Contract CO1: login

Operation: login(email, password)

Cross References: Use Case: Process Offerings, Process Bookings

Preconditions: User already has an account.

Postconditions:

- A User instance is created, representing the Actor that is logged in (instance creation)

- A User instance is associated with the Console instance (association formed)

Contract CO2: createOffering

Operation: createOffering(lesson, capacity, space, timeslot)

Cross References: Use Case: Process Offerings

Preconditions: User is logged in as the Admin.

Postconditions:

- A new offering instance is created with the specified lesson, capacity, space and timeslot (instance creation)

- A timeslot instance is created (instance creation)

- The timeslot instance is associated to the space instance's schedule (association formed)

- The offering is associated with the specified lesson (association formed)

- The offering is associated with the specified space (association formed)

- The offering is associated with the specified timeslot (association formed)

- The offering is marked as 'available' for instructors to view and select (attribute modification)