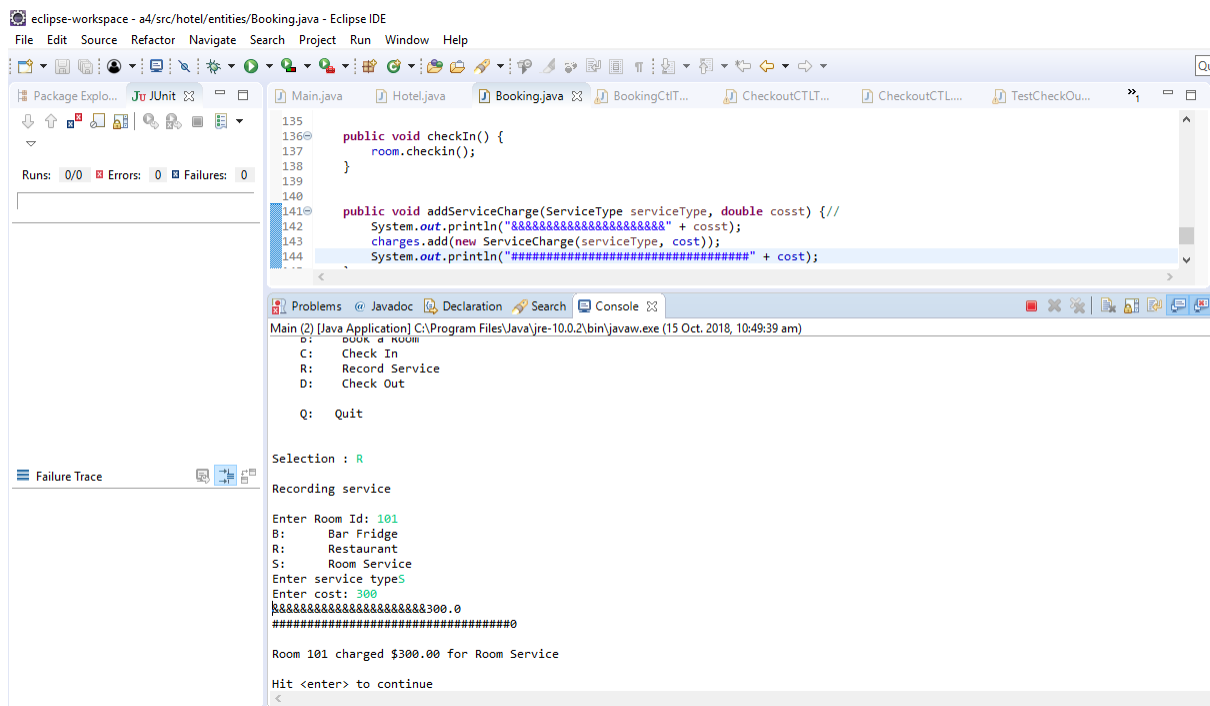Tracing:

The origin of bugs is being traced for BUG 1 (All Service charges are reported as 0.00 when checking out)

As we can see that, there is a human error. In line number 142 the second parameter is mistakenly written **double cosst**, whereas it should be **double cost.** This is the reason for charging services as 0.00 when checking out.

The origin of the bug is being traced for BUG 2 (It is possible to charge a room for service after the guest has checked out)

As we can see that the origin of the bug is in method name <u>public void checkout(int roomId)</u> of Hotel class. The active booking list was not removed after check out.