GeometricObject

- color: String
- filled: Boolean
- dateCreated: Date

- GeometricObject()
- GeometricObject(color: String, filled: Boolean)
- getColor(): String
- setColor(color: String)
- isFilled(): Boolean
- setFilled(filled: Boolean)
+ getDateCreated(): Date
+ toString(): String

Triangle

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

+ Triangle()
+ Triangle(side1: double, side2: double, side3: double)
+ getSide1(): double
+ getSide2(): double
+ getSide3(): double
+ setSide1(side1: double)
+ setSide2(side2: double)
+ setSide3(side3: double)
+ getArea(): double
+ getPerimeter(): double
+ getDateCreated(): Date
+ toString(): String

Account

- id: int
- balance: double
- <u>annualInterestRate: double</u>
- dateCreated: Date

+ Account()
+ Account(id: int, balance: double)
+ setId(id:int)
+ getId(): double
+ setBalance(balance: double)
+ getBalance(): double
+ <u>getAnnualInterestRate(): double</u>
+ <u>setAnnualInterestRate(annualInterestRate: double)</u>
+ getDateCreated(): Date
+ getMonthlyInterest(): double
+ getMonthlyInterstRate(): double
+ withdraw(amount: double)
+ deposit(amount: double)
+ toString(): String

SavingsAccount

+ overdraft: double
+ overd: double

+ SavingsAccount()
+ SavingsAccount(balance: double)
+ checking(withdraw: double)
+ toString(): String

CheckingAccount

+ overdraftlimit: double

+ CheckingAccount()
+ CheckingAccont(balance: double)
+ toString(): String

Course
- courseName: String - students: ArrayList<String>
+ Course(courseName: String) + addStudent(student: String) + getStudents(): String[] + getNumberOfStudents(): int + getCourseName(): String + dropStudent(student: String) + clear()