## Triangle

-side1: double -side2: double -side3: double

+Triangle()

+Triangle(side1: double, side2: double, side3: double)

+Triangle(side1: double, side2: double, side3: double, color:

String, filled: boolean) +getSide1(): double

+setSide1(side1: double): void

+getSide2(): double

+setSide2(side2: double):void

+getSide3(): double

+setSide3(side3: double):void

+getArea(): double +getPerimeter(): double +toString(): String

## GeometricObject

-color: String -filled: boolean

-dateCreated: java.util.Date

+GeometricObject()

+GeometricObject(color: String, filled: boolean)

+getColor(): String

+setColor(color: String): void

+isFilled(): boolean

+setFilled(filled: boolean): void +getDateCreated(): java.util.Date

+toString(): String

## Account

-id: int

-balance : double

-annualInterestRate: double

-dateCreated : Date

+Account()

+Account (id, balance)

+getId (): int

+updateId( id: int ): void +getBalance (): double

+updateBalance (balance: double): void

+getAnnualInterestRate (): double

+updateAnnualInterestRate (annualInterestRate: double): void

+getDate(): Date

+getMonthyInterestRate(): double +getMonthyInterest(): double

+withdraw(withdrawAmount: double ): void +deposit (depositAmount: double ): void

+toString(): String

+getDateCreated(): Date





SavingsAccount	CheckingAccount
-id: int -balance : double -annualInterestRate: double	-id: int -balance : double -annualInterestRate: double -overdraftLimit: double
+SavingsAccount() +SavingsAccount (b: double, interest:double) +SavingsAccount(idnumber: int, b: double, interest: double){ +getId(): int +setId (newId: int): void +getBalance(): double +setBalance(newBalance: double): void +withdraw(w: double): double +deposit(d: double): double +getAnnualInterestRate(): double +setAnnualInterestRate (newAnnualInterestRate: double): void +getMonthlyInterestRate(): double +getMonthlyInterest(): double +toString (): String	+CheckingAccount (b: double, interest:double, overdraft:double) +CheckingAccount(idnumber: int, b: double, interest: double, overdraft:double){ +getId(): int +setId (newId: int): void +getBalance(): double +setBalance(newBalance: double): void +withdraw(w: double): double +deposit(d: double): double +getAnnualInterestRate(): double +setAnnualInterestRate (newAnnualInterestRate: double): void +getMonthlyInterestRate(): double +getMonthlyInterest(): double +getMonthlyInterest(): double +getMonthlyInterest(): double

## Course

-courseName: String

-students: ArrayList<String>
-numberOfStudents: int

+Course(courseName: String) +getCourseName(): String

+addStudent(student: String): void +dropStudent(student: String): void +getStudents(): ArrayList<String> +getNumberOfStudents(): int

+clear(): void