Users

Users

- name: String
- password: String
- userID: String;
- accounts: ArrayList<CheckingAccount>

+ Users() : Users
+ Users(tempName: String, tempPassword: String, theBank: Bank): Users
+ getUserID(): String
+ getPassword() :String
+ getAccount(accountNumber: String): CheckingAccount
+ getAccountByName(accountName: String): CheckingAccount
+ getAllAccounts(): String
+ addAccount(account: CheckingAccount)

Bank

Bank

- name: String
- users: ArrayList<Users>
- accounts: ArrayList<CheckingAccounts>

+ Bank(theName: String): Bank
+ getUserID(): String
+getNewAccountID(): String
+ addUser(name: String, pass: String): Users
+ addAccount(account: CheckingAccount)
+ attemptLogin(userID: String, pass: String): Users

CheckingAccount

CheckingAccount

- balance: double
- accountNumber: String
- nameOfAccount: String
- owner: Users

+ CheckingAccount(name: String, theOwner: Users, theBank, Bank): CheckingAccount
+ getBalance(): double
+ getAccountNumber(): String
+ getName(): String
+ withdraw(amount: double)
+ deposit(amount: double)
+ transfer(amount: double, toAccount: CheckingAccount)
+ toString(): String

TextInterface

TextInterface

- theBank: Bank
- theUser: Users

+ TextInterface(): TextInterFace
+ deposit()
+ withdraw()
+ transfer()
+ makeNewAccount()
+ mainMenu()
+ existingUser()
+ newUser()
+ run()