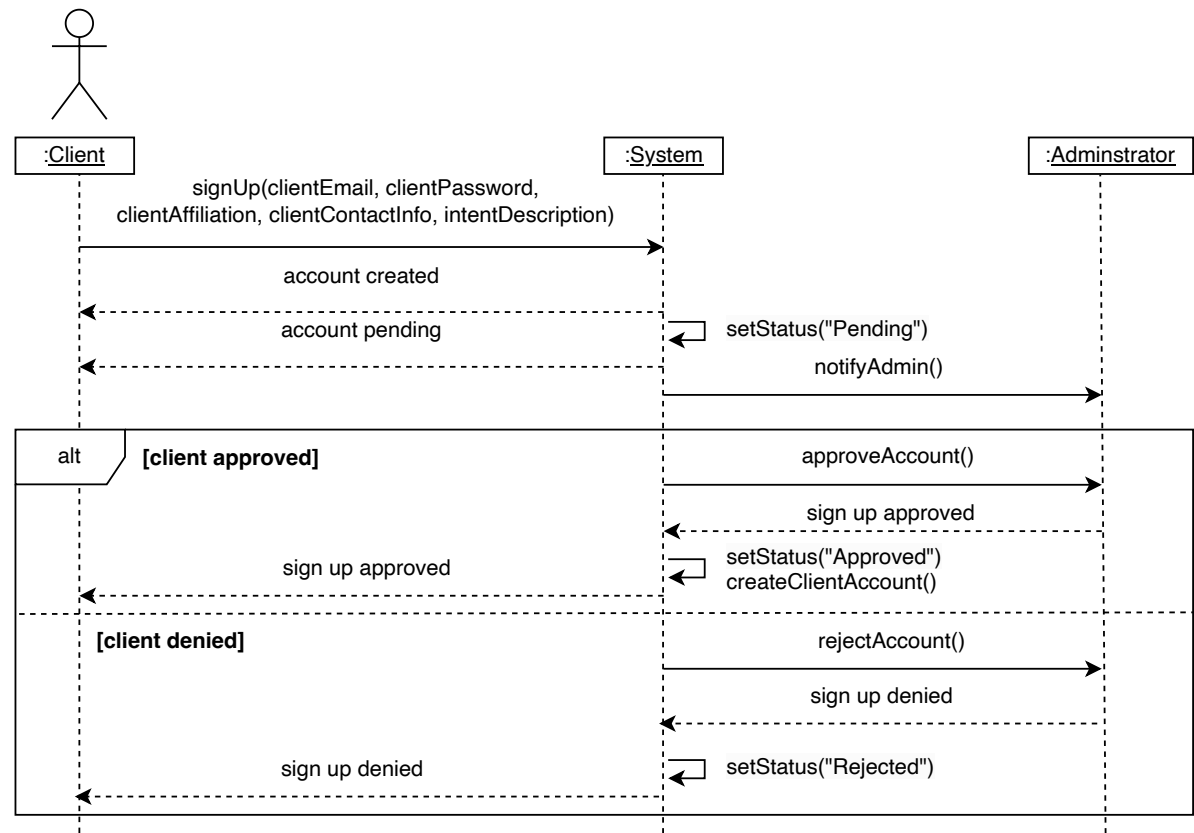
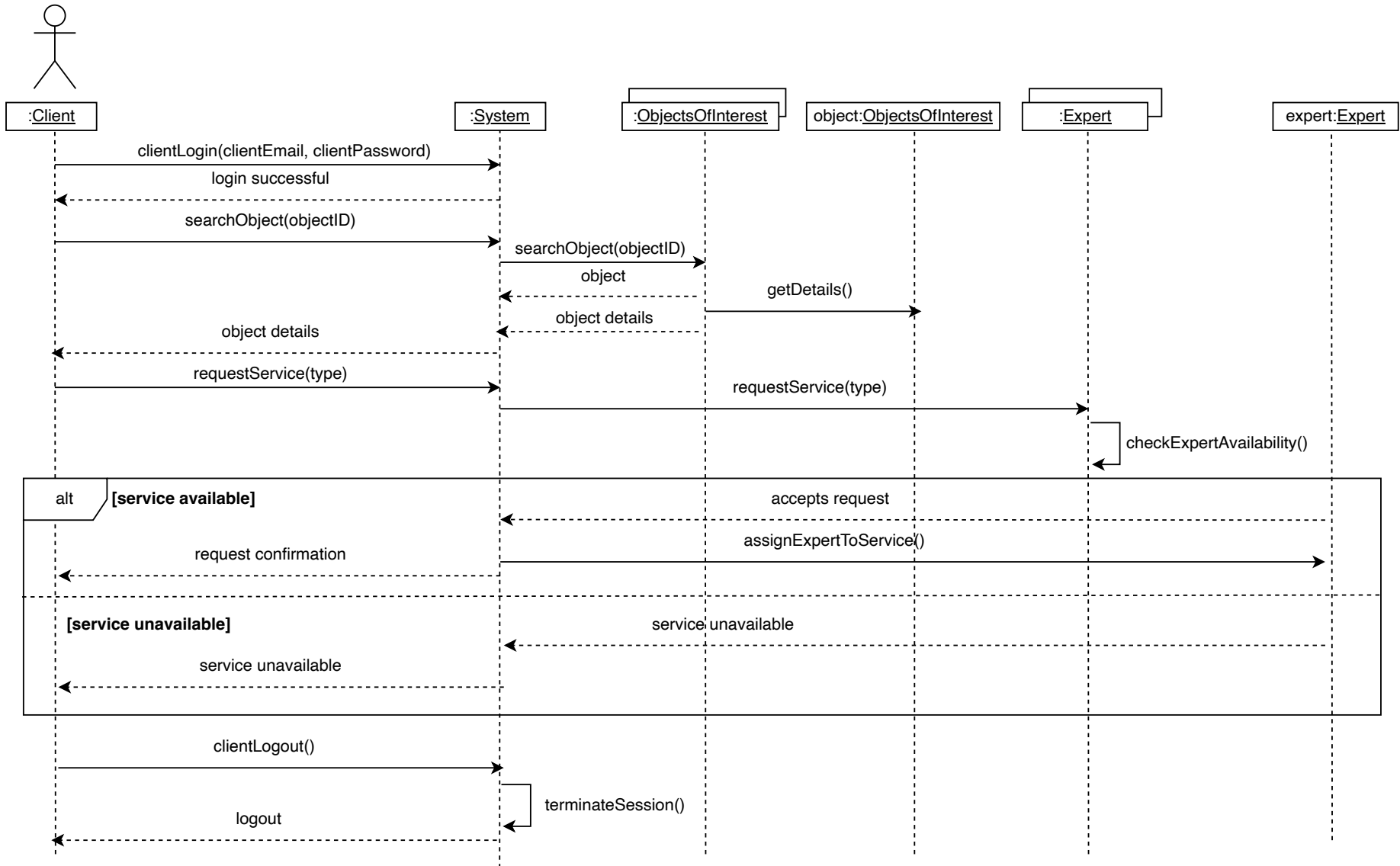


System sequence diagrams

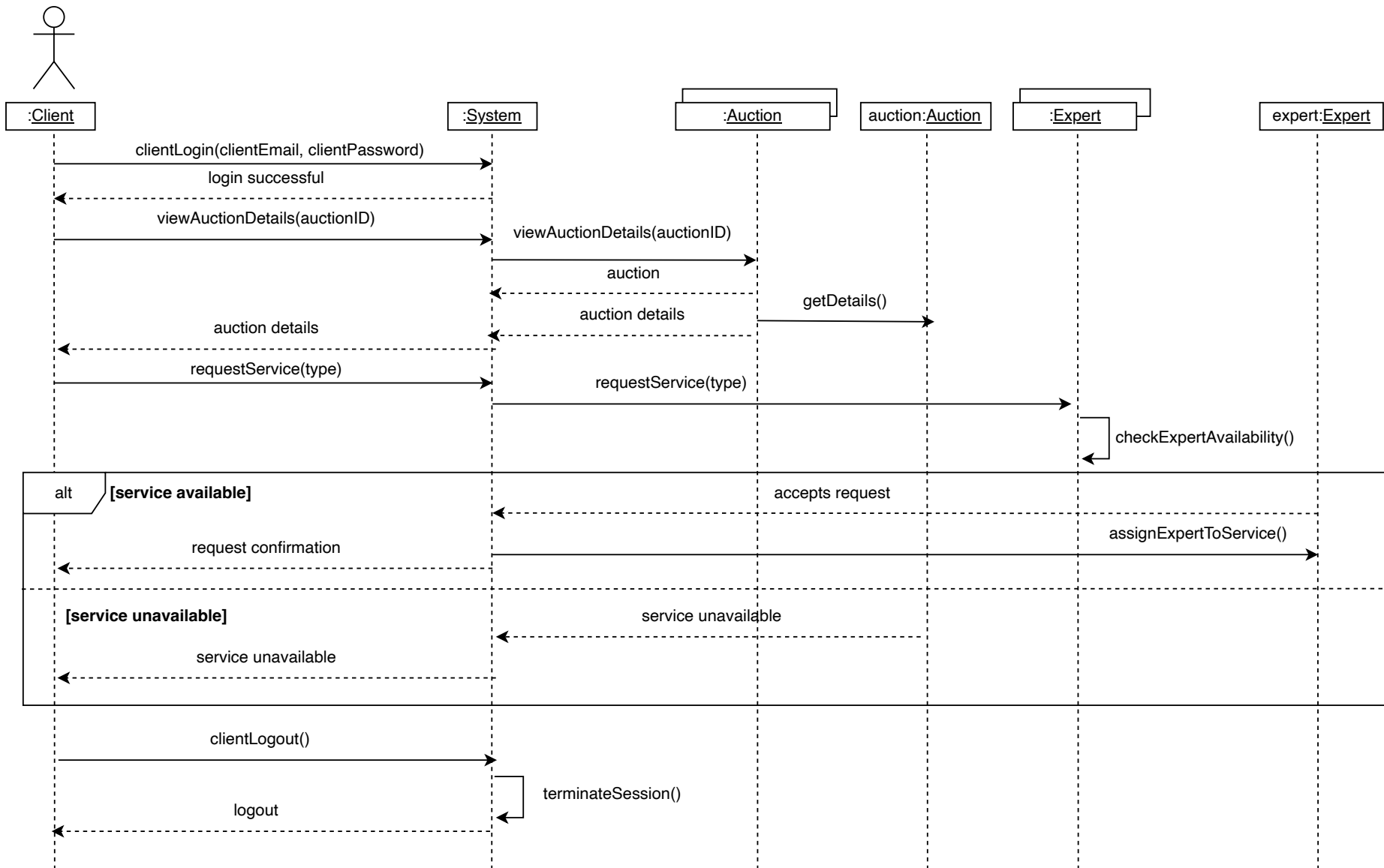
Client Sign Up



# Client Request Service: Consultation for an Objects of Interest



## Client Request Service: Consultation for an Auction



## Identification of system operations and operation contracts

### Operation Contract for SignUp()

**Contract:** SignUp()

**Operation:** signUp(clientEmail : String, clientPassword : String, clientAffiliation : String, clientContactInfo : String, intentDescription : String)

**Cross reference(s):** Use Case "Client Sign Up"

**Preconditions:**

- Client is not already registered into system

**Postconditions:**

- An instance of Client *client* has been created [instance creation]
- Variables email, password, affiliation, contactInfo, and intentDescription are initialized in *client* [modification of variable]
- Instance *client* was associated to the list of pending clients [association formed]

### Operation Contract for requestService()

**Contract:** requestService()

**Operation:** requestService(type : String)

**Cross reference(s):** Use Case "Client Request Service"

**Preconditions:**

- Client is logged into system
- Requested service type is valid

**Postconditions:**

- Instance ServiceRequest, *requestService*, has been created [instance creation]
- Instance *requestService* was associated with Client [association formed]
- Instance *requestService* was associated with Expert [association formed]
- Instance *requestService* was associated with list of service requests [association formed]

### Operation Contract for viewAuctionDetails()

**Contract:** viewAuctionDetails()

**Operation:** viewAuctionDetails()

**Cross reference(s):** Use Case "Consultation for an Auction"

**Preconditions:**

- Client is logged into the system

**Postconditions:**

- Instance Auction, *auction*, has been created [instance creation]
- Instance *auction* was associated with Client for viewing [association formed]
- Instance *auction* was associated with Auction for auction details [association formed]

### Operation Contract for searchObjects()

**Contract:** searchObjects()

**Operation:** searchObjects()

**Cross reference(s):** Use Case "Consultation for an Objects of Interest"

**Preconditions:**

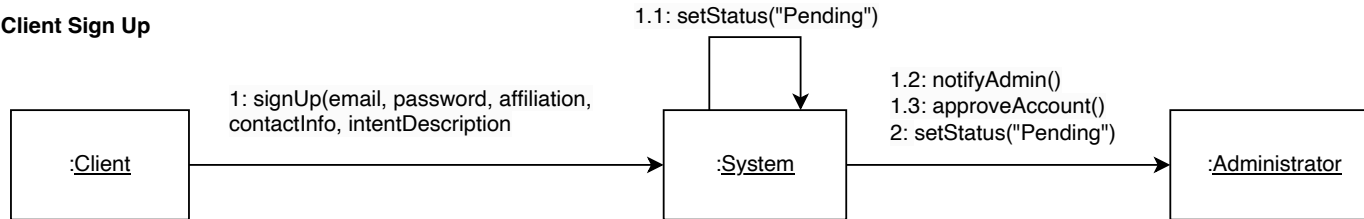
- Client is logged into the system
- Object with objectID exists in system

**Postconditions:**

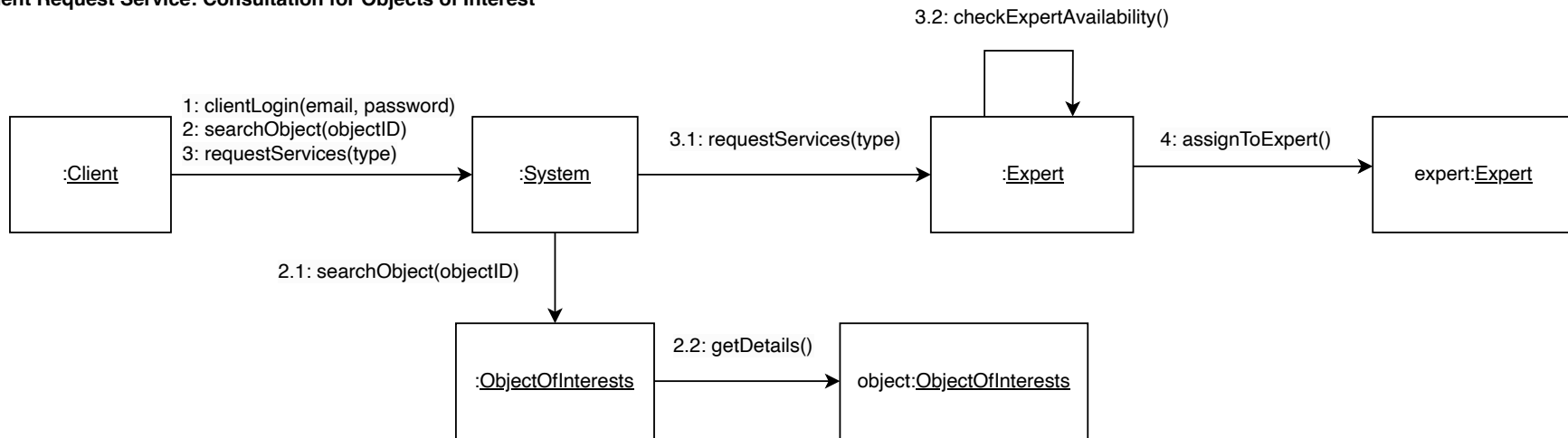
- Instance ObjectsOfInterests, *object*, has been created [instance creation]
- Instance *object* was associated with Client for viewing [association formed]
- Instance *object* was associated with ObjectsOfInterests for object details [association formed]

## Interaction Diagrams - Communication Diagrams

### Client Sign Up



### Client Request Service: Consultation for Objects of Interest



### Client Request Service: Consultation for Auction

