

Molly Smith  
Dr. Arias  
Software Development 1  
3/29/17

Lab 7

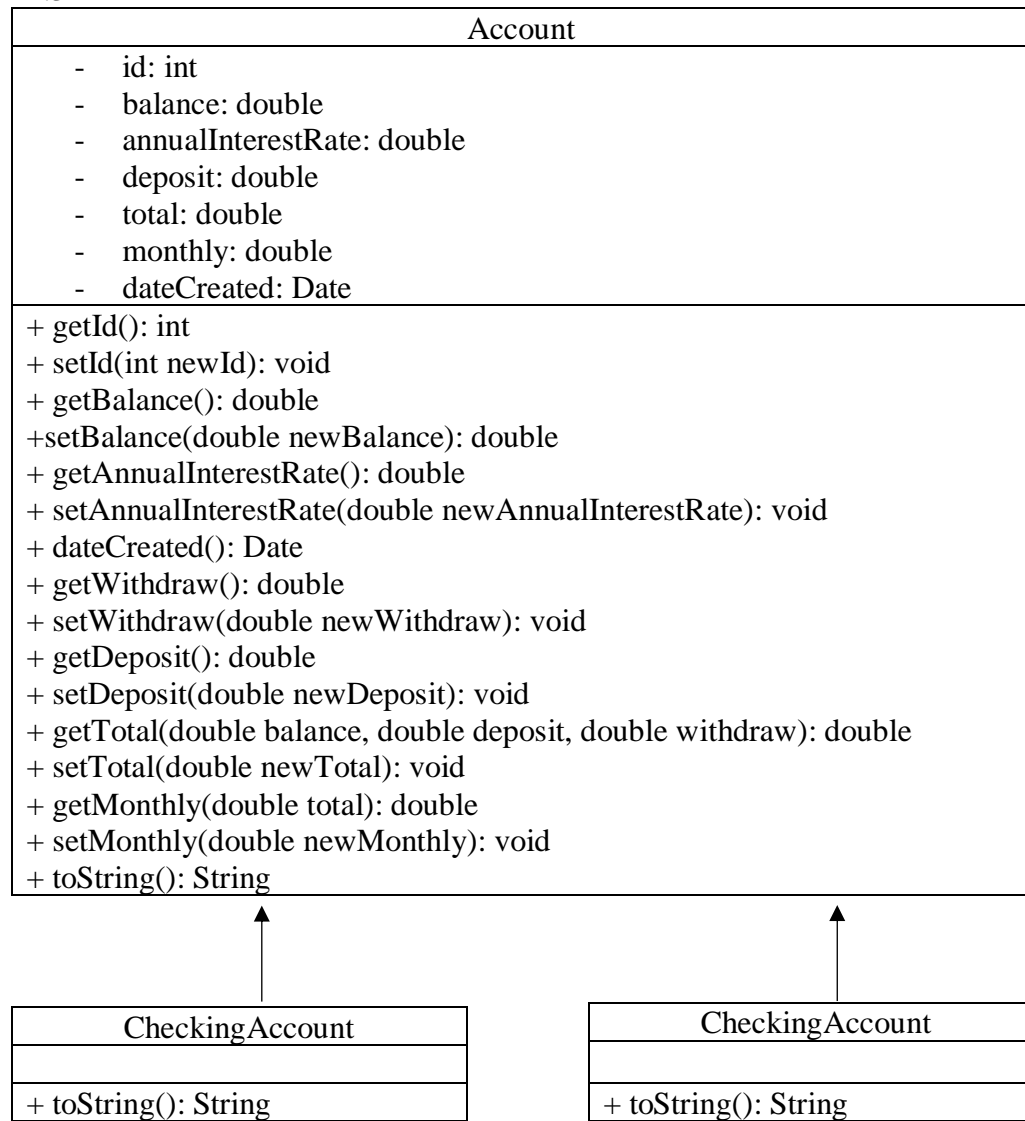
11.1

GeometricObject
<ul style="list-style-type: none"><li>- color: String</li><li>- filled: boolean</li></ul>
<ul style="list-style-type: none"><li>+ GeometricObject()</li><li>+ GeometricObject(color: String, filled: boolean)</li><li>+ getColor(): String</li><li>+ setColor(color: String): void</li><li>+ isFilled(): boolean</li><li>+ setFilled(filled: boolean): void</li><li>+ toString(): String</li></ul>



Triangle
<ul style="list-style-type: none"><li>- side1: double</li><li>- side2: double</li><li>- side3: double</li></ul>
<ul style="list-style-type: none"><li>+ Triangle()</li><li>+ Triangle(side1: double, side2: double, side3: double)</li><li>+ Triangle(side1: double, side2: double, side3: double, color: String, filled: boolean)</li><li>+ getSide1(): double</li><li>+ getSide2(): double</li><li>+ getSide3(): double</li><li>+ setSide1(side1: double): void</li><li>+ setSide2(side2: double): void</li><li>+ setSide3(side3: double): void</li><li>+ getArea(): double</li><li>+ getPerimeter(): double</li><li>+ printTriangle(): void</li></ul>

## 11.3



11.5

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