# Bug 1

## All service charges are reported as $0.00 when checking out

### Hypothesis 1

***Test***: service charge is not being converted correctly to a string

***Prediction***: variable ‘total’ is correct value but Double to string conversion for chargeStr doesn’t work

***Result***: Debug break on line 69 of CheckOutCTL.java shows that variable ‘total’ is set as ‘0.00’

### Hypothesis 2

***Test***: ServiceCharge method getCost() is returning zero a value

***Prediction***: De-concatenated code on line 69 so that ServiceCharge.getCost() returns to a dedicated variable for checking value.

***Result***: Debug break on line 70 of CheckOutCTL.java shows that variable ‘charge’ is set as ‘0.00’ as a result of ServiceCharge.getCost()

### Hypothesis 3

***Test***:

***Prediction***:

***Result***:

### Hypothesis 4

***Test***:

***Prediction***:

***Result***:

## Bug 2: It is possible to charge a room for service after the guest has checked out

### Hypothesis 1

***Test***:

***Prediction***:

***Result***:

### Hypothesis 2

***Test***:

***Prediction***:

***Result***:

### Hypothesis 3

***Test***:

***Prediction***:

***Result***:

### Hypothesis 4

***Test***:

***Prediction***:

***Result***: