**Operation: submitSignupRequest**

**Responsibility:**  
Handles a new client's signup request. The system collects the client's registration information and creates a pending signup request.

**Preconditions:**

* The client is not already registered in the system.
* Required registration details (e.g., username, password, contact info) are provided and valid.

**Postconditions:**

* A signup request is created and recorded in the system for review.
* The client's registration status remains pending until further action.

**Operation: approveRequest**

**Responsibility:**  
Reviews and approves a client's signup request. Once approved, the client's account is created and activated.

**Preconditions:**

* A signup request exists and has been reviewed by the administrator.
* The signup request meets all required criteria.

**Postconditions:**

* A new client account is established in the system.
* The signup request is marked as approved, and the client can now access the system’s features.

**Operation: requestService**

**Responsibility:**  
Processes a service request initiated by a registered client. This operation gathers the necessary details (such as the desired auction and timeslot) to start the consulting service process.

**Preconditions:**

* The client is registered and authenticated.
* All required parameters for the service request (e.g., selected auction, chosen timeslot) are provided.

**Postconditions:**

* A service request is created in the system, typically in a pending state until verified by an expert’s availability.

**Operation: checkAvailability**

**Responsibility:**  
Evaluates whether an expert is available to handle the requested consulting service.

**Preconditions:**

* At least one expert exists in the system with defined availability.
* The service request specifies a required timeslot or scheduling parameter

**Postconditions:**

* The system either confirms an expert's availability or returns a response indicating no availability (or a potential double booking conflict).

**Operation: confirmAvailability**

**Responsibility:**  
Finalizes the service request by assigning an available expert, thus confirming the client's service request.

**Preconditions:**

* An expert has been confirmed as available for the requested timeslot.
* The service request is in the pending state.

**Postconditions:**

* The service request status is updated to “confirmed,” and the identified expert is assigned to the service request.
* The client is notified of the successful assignment.

**Operation: declineService**

**Responsibility:**  
Handles cases where a service request cannot be fulfilled due to unavailable experts or scheduling conflicts.

**Preconditions:**

* A check on expert availability fails (i.e., no expert is available or a double booking is detected).
* The service request remains pending without confirmation.

**Postconditions:**

* The service request is marked as “declined” in the system.
* The client receives an error message indicating the unavailability of the service.