

GeometricObject
<ul style="list-style-type: none"> - color: String - filled: boolean - dateCreated: java.util.Date
<ul style="list-style-type: none"> + GeometricObject() + GeometricObject(color: String, filled: boolean) + getColor(): String + setColor(color: String): void + isFilled(): boolean + setFilled(filled: boolean): void + getDateCreated(): java.util.Date + toString(): String

Triangle
<ul style="list-style-type: none"> - side1: double - side2: double - side3: double
<ul style="list-style-type: none"> + Triangle() + Triangle(side1: double, side2: double, side3: double) + getSide1(): double + getSide2(): double + getSide3(): double + getArea(): double + getPerimeter(): double + toString(): String

Account
<ul style="list-style-type: none"> - id: int - balance: double - annualInterestRate: double - dateCreated: String
<ul style="list-style-type: none"> + Account() + Account(newId: int, newBalance: double) + setId(newId: int) + setBalance(newBalance: double) + setAnnualInterestRate(newAnnualInterestRate: double) + getId(): int + getBalance(): double + getAnnualInterestRate(): double + getDateCreated(): String + getMonthlyInterestRate(): double + getMonthlyInterest(): double + withdraw(amount: double) + deposit(amount: double)

CheckingAccount
<ul style="list-style-type: none"> - overdraftLimit: double
<ul style="list-style-type: none"> + CheckingAccount() + CheckingAccount(newId: int, newBalance: double, overdraftLimits: double) + setOverdraftLimit(overdraftLimit: double): void + getOverdraftLimit(): double + withdraw(amount: double): boolean + toString(): String

SavingsAccount
<ul style="list-style-type: none"> + SavingsAccount() + SavingsAccount(newId: int, newBalance: double) + withdraw(amount: double): boolean

Course
<ul style="list-style-type: none">- courseName: String- students: ArrayList<String>- numberOfStudents: int
<ul style="list-style-type: none">+ Course(courseName: String)+ getCourseName(): String+ addStudent(student: String): void+ dropStudent(student: String): void+ getStudents(): String[]+ getNumberOfStudents(): int