console
Main (2) [Java Application] C:\Program Files\Java\jre-10.0.2\bin\javaw.exe (14 Oct. 2018, 7:21:56 pm)
Charges accepted

Enter credit card details
V: Visa
M: MasterCard
Enter credit card type selection: V
Enter credit card number: 1
Enter CCV: 12
Visa credit card number 1 was debited $0.00
Hit <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 : R

Recording service

Enter Room Id: 101
B: Bar Fridge
R: Restaurant
S: Room Service
Enter service type
```





