Account
-ID();int -annualInterestRate();double -balance();double
+getID();int +setId(int id) +getAnualInterestRate():double +setAnnualinterestRate(double); void +getDateCreated();Date +setDateCreated(Date);void Account(); Account(int, double, double, Date); +Account(Date) +getMonthlyInterestRate();double +getMonthlyInterest();double +withdraw(double); double +deposit(double);double +getBalance();double +setBalance(double);void

CheckingAccount
-overdraftLimit();double
CheckingAccount(); CheckingAccount(double); +getOverdrawnAmount();double

SavingsAccount
-overdraftLimit();double
SavingsAccount(); SavingsAccount(double); +withdraw(double amount): double

GeometricObjecto
-color();String -filled();boolean -dateCreated();Date

```
+GeometricObjecto();
+GeometricObjecto(String, boolean);
+getColor();String
+setColor(String);void
+isFilled();boolean
+setFilled(boolean);void
+getDateCreated();java.util.Date
+toString();String
```

```
Triangle

-side1();double
-side2();double
-side3();double

Triangle();
Triangle(double, double, double)
+getSide1();double
+setSide1(double);void
+getSide2();double
+setSide2(double);void
+getSide3();double
+setSide3(double);void
+getArea();double
+getPerimeter();double
+toString();String
```

```
CourseWithArrayList

-courseName();String
-students(); ArrayList<String>

+CourseWithArrayList(String);
+addStudent(String);void
+getCourseName();String
+getStudents();ArrayList<String>
+getNumberOfStudents();int
+dropStudent(String);void
```