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| System Operations: |
| makeRoomReservation(studentID, roomNumber, timeSlot) |

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| Contract | makeRoomReservation |
| Operation | makeRoomReservation(studentID,roomNumber, timeslot) |
| Cross References | UC1: Make Reservation |
| Preconditions | - Student has been authenticated  - Room is available at given time slot.  - Room’s WRITE status is false(not being accessed by other users) |
| Postconditions | - Room availability was changed. (attribute modification)  - Room’s WRITE status was updated to false. (attribute modification)  - A Reservation instance r was created. (instance creation)  - r was added to ReservationsCatalog. |