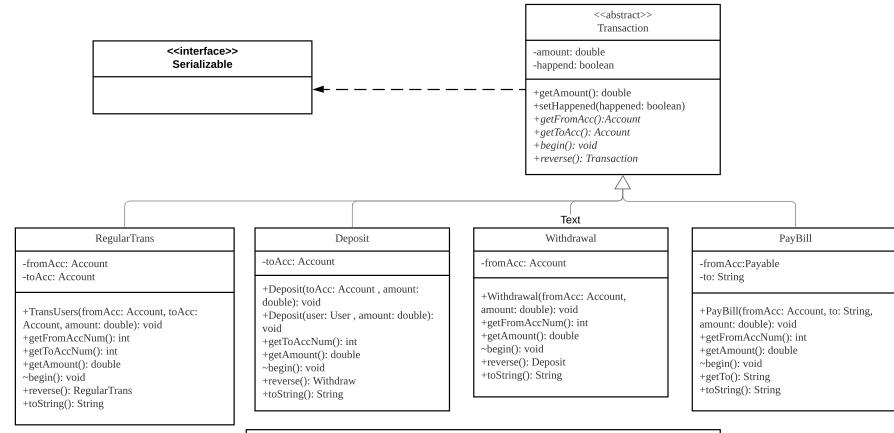


InfoStorer

- -AccountMap: Map<String, Account>
- -UserMap: Map<String, User>
- -bankManagerMap: Map<String, BankManager>
- -transactionManager: TransactionManager
- -accountCreationRequest: Map<String, String>
- -cashMachine: CashMachine
- +InfoStorer(): void
- +getAccountMap(): Map<String, Account>
- +getUserMap(): Map<String, User>
- +getBankManagerMap(): Map<String, BankManager>
- +getTransactionManager(): TransactionManager
- +getAccountCreationReques()t: Map<String, String>
- +getCashMachine(): CashMachine
- +addUser(newUser: User): void
- +addBankManager(newBankManager: BankManager): void
- +addAccount(newAccount Account): void

InfoManager Oberserver

- -filepath: String
- -infoStorer: InfoStorer
- -infoManager: InfoManager
- +InfoManager(): void
- +getInfoManager(): InfoManager
- +readFromFile(path: String): void
- +addRelationship(): void
- +saveToFile(): void
- +getInfoStorer(): InfoStorer
- +getUser(id: String): User
- +getAccount(id: String): Account
- +getBankManager(id: String): BankManager
- +getTransactionManager(): TransactionManager +getCashMachine(): CashMachine
- +getUserNum(): int
- +getAccountNum(): int
- +getBankManagerNum: int
- +add(newAccount: Account): void
- +add(newBankManager: BankManager): void
- +add(userID: String, type: String): void
- +removeRequest(userID: String, type: String): void
- +update(o: Oberservable, arg: Object): void



BankSystem

-SystemOn: boolean

-infoManager: InfoManager

- +main(String[] arg): void
- +run(): void
- +identityLog():void
- +managerLog(Id: String):void
- +userLog(id: String): void +printMangeMenu(): Void
- +managerMainMenu(bankManger: BankManage):Void -printManagerSubMenu():void
- -managerSubMenu(bankManager: BankMangaer):void
- -printUserMenu():void
- -userMainMenu(user: user): void -printAllAccountList(ArrayList):void
- -printTypeAccountList(list: ArrayList): void
- -printAccountInfoSubSubMenu(): void
- -userAccountInfoSubMenu(uam: UserAccManager) -userAccountInfoSubSubMenu(acc: Account)
- -printPriChqSubMenu(manager: UserAccManager): ArrayList
- -userPriChqSubMenu(manager: UserAccManager): void
- -printTransSubSubMenu(): void -printTransSubMenu(): void
- -userTransSubMenu(): void
- -payBillMenu(uam: UserAccManager): void
- -withdrawalMenu(uam: UserAccManager): void -depositMenu(uam: UserAccManager): void
- -regularTransactionMenu(uam: UserAccManager): void
- -userReqAccSubMenu(user: User): void -transactionHelperOne(map: Map): void
- -transactionHelper(list: ArrayList): Account
- -ensureDouble(prompt):double
- -ensureInt(prompt: String):void -ensureID(): String
- -ensurePassword(length:int):String
- -ensureOption(min:int,max;int): String
- -promptuser(prompt: String):String