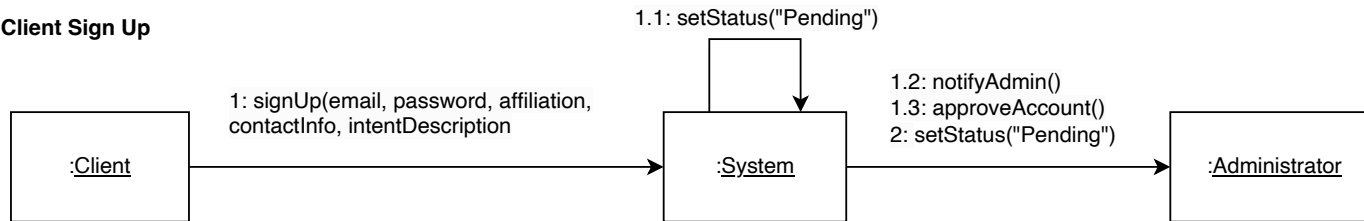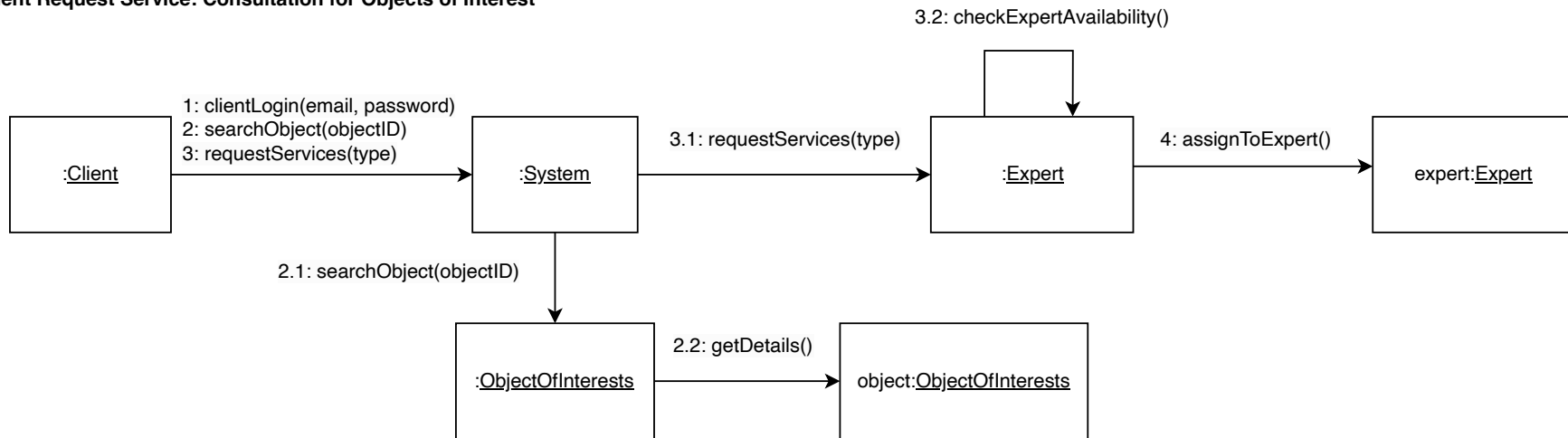**Interaction Diagrams - Communication Diagrams**
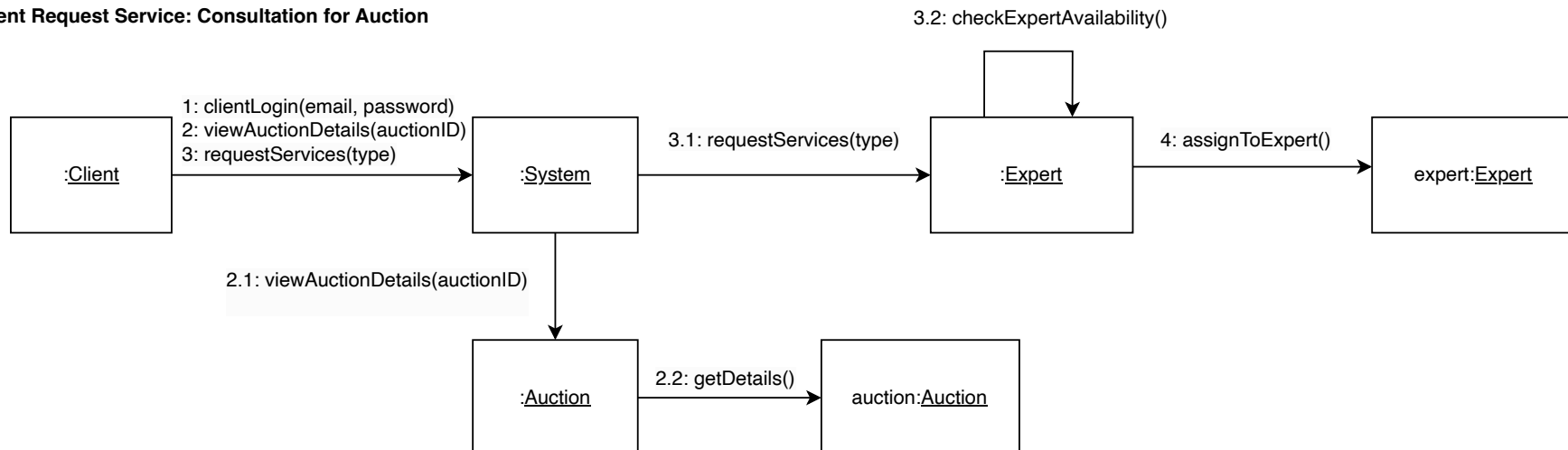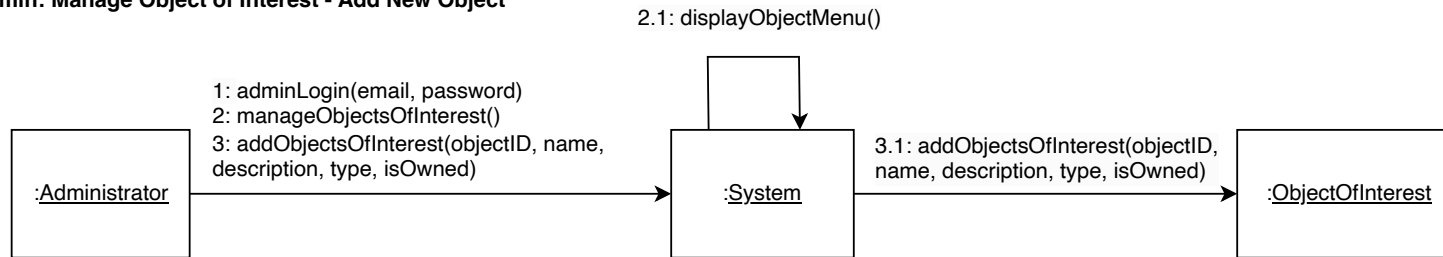
Client Sign Up

Client Request Service: Consultation for Objects of Interest

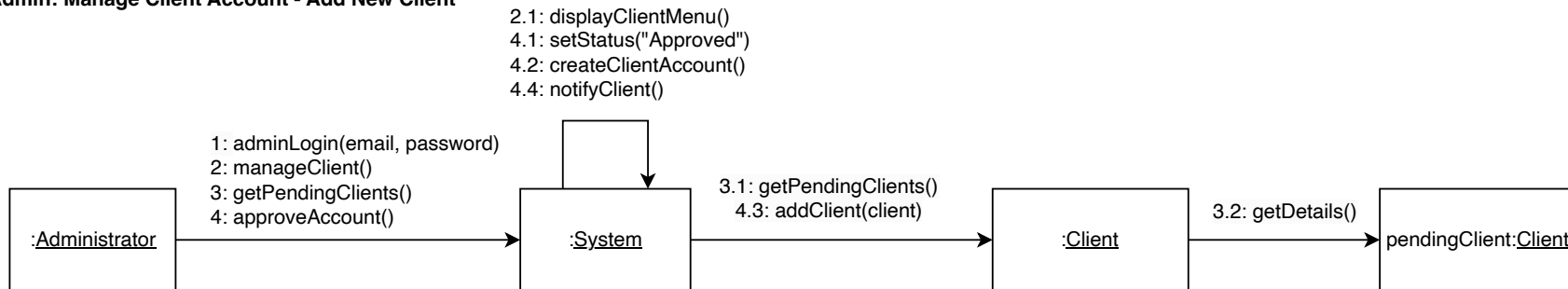**Client Request Service: Consultation for Auction**

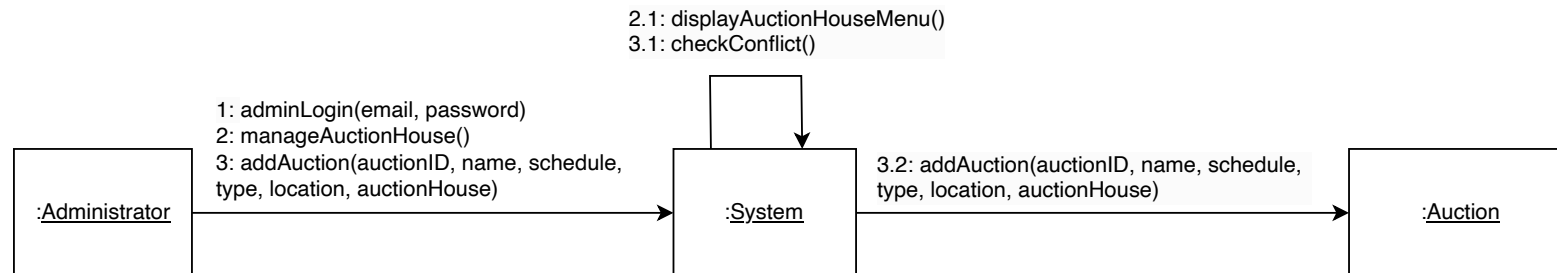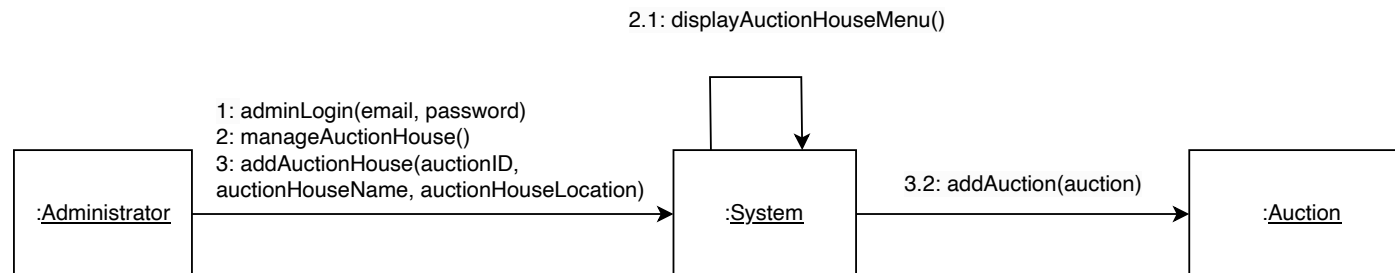**Admin: Manage Object of Interest - Add New Object**

2.1: displayObjectMenu()

1: adminLogin(email, password)
2: manageObjectsOfInterest()
3: addObjectsOfInterest(objectID, name,
description, type, isOwned)

3.1: addObjectsOfInterest(objectID,
name, description, type, isOwned)

:Administrator → :System → :ObjectOfInterest

Admin: Manage Client Account - Add New Client

2.1: displayClientMenu()
4.1: setStatus("Approved")
4.2: createClientAccount()
4.4: notifyClient()

1: adminLogin(email, password)
2: manageClient()
3: getPendingClients()
4: approveAccount()

3.1: getPendingClients()
4.3: addClient(client)

3.2: getDetails()

:Administrator → :System → :Client → pendingClient:Client

Admin: Manage Auction House - Create Auction

2.1: displayAuctionHouseMenu()
3.1: checkConflict()

1: adminLogin(email, password)
2: manageAuctionHouse()
3: addAuction(auctionID, name, schedule,
type, location, auctionHouse)

3.2: addAuction(auctionID, name, schedule,
type, location, auctionHouse)

:Administrator → :System → :Auction

Admin: Manage Auction House - Add Auction House

2.1: displayAuctionHouseMenu()

1: adminLogin(email, password)
2: manageAuctionHouse()
3: addAuctionHouse(auctionID,
auctionHouseName, auctionHouseLocation)

3.2: addAuction(auction)

:Administrator → :System → :Auction

Expert: Accept Service Request - Update Availability

3.1: assignExpertToService()
3.2: setRequestStatus("Accepted")

1: expertLogin(email, password)
2:: viewExpertServiceRequests()
3: acceptServiceRequest()
4: updateAvailability(schedule)

:Administrator

:System

4.1: updateAvailability(schedule)

:Admin