Student Name: Emre Oytun

Student No: 200104004099

MinFit

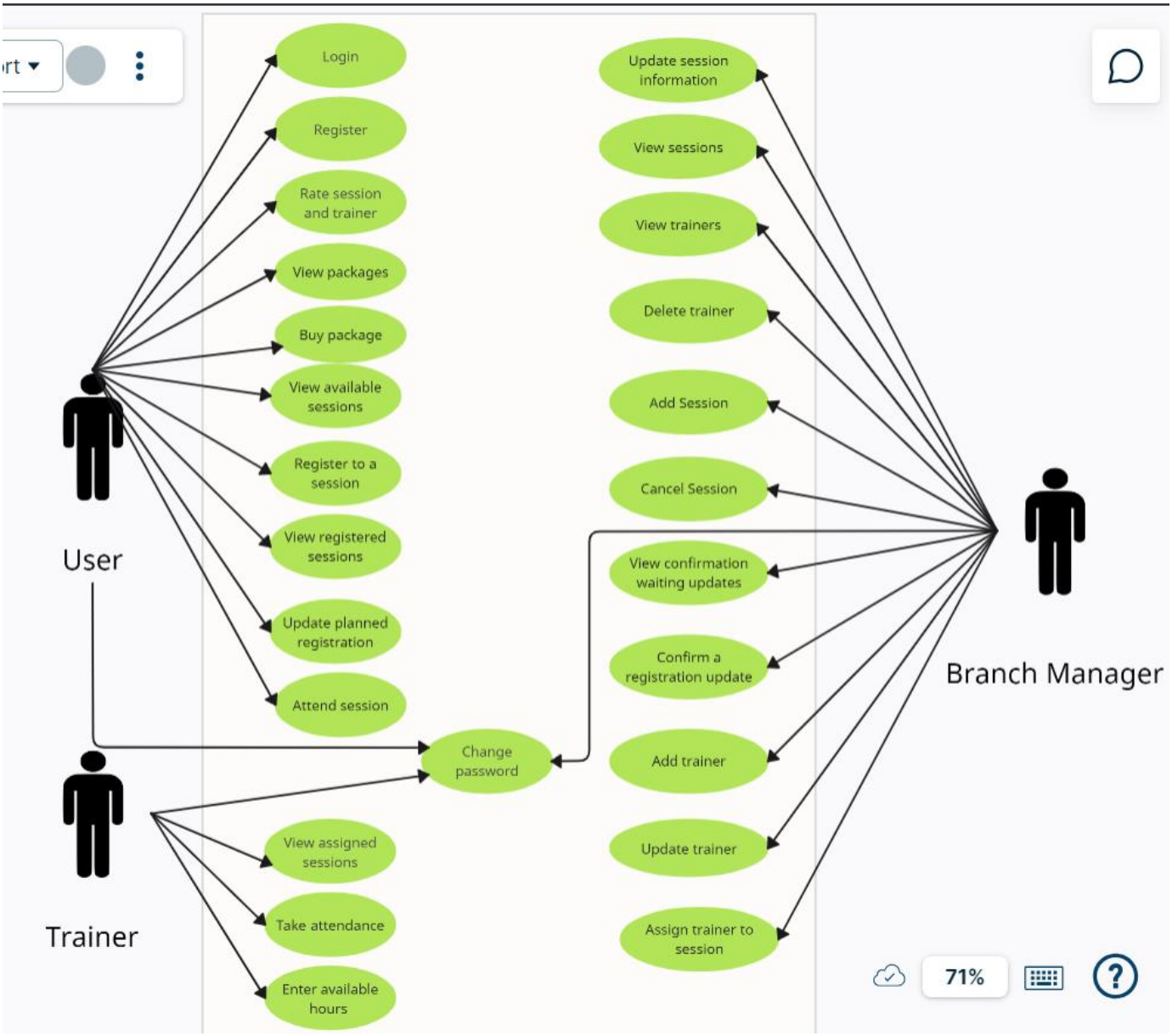
USE CASE DIAGRAMS:

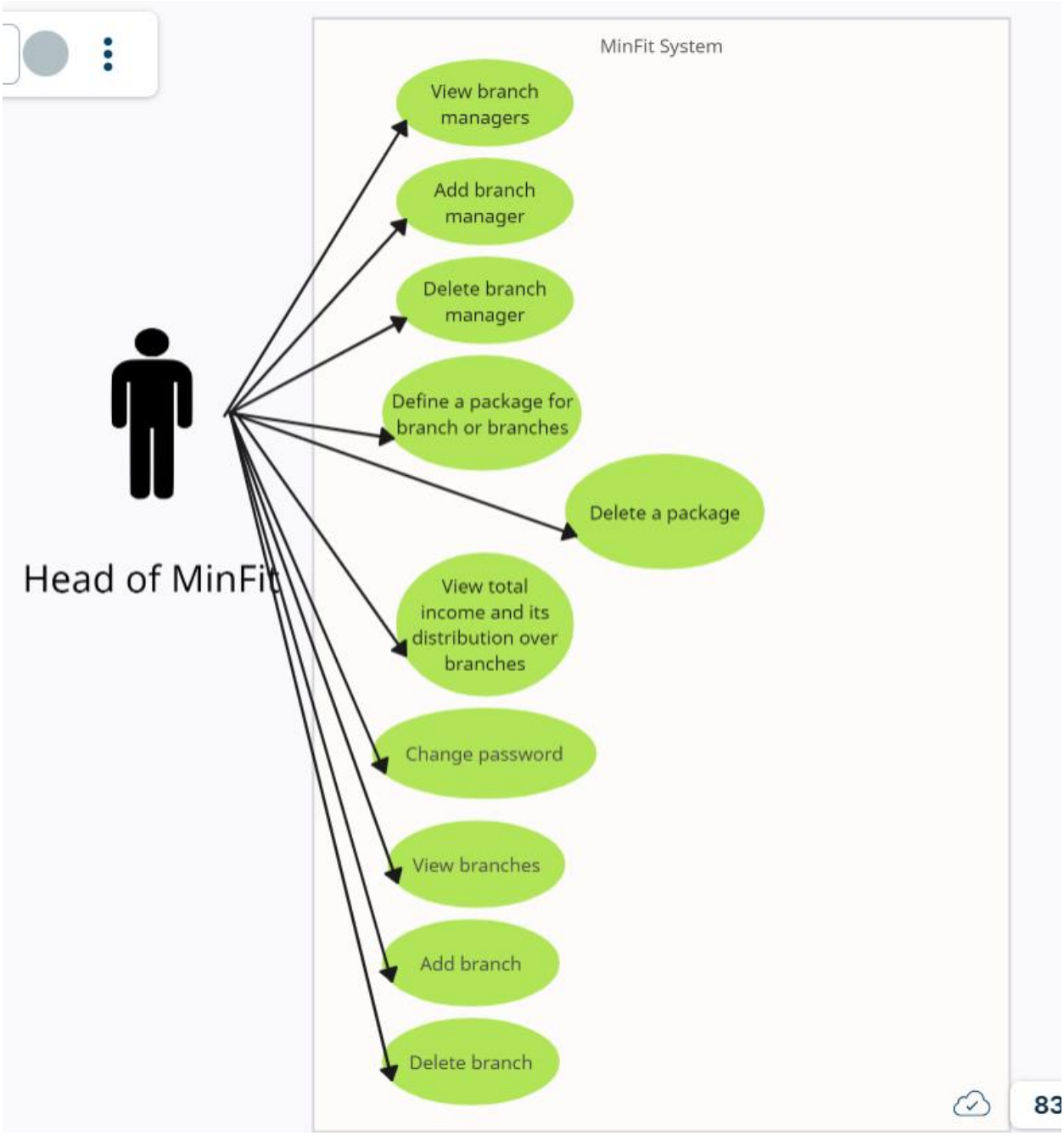
User: The customer of the saloon. It can buy/use packages to register to sessions and use the saloon.

Branch Manager: The manager of the specific branch. A branch can consist several cities. Branch manager is responsible for maintaining the sessions and trainers mainly.

Head of Minfit: The head of the MinFit saloon chain. It has some administrative functionalities. It manages branch managers, and can define packages.

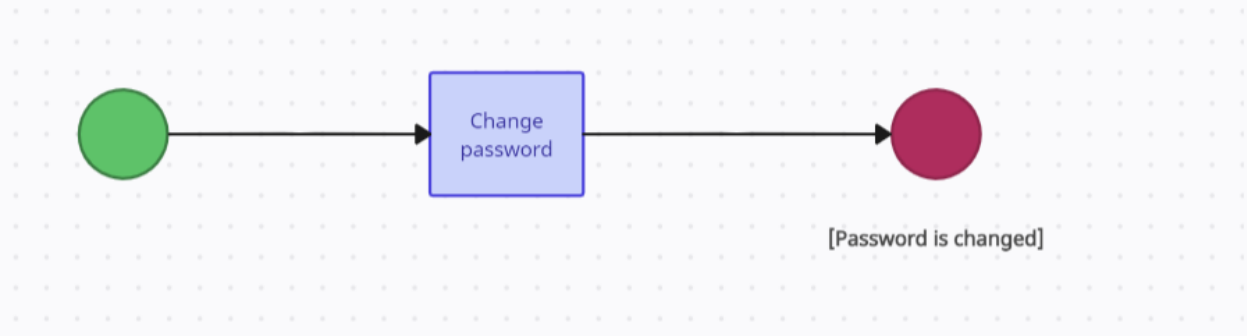
Trainer: A trainer which manages the sessions by taking attendance at the beginning of sessions, and by helping the users.


Login
Register
Rate session and trainer
View packages
Buy package
View available sessions
Register to a session
View registered sessions
Update planned registration
Attend session
User
Change password
View assigned sessions
Take attendance
Enter available hours
Trainer
Update session information
View sessions
View trainers
Delete trainer
Add Session
Cancel Session
View confirmation waiting updates
Confirm a registration update
Add trainer
Update trainer
Assign trainer to session
Branch Manager
71%

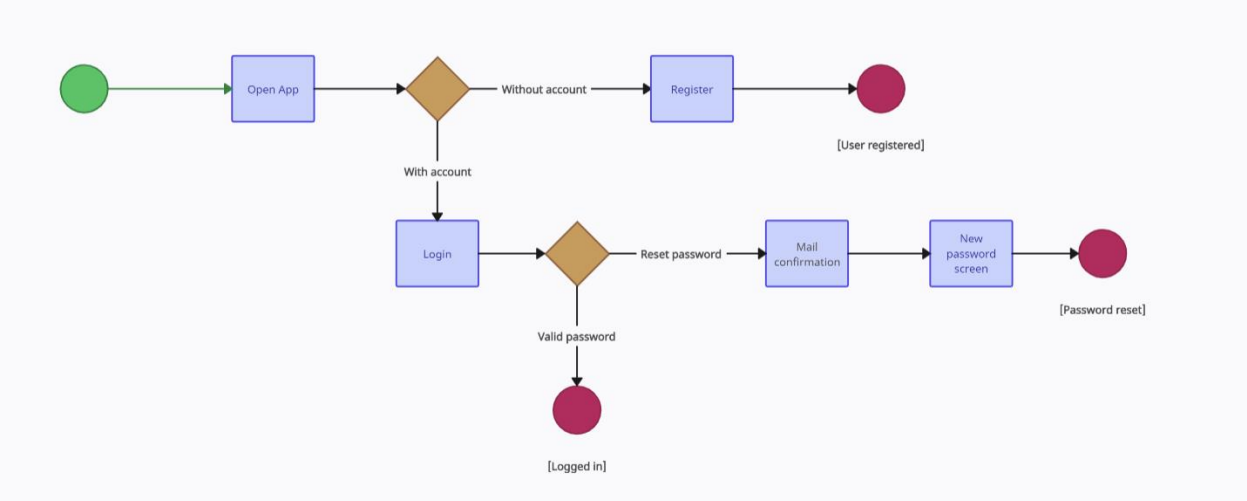

MinFit System
View branch managers
Add branch manager
Delete branch manager
Define a package for branch or branches
Delete a package
View total income and its distribution over branches
Change password
View branches
Add branch
Delete branch
Head of MinFit

PROCESS MODELS:

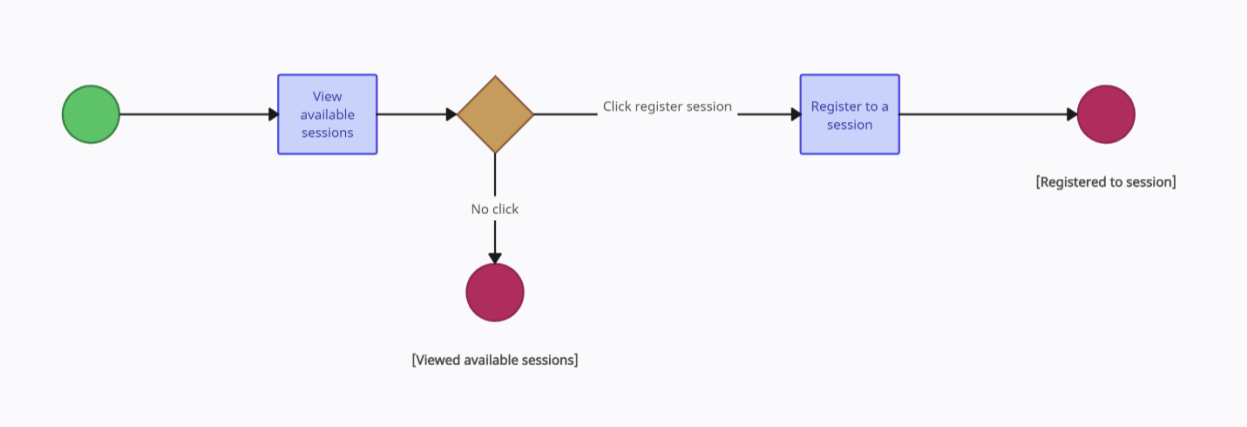
Head of Minfit/Branch Manager/User/Trainer - Change Password:



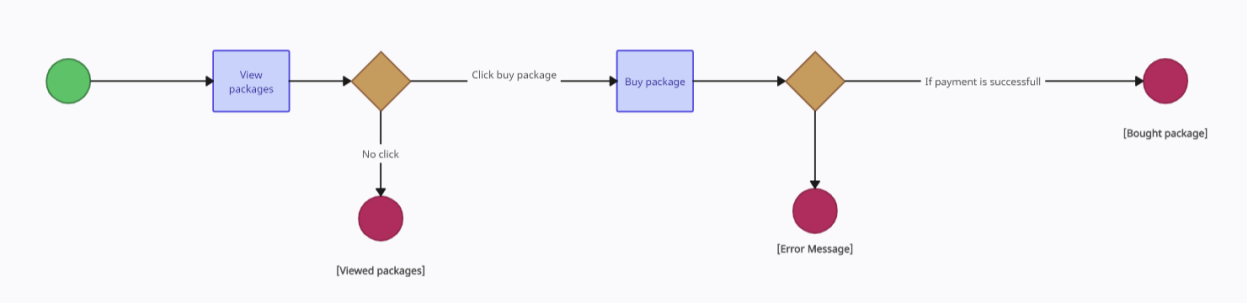
Login/Register:



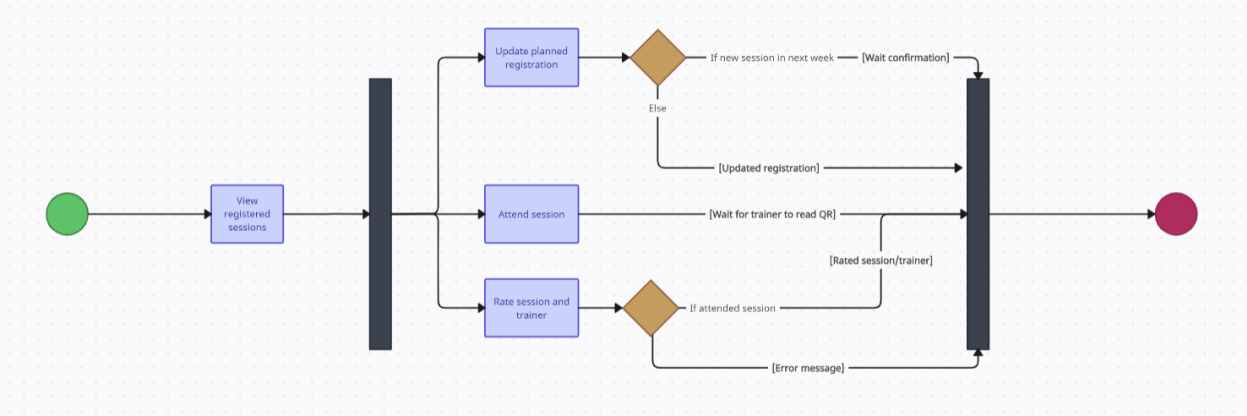
User - View Available Sessions and Related Session Operations:



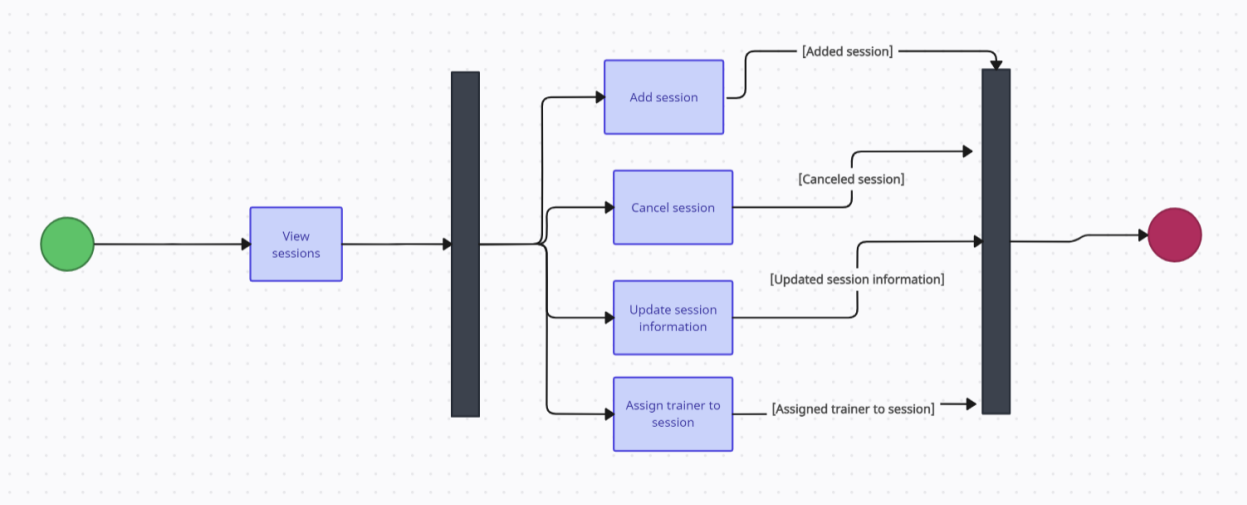
User - View Packages and Related Package Operations:



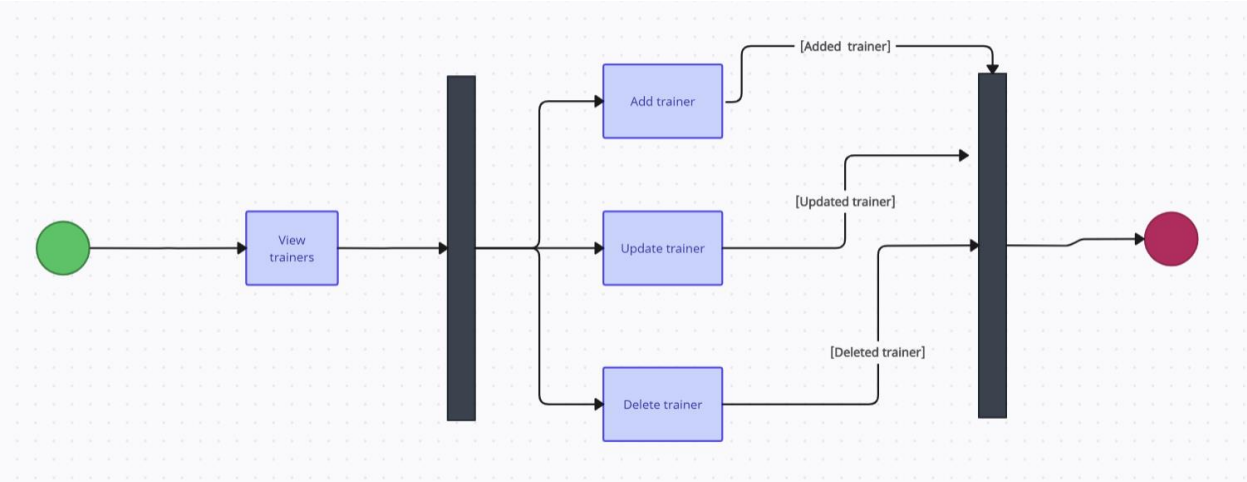
User - View Registered Sessions and Registered Session Related Operations:



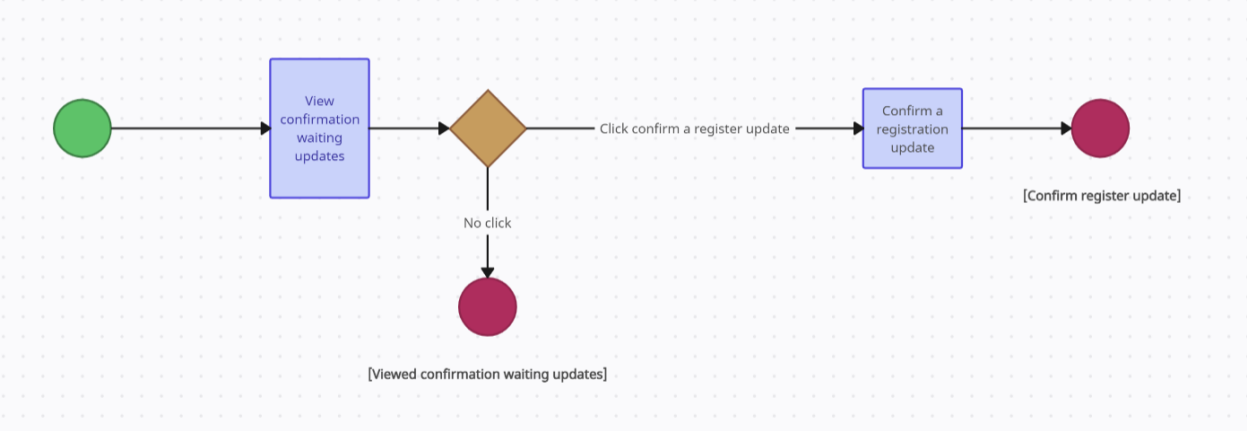
Branch Manager – Session Operations:



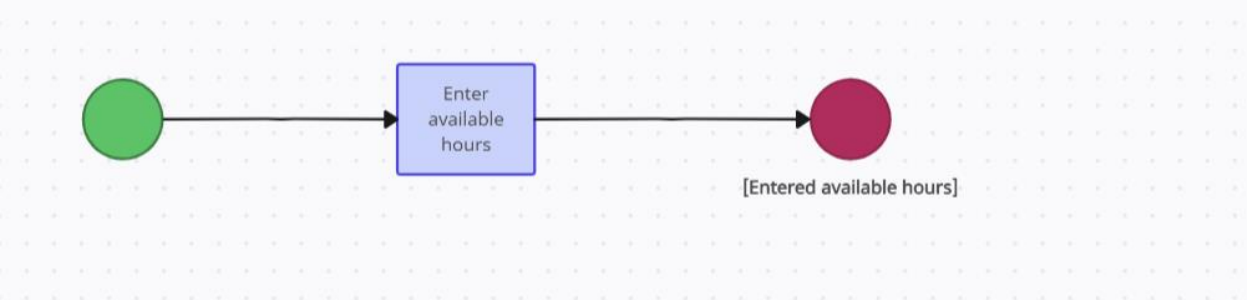
Branch Manager – Trainer Operations:



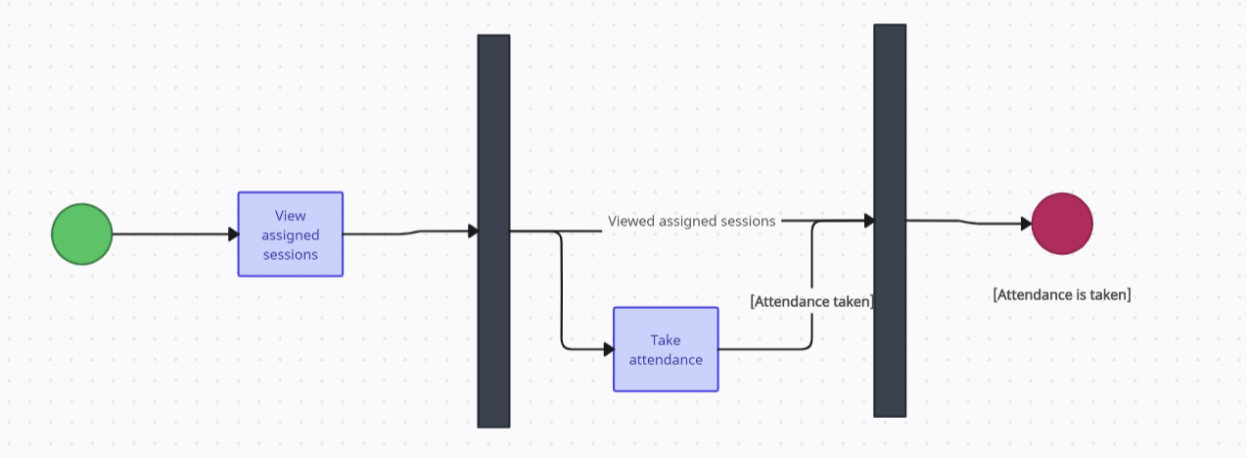
Branch Manager – Confirmation Waiting Requests Operations :



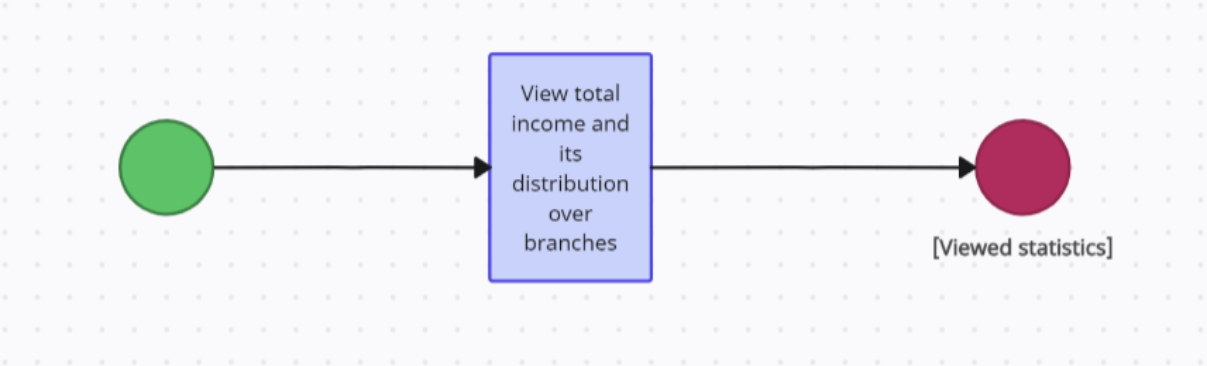
Trainer – Enter Available Hours:



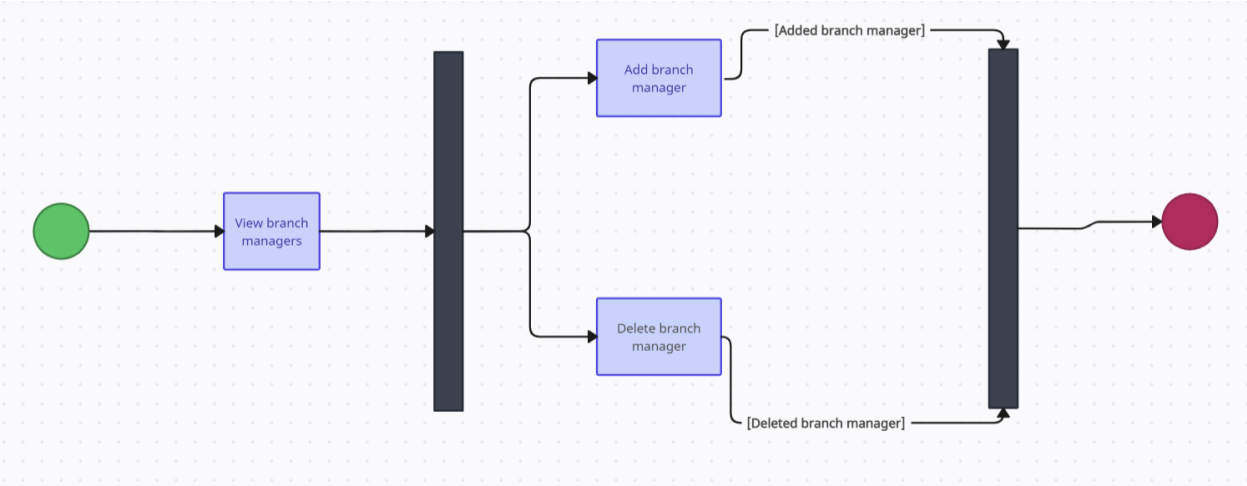
Trainer – Assigned Sessions Operations:



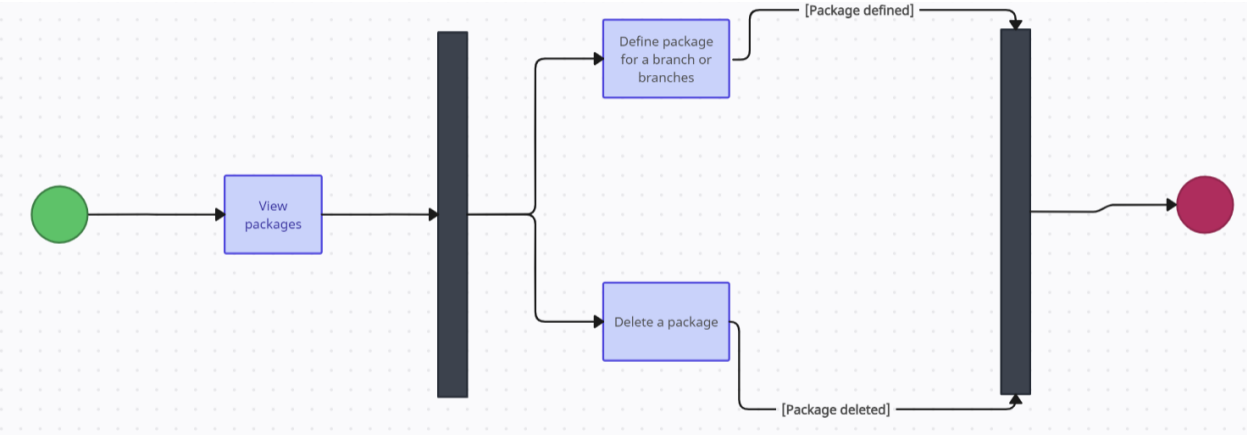
Head of Minfit – View Statistics:



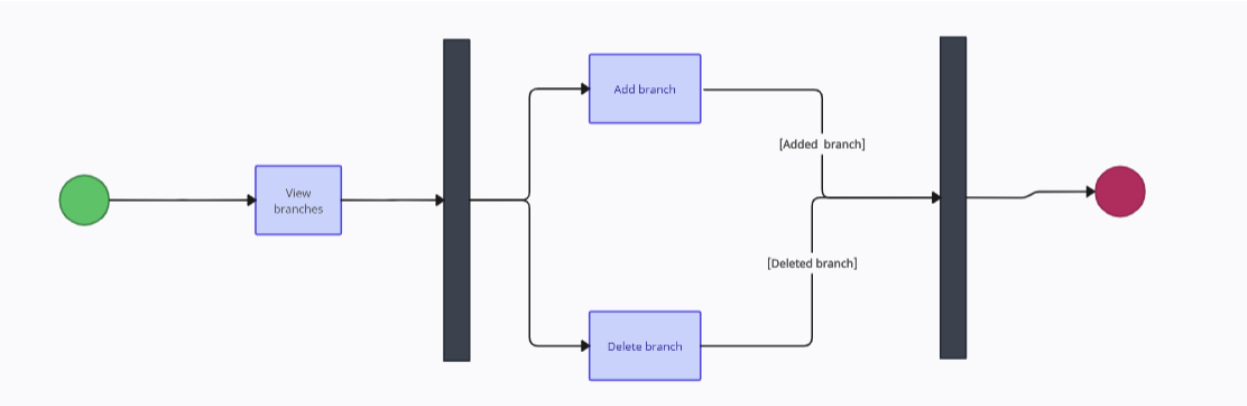
Head of Minfit – Branch Manager Operations:



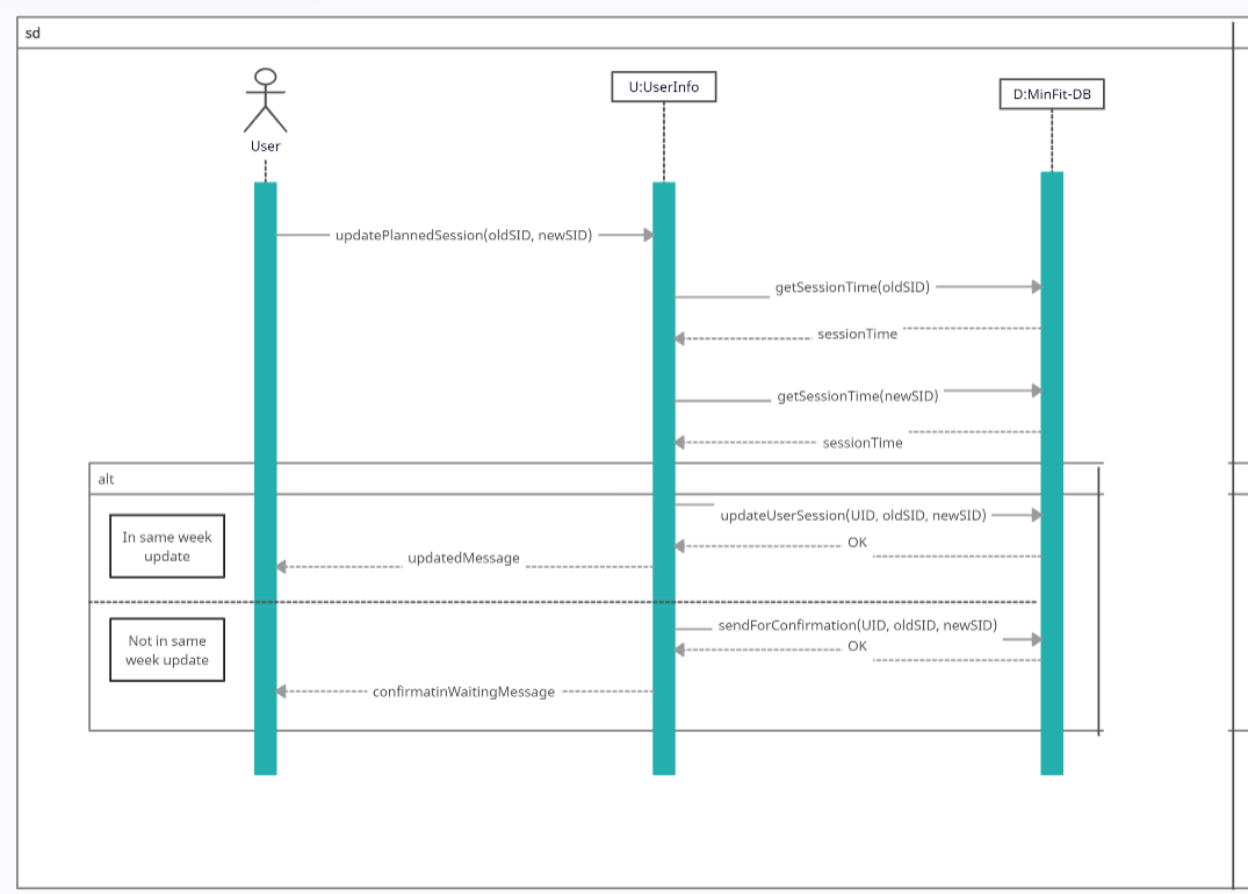
Head of Minfit – Package Operations:

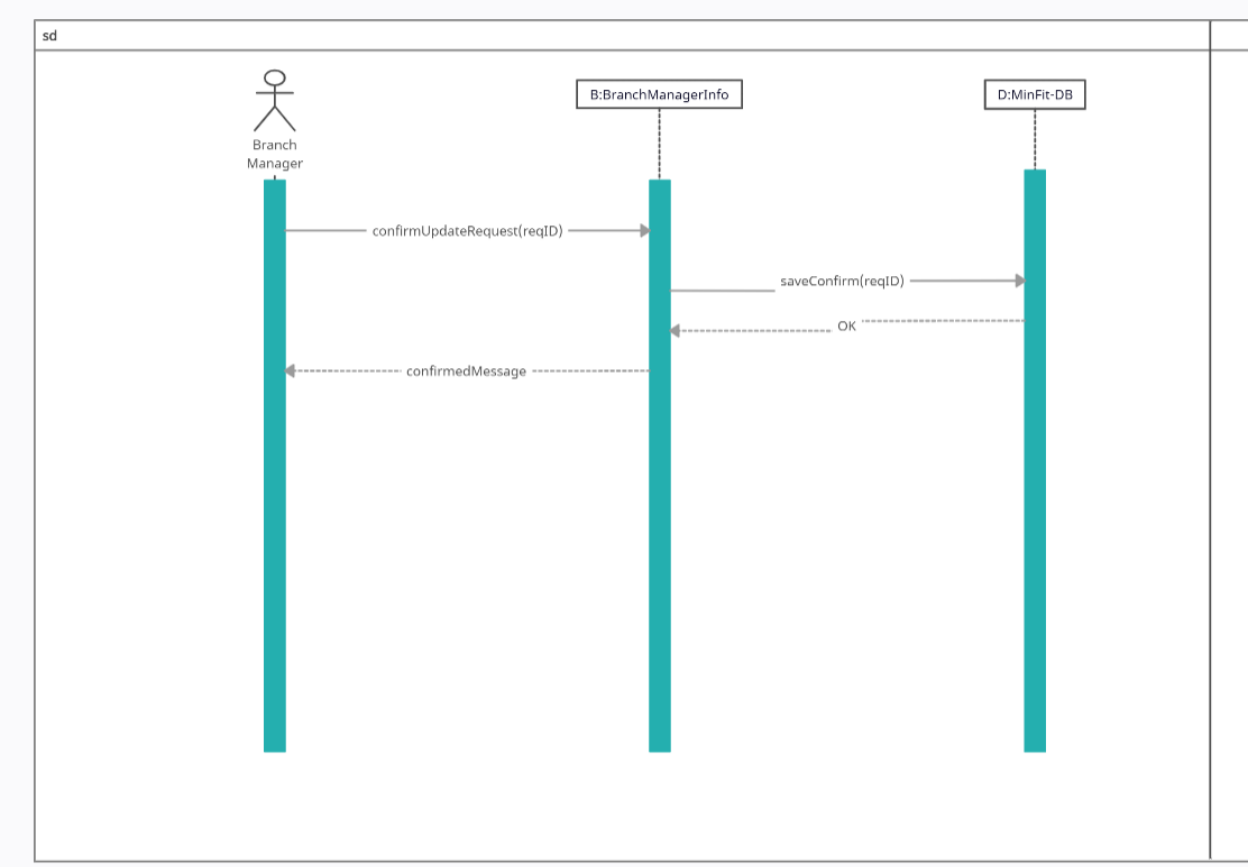


Head of Minfit – Branch Operations:

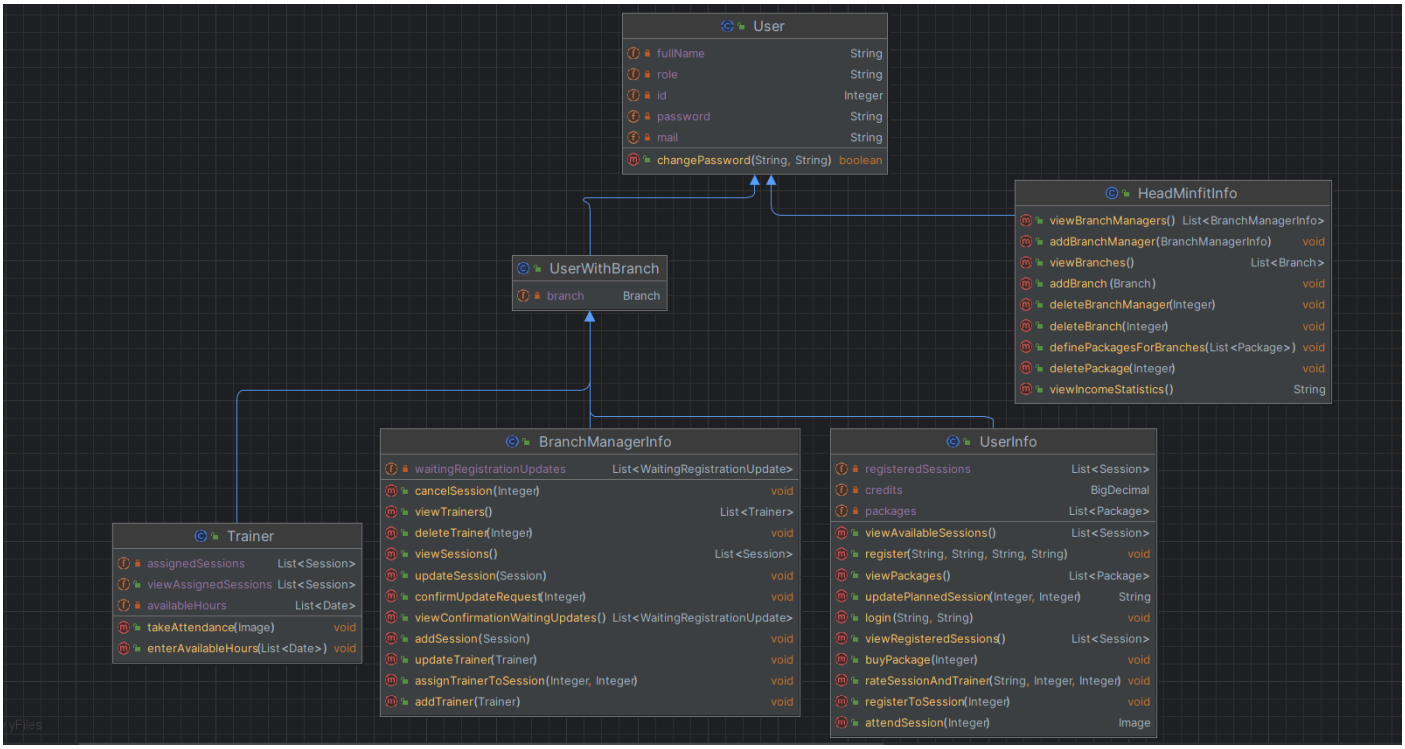


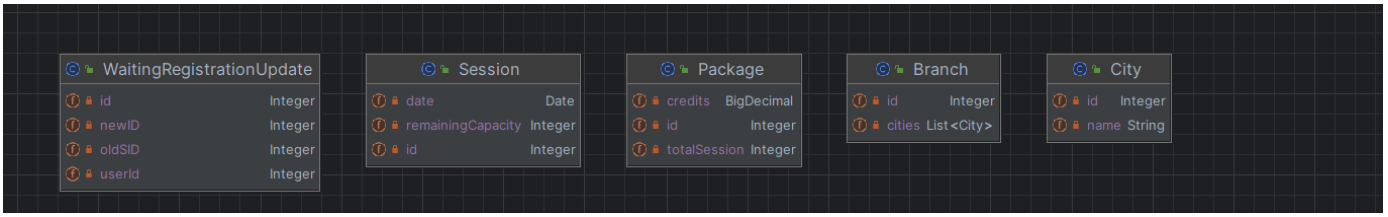
SEQUENCE DIAGRAMS:

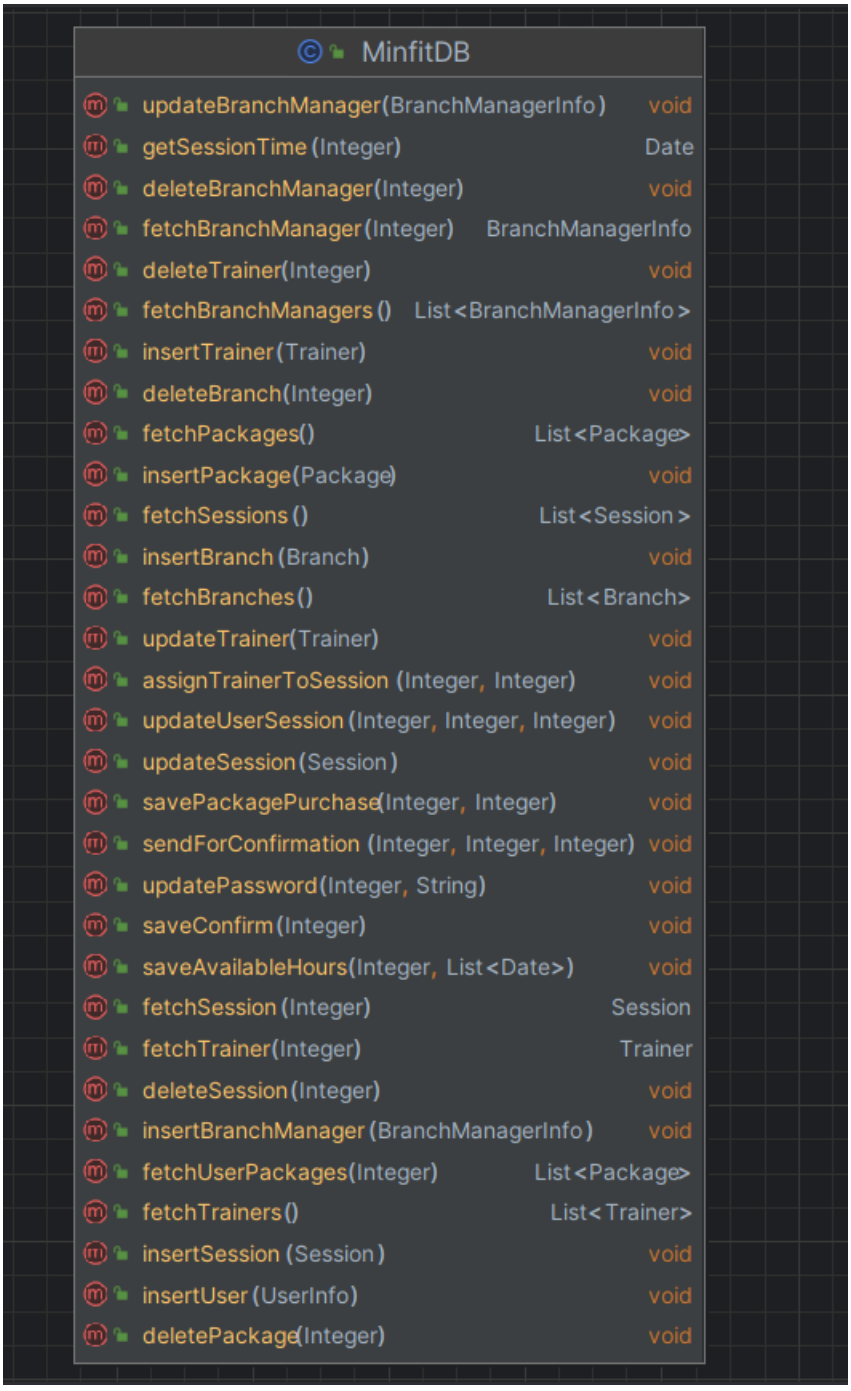



sd
Branch Manager
B:BranchManagerInfo
D:MinFit-DB
confirmUpdateRequest(reqID)
saveConfirm(reqID)
OK
confirmedMessage

CLASS DIAGRAMS:






MinfitDB
updateBranchManager(BranchManagerInfo) void
getSessionTime(Integer) Date
deleteBranchManager(Integer) void
fetchBranchManager(Integer) BranchManagerInfo
deleteTrainer(Integer) void
fetchBranchManagers() List<BranchManagerInfo>
insertTrainer(Trainer) void
deleteBranch(Integer) void
fetchPackages() List<Package>
insertPackage(Package) void
fetchSessions() List<Session>
insertBranch(Branch) void
fetchBranches() List<Branch>
updateTrainer(Trainer) void
assignTrainerToSession(Integer, Integer) void
updateUserSession(Integer, Integer, Integer) void
updateSession(Session) void
savePackagePurchase(Integer, Integer) void
sendForConfirmation(Integer, Integer, Integer) void
updatePassword(Integer, String) void
saveConfirm(Integer) void
saveAvailableHours(Integer, List<Date>) void
fetchSession(Integer) Session
fetchTrainer(Integer) Trainer
deleteSession(Integer) void
insertBranchManager(BranchManagerInfo) void
fetchUserPackages(Integer) List<Package>
fetchTrainers() List<Trainer>
insertSession(Session) void
insertUser(UserInfo) void
deletePackage(Integer) void