

«PDFService»

+ generateTransactionReport(transactions: List<Transaction>, filePath: String): void

+ generatePDFReport(transactions: List<Transaction>, stage: Stage): void

«CSVService»

+ exportToCSV(transactions: List<Transaction>, stage: Stage): void

«AuthService»

- clientSocket: ClientSocket

+ initializeClientSocket(): void

+ sendAccessGrantedMessage(userId: String): void

+ isValidEmail(email: String, password: String): boolean

+ emailAlreadyExists(email: String): boolean

+ verifyPassword(password: String, confirmPassword: String): boolean

+ verifyCellphone(cellphone: String): boolean

+ verifyEmailDomain(email: String): boolean

+ isAdmin(email: String, password: String): boolean

+ closeClientSocket(): void

«AccountService»

+ addAccount(account: Account): void

+ getAllAccounts(): List<Account>

+ serializeAccountToXML(account: Account, user: User): void

+ doesAccountExist(accountNumber: String): boolean

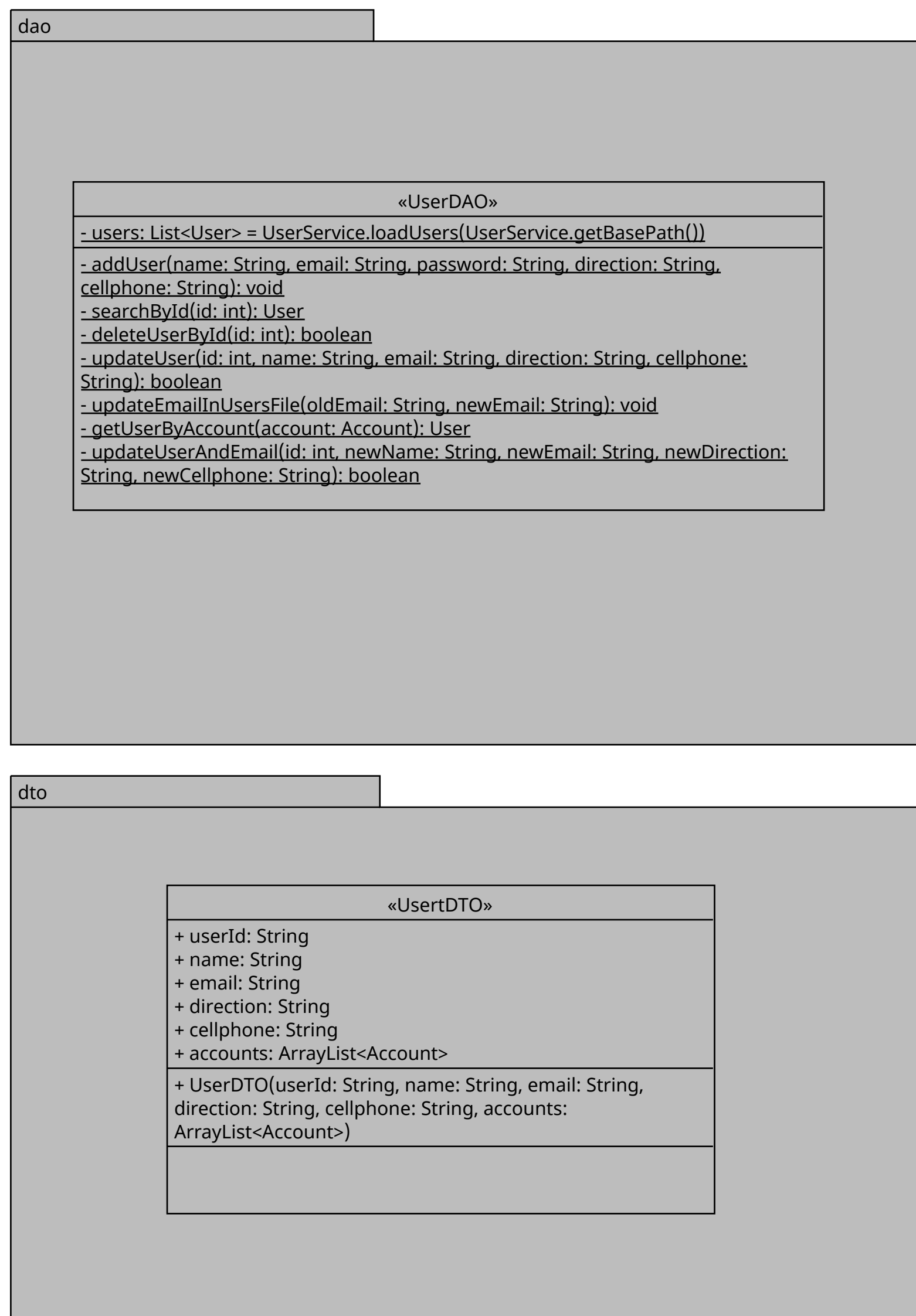
+ getAccountNumber(accountNumber: String): Account

+ deserializeAccountFromUser(userId: int): List<Accounts>

+ deleteAccount(account: Account): void

+ deleteAccountFromFile(userId: int, account: Account): void

+ updateUserFile(userId: User): void



«UserDTO»

+ userId: String

+ name: String

+ email: String

+ direction: String

+ cellphone: String

+ accounts: ArrayList<Account>

+ UserDTO(userId: String, name: String, email: String, direction: String, cellphone: String, accounts: ArrayList<Account>)

