

# 1. Operation Contracts

## 1.1 makeOfferAvailable

Full Contract ID:	CO-01
Operation:	makerOfferAvailable(offer: Offer)
Cross References:	UC-01
Preconditions:	offer exists.
Postconditions:	1. offer's availability attribute was modified (modification of attribute)

## 1.2 acceptOffer

Full Contract ID:	CO-02
Operation:	acceptOffer(offer: Offer)
Cross References:	UC-02
Preconditions:	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:	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:	The software system is running and available.
Postconditions:	<div>1. the system created a corresponding request in the database</div> <div>2. the system returned a collection of Offer objects</div>

1.5 getOffer

Full Contract ID:	CO-05
Operation:	getOffer(id: id)
Cross References:	UC-01, UC-02, UC-03
Preconditions:	offer id is valid.
Postconditions:	<div>1. an Offer object is returned with an ID attribute value corresponding to the same id passed to the operation (instance creation)</div>