Assignment 1

Due Thursday Sept 29 at the start of class

A data class is a class that does not have any operations on it data, not counting any accessor methods. For example in Java:

```java
class Foo {
    public int age;
    public String name;
}
```

The class will still be data class if we make the fields private and add accessor (get and set) methods. If a class has 10 fields, assessor methods and one accessor method then it still is basically a data class.

A helper method is a method in a class that only uses the values of its arguments. It does not access any fields in the class.

Pick one of your sizable assignment/projects from a previous course that uses an OO language.

1. Count the total number of classes and the total number of data classes in the assignment/project.

2. For each class count how many accessor methods, helper methods and other methods. Create a table with the results. One row for each class. Have a column for each type of method (accessor, helper and other). So you will end up with a table like

<table>
<thead>
<tr>
<th>Class</th>
<th>Accessor</th>
<th>Helper</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foo</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Bar</td>
<td>3</td>
<td>5</td>
<td>8</td>
</tr>
</tbody>
</table>

Note if you don’t have a previous assignment/project select 5 classes from the Java OCR open source project at: http://sourceforge.net/projects/javaocr/