Account Management UML

Main

main():

Registration

SignUp(): void
logIn(): void

User

name: String

phoneNumber: String

address: String

interestRate: float

transactionDetails: String

deductionDetails: String

transactionCount: int

loginDetails: LoginDetails

account: BankAccount

User(): void

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setters

getters

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addTransactionDetails(): void

addDeductionDetails(): void

addTransactionCount(): void

BankAccount: abstract

balance: long
accType: char

setters
getters

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makeDeposit(): abstract void
makeWithdrawal(): abstract void
calculateZakat(): abstract void

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checkBalance(): void
transferAmount(): void
printStatement(): void
displayAllDeductions(): void
changeInterestRate(): void
calculateInterest(): void
deleteAccount(): booolean

LoginDetails

accountNumber: int
password: int

loiginDetails(): void

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getters

SavingAccount

makeDeposit(): void
makeWithdrawal(): void
calculateZakat(): void

CheckingAccount

makeDeposit(): void
makeWithdrawal(): void
calculateZakat(): void