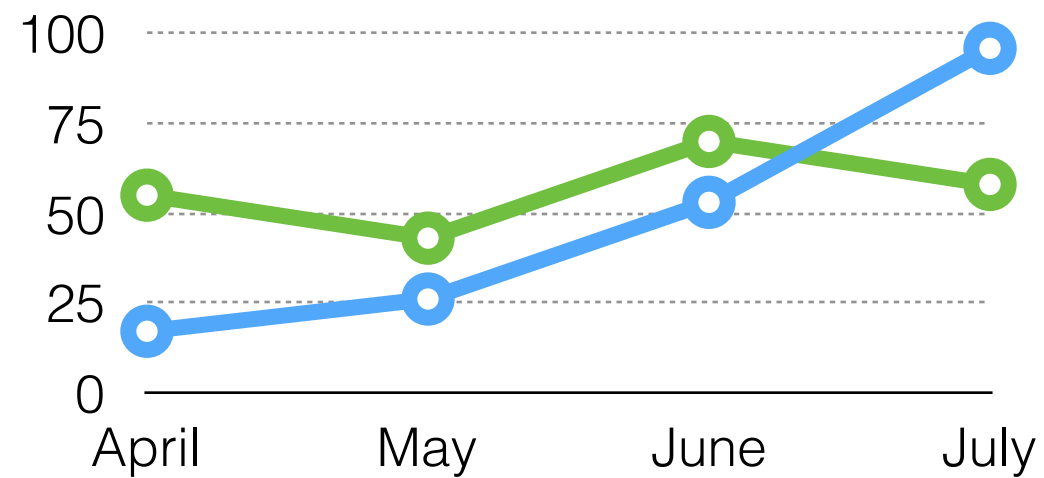


HW9

Making software for Serious Business ®



look at my profits

Setting up Eclipse

- Make sure you have the latest JDK, otherwise JavaFX freaks out (I have 1.8)
- Add Apache POI Jars
- Change the access rules (in the HW) to allow javafx/**
- If you don't, you get this incredibly helpful error message from Eclipse:
“Access restriction: the type ‘Application’ is not API (restriction on required library ...)”

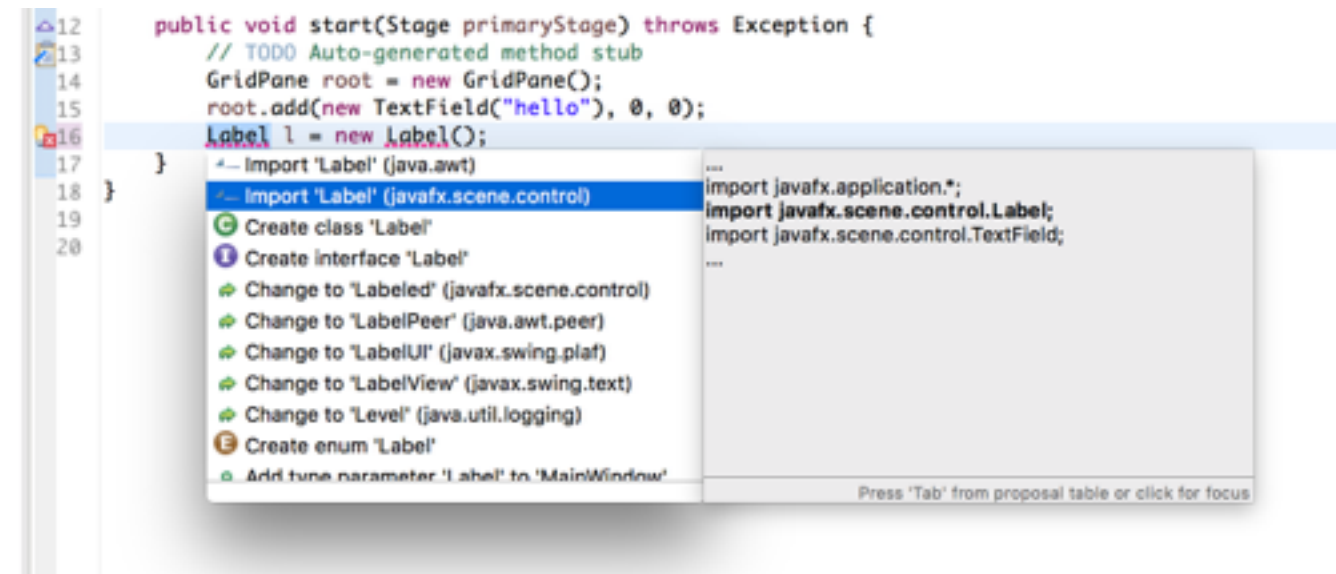
Other IDEs are also allowed

- Such as IntelliJ, which is awesome
- (I always use this one)
- Ultimate edition free for students, Community edition free for everyone



Importing stuff the easy way

- Type a class, click the error message when it can't find it, then make Eclipse import it



Eclipse

- IntelliJ does this while you're typing

(Depending on where you type it, it's also smart enough to use javafx and not java.awt)

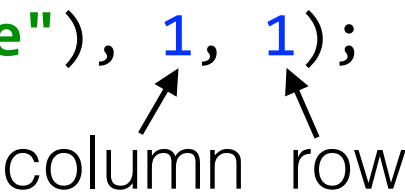


IntelliJ

JavaFX basics

- At least do the hello world tutorial:
http://docs.oracle.com/javafx/2/get_started/jfxpub-get_started.htm
- Classes you might need:
 - **GridPane**: arrange things by row/column. Dynamically resizes based on content

```
GridPane pane = new GridPane();  
pane.add(new Label("some file"), 1, 1);
```



column row
 - Button, Label, FileChooser, DirectoryChooser
 - actually, that's pretty much it...

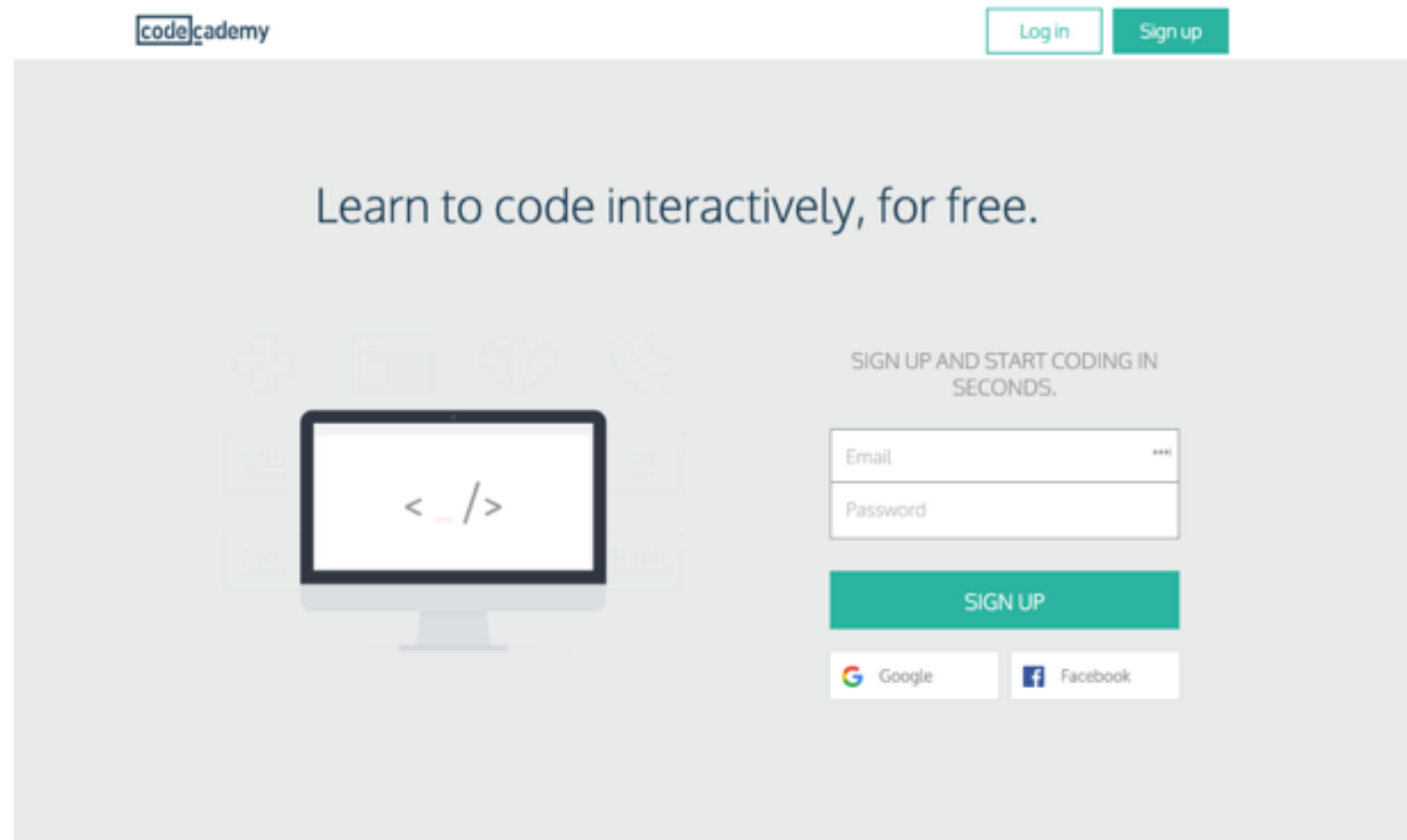
Apache POI

- You might need the latest version if something breaks on your own machine (Latest stable release: 3.13)
- XSSFWorkbook is your friend
- <https://poi.apache.org/spreadsheet/quick-guide.html>
- for-each loop friendly

```
for (Sheet sheet : xlsx_file) {  
    for (Row row : sheet) {  
        for (Cell cell : row) {  
            System.out.println(cell);  
        }  
    }  
}
```
- The POI libraries throw plenty of exceptions during errors (nonexistent file, badly formatted file, unexpected cell formatting), which makes your life easier
- Enjoy reading the docs

Part III: Use Code Academy to learn HTML+CSS

- Easier than it sounds
- You only need a few basic tags, like `<html>`, `<body>`, `<br />`, `<img>`
- Be sure to use `<style>` and embed some CSS



How can coding help you?

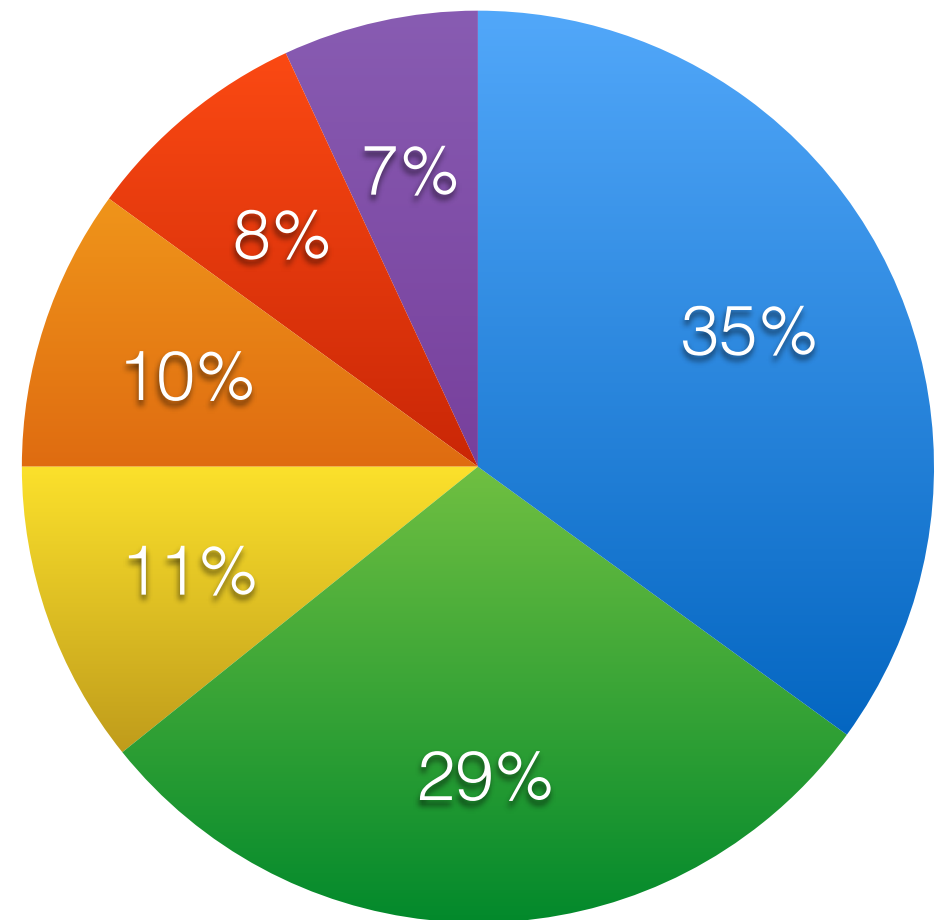
Tommy lost his job to automation. Instead of living off disability, watching Fox News all day, and blaming immigrants, Tommy learned to code. Now, Tommy can sleep at night knowing he'll be safe when automation displaces an obscene amount of jobs.



Questions

Java for serious business

- <https://github.com/EnterpriseQualityCoding/FizzBuzzEnterpriseEdition>
- proactively disintermediate future-proof fungibility
- efficiently fashion efficient manufactured products
- seamlessly foster client-focused innovation
- progressively scale adaptive information
- conveniently engage leading-edge niches
- proactively redefine business action items
- synergistically fashion seamless niche markets
- professionally expedite impactful clouds
- progressively cloudify corporate alignments



this is a pie chart