1. Operation Contracts

1.1.1 createLocation

Full Contract ID:	CO-01.1
Operation:	createLocation(address: String, type: String, org: String, days: Days[], startDate: Date, endDate: Date, startTime: String, endTime: String)
Cross References:	UC-01.1
Preconditions:	Admin is logged in Location given has a unique name
Postconditions:	1. Create a Location (instance creation) 2. Create a Schedule (instance creation) 3. Associates Location with Schedule (association formed)

1.1 createOffer

Full Contract ID:	CO-01
Operation:	creatOffer(mode: Mode, activity: String, start: String, end: String, day: Days, loc: Location)
Cross References:	UC-01
Preconditions:	Admin is logged in Location given exists
Postconditions:	4. Create an Offer (instance creation) 5. Associates Offer with Location (association formed)

1.2 acceptOffer

Full Contract ID:	CO-02
Operation:	acceptOffer(offer: Offer)

Cross References:	UC-02
Preconditions:	User is signed in as an instructor. Offer exists.
Postconditions:	1. offer was associated with Instructor (association formed) 2. offer's availability attribute was modified (modification of attribute)

1.3 rejectOffer

Full Contract ID:	CO-03
Operation:	rejectOffer(offer: Offer)
Cross References:	UC-02
Preconditions:	User is signed in as an instructor. Offer exists.
Postconditions:	1. offer was associated with Instructor (association formed) 2. offer's availability attribute was modified (modification of attribute)

1.4 requestOffers

Full Contract ID:	CO-04
Operation:	requestOffers(role)
Cross References:	UC-01, UC-02, UC-03
Preconditions:	User is signed in as an admin The software system is running and available
Postconditions:	1. the system created a corresponding request in the database 2. the system returned a collection of Offer objects

1.5 getOffer

Full Contract ID:	CO-05
Operation:	getOffer(offerId: id)
Cross References:	UC-01, UC-02, UC-03

Preconditions:	User is signed in as an admin offer id is valid
Postconditions:	1. an Offer object is returned with an ID attribute value corresponding to the same id passed to the operation (instance creation)