read/write

**AuctionHouse**

-name: String
-city: String
-auctions: ArrayList<Auction>

+addAuction(...)

**ServiceRequest**

-serviceId: long
-name: String
-expertise: String
-type: String
-claimed: Boolean
-date: Date

+assignExpert(email: String)

assigns

*                                                    *

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**Admin**

-adminID: Long

+createExpert(...): Expert
+updateExpert(...)
+deleteExpert(email: String)
+fetchExperts(): ArrayList<Expert>
+createClient(...)
+updateClient(...)
+deleteClient(email: String)
+fetchClients(): ArrayList<Client>
+approveClient(email: String)
+createObjectOfInterest(...): ObjectOfInterest
+updateObjectOfInterest(...)
+deleteObjectOfInterest(objectID: long)
+createAuctionHouse(...): AuctionHouse
+updateAuctionHouse(...)
+deleteAuctionHouse(name: String)
+fetchAuctionHouses(): ArrayList<AuctionHouse>
+findAuctionHouse(name: String)
+createAuction(...): Auction
+updateAuction(...)
+deleteAuction(auctionId: long)
+findService(expertise: String)
+updateService(...)
+assignService()
+deleteService(auctionId: long)

claims

creates

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**ObjectOfInterest**

-description: String
-ownedByInstitution: Boolean
-auctionned: Boolean

+addToAuction()

**Auction**

-date: Date
-type: String
-objectsAuctionned: ArrayList<ObjectOfInterest>
-serviceRequests: ArrayList<ServiceRequest>

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**Expert**

-expertID: Long
-areasOfExpertise: String[]
-license: String
-serviceRequests: ArrayList<ServiceRequest>

+addAvailabilities(...)
+claimService(serviceId: long)
+fetchClients(): ArrayList<Client>
+fetchServiceRequestsBasedOnAvailabilities():
ArrayList<ServiceRequests>

**Client**

-clientID: Long
-affiliation: String
-accountApproved: Boolean
-intent: String
-serviceRequests:
ArrayList<ServiceRequest>

+requestService(...)
+signUpClient()

**Viewing**

-date: Date
-serviceRequests:
ArrayList<ServiceRequest>

**User**

-email: String
-password: String
-firstName: String
-lastName: String

+login()
+logout()
+viewObjectsOfInterest(): List<Objects>
+searchObject(ObjectId: Long): Object
+fetchAuction(): ArrayList<Auction>
+findAuction(auctionId: long)