**UC1: Sign Up - Operation Contract**

* **Contract:** signUp
* **Operation:** signUp(email: String, password: String, name: String, phone: String, affiliation: String, intent: String)
* **Cross reference(s):** Use Case Sign Up
* **Preconditions:**
  + The client is not already registered.
* **Success Guarantee (Postconditions):**
  + The client’s information is stored in the system with status **“Pending”**.
  + Admin can see the signup request.

**UC2: Log In - Operation Contract**

**Contract:** logIn

**Operation:** logIn(email: String, password: String)

**Cross reference(s):** Use Case Log In

**Preconditions:**

* + The client account is approved by an admin.

**Success Guarantee (Postconditions):**

* + The client is successfully logged into the system.
  + The system grants access and loads the client’s dashboard.

**UC3: Search Auctions - Operation Contract**

**Contract:** searchAuctions

**Operation:** searchAuctions(specialty: String)

**Cross reference(s):** Use Case Search Auctions

**Preconditions:**

* + The client is logged in.
  + The client knows the auction specialty they want to search for.

**Success Guarantee (Postconditions):**

* + A list of auctions matching the specialty is displayed to the client.

**UC4: Search Objects of Interest - Operation Contract**

**Contract:** searchObjectsOfInterest

**Operation:** searchObjectsOfInterest(objectType: String)

**Cross reference(s):** Use Case Search Objects of Interest

**Preconditions:**

* + The client is logged in.

**Success Guarantee (Postconditions):**

* + Object details matching the requested object type are displayed clearly.

**UC5: Request Service - Operation Contract**

**Contract:** requestService

**Operation:** requestService(objectName: String, desiredTime: Time, serviceType: String)

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

**Preconditions:**

* + The client is logged in.

**Success Guarantee (Postconditions):**

* + A service request is created and stored in the **pool of requests for experts**.

**UC6: Buy Object of Interest - Operation Contract**

**Contract:** buyObjectOfInterest

**Operation:** buyObjectOfInterest(objectID: String)

**Cross reference(s):** Use Case Buy Object of Interest

**Preconditions:**

* + The client is logged in.
  + The object of interest is marked as available for purchase.

**Success Guarantee (Postconditions):**

* + The object’s status is removed from the database.
  + The client receives a **purchase confirmation** and summary.