

GeometricObject
-color: String -filled: boolean -dateCreated: java.util.Date
+GeometricObject() +GeometricObject(Color: String, filled: boolean) +getColor(): String +setColor(color: String): +isFilled(): boolean +setFilled(filled: boolean): +getDateCreated(): java.util.Date +toString(): String

Triangle(Extends GeometricObject)
-side1: double -side2: double -side3: double
+Triangle() +Triangle(side1: double, side2: double, side3: double) +getSide1(): double +getSide2(): double +getSide3(): double +getArea(): double +getPerimeter(): double +toString(): String

Account
-id: int -balance: double -annualInterestRate: double -dateCreated: String
+Account() +Account(id: int, balance: double) +setId(id: int) +setBalance(balance: double) +setAnnualInterestRate(AnnualInterestRate: double) +getId(): int +getBalance(): double +getAnnualInterestRate(): double +getDateCreated(): String +getMonthlyInterestRate(): double +withdraw(money: double) +deposit(money: double)

CheckingAccount
-overdraftLimitAmount: double
+CheckingAccount() +CheckingAccount(id: int, balance: double, overdraft: double) +setOverdraftLimit(overdraftLimit: double): void +getOverdraftLimit(): double +withdraw(amount: double): boolean +toString(): String

SavingsAccount
+SavingsAccount() +withdraw(amount: double): boolean