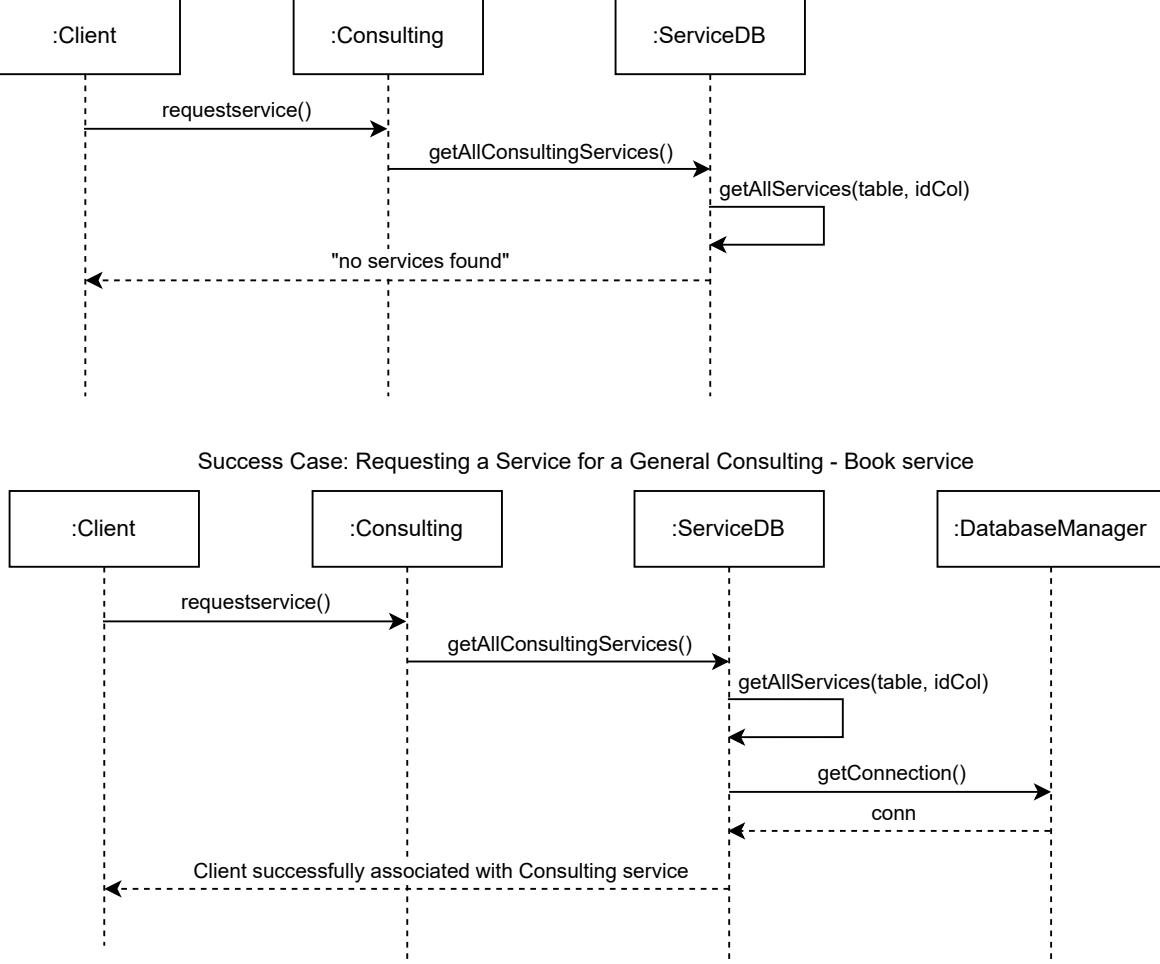# Sequence Diagram Iteration 3

Failure Case: Requesting a Service for a General Consulting - No services found

:Client → :Consulting : requestservice()
:Consulting → :ServiceDB : getAllConsultingServices()
:ServiceDB → :ServiceDB : getAllServices(table, idCol)
:ServiceDB → :Consulting : "no services found"
:Consulting → :Client : "no services found"

Success Case: Requesting a Service for a General Consulting - Book service

:Client → :Consulting : requestservice()
:Consulting → :ServiceDB : getAllConsultingServices()
:ServiceDB → :ServiceDB : getAllServices(table, idCol)
:ServiceDB → :DatabaseManager : getConnection()
:DatabaseManager → :ServiceDB : conn
:Consulting → :Client : Client successfully associated with Consulting service

Administrator / AdminDB

:Main → Administrator : createAccount(id, email, password, affiliation, contact info, description)
Administrator → AdminDB : approveClientSignUp(id, email, password, affiliation, contact info, description)
AdminDB → AdminDB : isEmailRegisters(clientEmail)
[Returns false] / [Returns true]
Return false
c:Client
insertClient(client)
[if client inserted] returns true
add(c)
[if client !inserted] returns false

Main / Client / ClientDB

:Main → :Client : logIn()
:Client → :Client : validateCredentials(email, password)
:Client → :ClientDB : getClientByCredentials(email, password)
:ClientDB → :Client : returns client
:Client → :Main : [if client != null] returns client

Main / Objects / ObjectsDB / DatabaseManager

:Main → :Objects : searchObject()
:Objects → :ObjectsDB : getAllObjects()
:ObjectsDB → :DatabaseManager : getConnection()
:DatabaseManager → :ObjectsDB : connection

Main / Objects / ObjectDB / DatabaseManager

:Main → :Objects : selectObject(objectId)
:Objects → :ObjectDB : getObjectById(objectId)
:ObjectDB → :DatabaseManager : getConnection()
:DatabaseManager → :ObjectDB : connection
:ObjectDB → :Objects : return object
:Objects → :Main : return object

Main / Service / ServiceDB / DatabaseManager

:Main → :Service : requestService()
:Service → :ServiceDB : getAllServices()
:ServiceDB → :DatabaseManager : getConnection()
:DatabaseManager → :ServiceDB : connection

Main / Service / ServiceDB / DatabaseManager

:Main → :Service : ClientBookServiceTime(client, service)
:Service → :ServiceDB : updateService(client, serviceId)
:ServiceDB → :ServiceDB : updateService(client, serviceId)
:Service → :Main : service associated with client
:ServiceDB → :DatabaseManager : getConnection()
:DatabaseManager → :ServiceDB : connection

Main / Auction / AuctionDB / DatabaseManager

:Main → :Auction : searchAuction()
:Auction → :AuctionDB : getAllAuctions()
:AuctionDB → :DatabaseManager : getConnection()
:DatabaseManager → :AuctionDB : connection

Main / Auction / AuctionDB / DatabaseManager

:Main → :Auction : selectAuction(auctionId)
:Auction → :AuctionDB : getAuctionById(auctionId)
:AuctionDB → :DatabaseManager : getConnection()
:DatabaseManager → :AuctionDB : connection
:AuctionDB → :Auction : return auction
if auction != null
getAuctionTitle()
getSpecialty()
:Auction → :Main : return auction