11.1:

GeometricObject:

GeometricObject

-color: String -filled: boolean

-dataCreated: 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

Triangle:

Triangle

+side1: double +side2: double +side3: double

+Triangle()

+Triangle(s1: double, s2: double, s3: double)

+getSide1(): double +getSide2(): double +getSide3(): double +getArea(): double +getPerimeter(): double

+toString(): String

11.3:

Account:

Account

-id: int

-balance: double

-annualInterestRate: double

-dateCreated: Date

Account()

Account(ident: int, initialBal: double)

+getId(): int

+setId(newId: int): void +getBalance(): double

+setBalance(newBalance: double): void

+getAnnualInterestRate(): double

+setAnnualInterestRate(newRate: double): void

+getDateCreated(): Date

+getMonthlyInterestRate(): double

+getMonthlyInterest(): double

+withdraw(remove: double): double

+deposit(add: double): double

+toString(): String

Checking:

Checking

-overdraftLimit: double

Checking()

Checking(over: double, id: int, bal: double)

+getOverdraftLimit(): double

+setOverdraftLimit(newOver: double): void

+withdraw(remove: double): double

+toString(): String

Savings:

Savings

Savings()

Savings(id: int, bal: double)

+withdraw(remove: double): double

11.5: Course:

Course

-courseName: String

-students: ArrayList<String>
-numberOfStudents: int

+Course(courseName: String)

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

+getNumberOfStudents(): int

+getCourseName(): String

+dropStudent(student: String): void

+clear(): void