Design Pattern for project 1 - Applied DAO
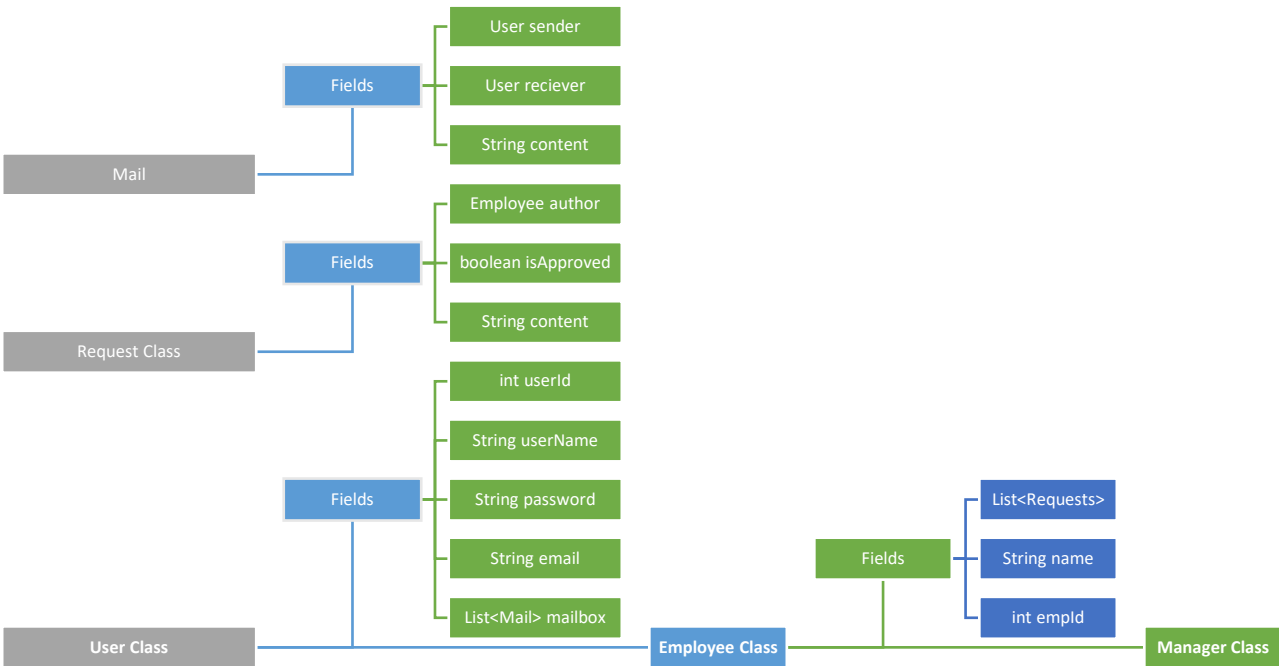
Database Model

Mail
- Fields
  - User sender
  - User reciever
  - String content

Request Class
- Fields
  - Employee author
  - boolean isApproved
  - String content

User Class
- Fields
  - int userId
  - String userName
  - String password
  - String email
  - List<Mail> mailbox

Employee Class

Manager Class
- Fields
  - List<Requests>
  - String name
  - int empId

Services

UserServicesImp
- UserServive (Interface)
  - login (String username/email, String password)
  - forgotPassword(String username/email)
  - logout()
- Define functions

EmployeeServicesImp
- EmployeeServices (Interface)
  - changeName (Employee e)
  - changeRquest (Employee)
  - deleteRequest (Employee e)
  - createRequest (Employee e)
- Define functions

ManagerServiceImp
- ManagerServices (Interface)
  - approveRequest (Manager m, Request r)
  - denyRequest (Manager m, Request r)
  - restorePassword (String username/email)
- Define function