Project 1

Account (abstract)

-accountNumber(): String

-accountBalance: double

-customer: Customer

-transaciton: Transaction

+Account(String, double, Customer)

+getAccountNumber(): String

+getAccountBalance(): double

+getCustomer(): Customer

+setAccountNumber(String): void

+setAccountBalance(double): void

+setCustomer(Customer): void

+abstract makeDeposit(double): boolean

+abstract makeWithdrawal(double): double

Customer

-customerID: String

-customerName: String

-active: boolean

+Customer(String, String)

+getCustomerID(): String

+getCustomerName: String

+getActive: boolean

+setCustomerID(String): void

+setCustomerName(String): void

+setActive(Boolean): void

+toString(): String

Regular

-regularInterestRate: double

-regularInterestAmount: double

-regularFixedCharge: double

+Regular(String, double, Customer)

+getRegularInterestRate(): double

+getRegularFixedCharge(): double

+getRegularInterestAmount(): double

+setRegularInterestRate(double): void

+setRegularFixedCharge(double): void

+makeDeposit(double): boolean

+makeWithdrawal(double): double

+toString(): String

Checking

-checkingTransactionFee: double

-checkingTransactionFeeAmount: double

-numberOfTransactions: int

+Checking(String, double, Customer)

+getCheckingTransactionFee(): double

+getCheckingTransactionFeeAmount(): double

+getNumberOfTransactions(): int

+setCheckingTransactionFee(double): void

+makeDeposit(double): boolean

+makeWithdrawal(double): double

+toString: String

Phase 1 and 2

Ian Holtson

Jeremiah McKinney

Theral Jessop

Gold

-goldInterestRate: double

-goldInterestAmount: double

+Regular(String, double, Customer)

+getRegularInterestRate(): double

+getRegularInterestAmount(): double

+setRegularInterestRate(double): void

+makeDeposit(double): boolean

+makeWithdrawal(double): double

+toString(): String

Transaction

-createDate: Date()

-customerID: String

-accountNumber: String

-description: String

-amount: double

-transactionNumber: long

+Transaction(Date(), String, String, String, double, long)