



Transaction + amount:double + senderName:String + date :Date + Transaction() + Transaction(transactionType:TransactionType,amount:double):Transaction + getAmount() + setAmount(double) + getSender() + setSender(String)

+ getAmount(double) + getSender() + setSender(String) + getDate()

User + id : int + fullname :String + userName:String + password :String + user() + hashCode(): int + toString():String + equals(Obj:Object):boolean + getId() + setId() + setfullName() + getfullName() + setuserName() + getUserName() + setPassword() DateUtil -memberName

DateUtil + DATE_FORMAT_PATTERN:String - DateUtil() + toDate(dateAsString:String):LocalDate + getNow():String + toLocalDate(date:Date):String

+ toDate(date:LocalDate):Date

+ toString(date:LocalDate):String

PrintHandler + appTitle() + optionLogOut() + optionQuit() + optionBackToMainMenu() + clearScreen() + readInput(userInput:String):int + optionList(options:List) + optionListInRow(options:List)

Account

+ balance:double

+ addTransaction

+ getBalance()

+ Account():Account

+ setBalance(double :balance)

<<Enumeration>>

TransactionType

DEPOSIT

<<Enumeration>>

MenuContext

WELCOME

SIGNUP

MAIN

USER

UPDATE_USER

DELETE_USER

VIEW_BALANCE

WITHDRAW_MONEY

TRANSFER_MONEY

DEPOSIT_MONEY

LOGOUT

ServiceUtil

serviceUtil()

+ saveUsers(List<Users>)

+ loadUsers(List<Users>)

ACCOUNT

CHANGE_PASSWORD

TRANSFER WITHDRAW

```
BaseView
 - scanner:Scanner
+ BaseView(title:String):BaseView
 + getMenuOptions():String [1...*]
 + printNavigationMenu()
 + setTitle(title:String)
 + getUserterminal():Scanner
 + printSaveMessage()
 + printInvalidOption()
 + printUserRequest()
 + printMessage(message:String)
 + askConfirmationYesOrNo():boolean
 + waitForDecision()
 + getUserInput():int
 + getUserText():String
 + getSelectedOptionFromMenu(menuItems:int):int
 + askUserName():String
 + askuserPassword():String
 + setMenuOptions(menuOptions:List)
 + setMenuOptionsInRow(menuOptions:List)
```

WelcomeView + WelcomeView(title:String):WelcomeView + getMenuOptions():String[1..*] + printNavigationMenu()

AccountView +AccountView(title:String):AccountView +getMenuOptions():String[1..*] +printNavigationMenu() +showBalance(balance:double) +askWithdrawAmount():double +askSenderDetails():String +askTransferAmount():double -getUserEnteredAmount():double +askUserDepositAmount():double +askUserDepositAmount():double +askUserDepositAmount():double

	+userView(title:String):userView +getMenuOptions():String[1*] +printnavigationMenu() +askUserDeletion():boolean
M	ainMenu
	ainMenu +MainView(String)
-	

+ handleOption(int, User)

