SOEN 342 Operation Contracts
Use Case 1: Processing Annotations

Contract: createSchedule

Operation: startCreateSchedule(days: Set<Days>, startDate: LocalDate, endDate LocalDate, startTime: LocalTime, endTime: LocalTime)

Cross reference(s): Use Case Processing Offerings

Preconditions: [Obligations of the client]

    1. The Actor has already been authenticated by the system.

    2. The Information entered is valid.

Postconditions: [Obligations of the supplier]

    1. An instance of Schedule, schedule, has been created. [instance creation]

    2. Variable id is initialized in schedule. [modification of variable]

Contract: createLocation

Operation: createLocation(name: String, street: String, city: String, province: String, postalCode: String, schedule: Schedule)

Cross reference(s): Use Case Processing Offerings

Preconditions: [Obligations of the client]

    1. The Actor has already been authenticated by the system.

    2. The Schedule object exists.

    3. The information entered is valid.

Postconditions: [Obligations of the supplier]

    1. An instance of Location, location, has been created. [instance creation]

    2. Variable id is initialized in location. [modification of variable]

    3. Instance location was associated with Schedule. [association formation]

    4. Instance schedule was associated with Location. [association formation]

    5. Instance location was associated with Locations. [association formation]

    6. Instance schedule was associated with Schedules. [association formation]

Contract: createOffering

Operation: createOffering(activityType: ActivityType, lessonType: LessonType, startTime: LocalTime, endTime: LocalTime, location: Location)

Cross reference(s): Use Case Processing Offerings

Preconditions: [Obligations of the client]

      1. The Actor has already been authenticated by the system.

      2. The Location object exists.

      3. The information entered is valid.

Postconditions: [Obligations of the supplier]

      1. An instance of Offering, offering, has been created. [instance creation]

      2. Variable id is initialized in offering. [modification of variable]

      3. Instance offering was associated with Location. [association formation]

      4. Instance offering was associated with Instructor. [association formation]

      5. Instance offering was associated with Offerings. [association formation]