PROJECT

STAY LATE AND CODE

DATE 26FEB2019

CLIENT ANNA GAPUZ

Agenda

- Verify Installation
- Brief Overview
- Coding
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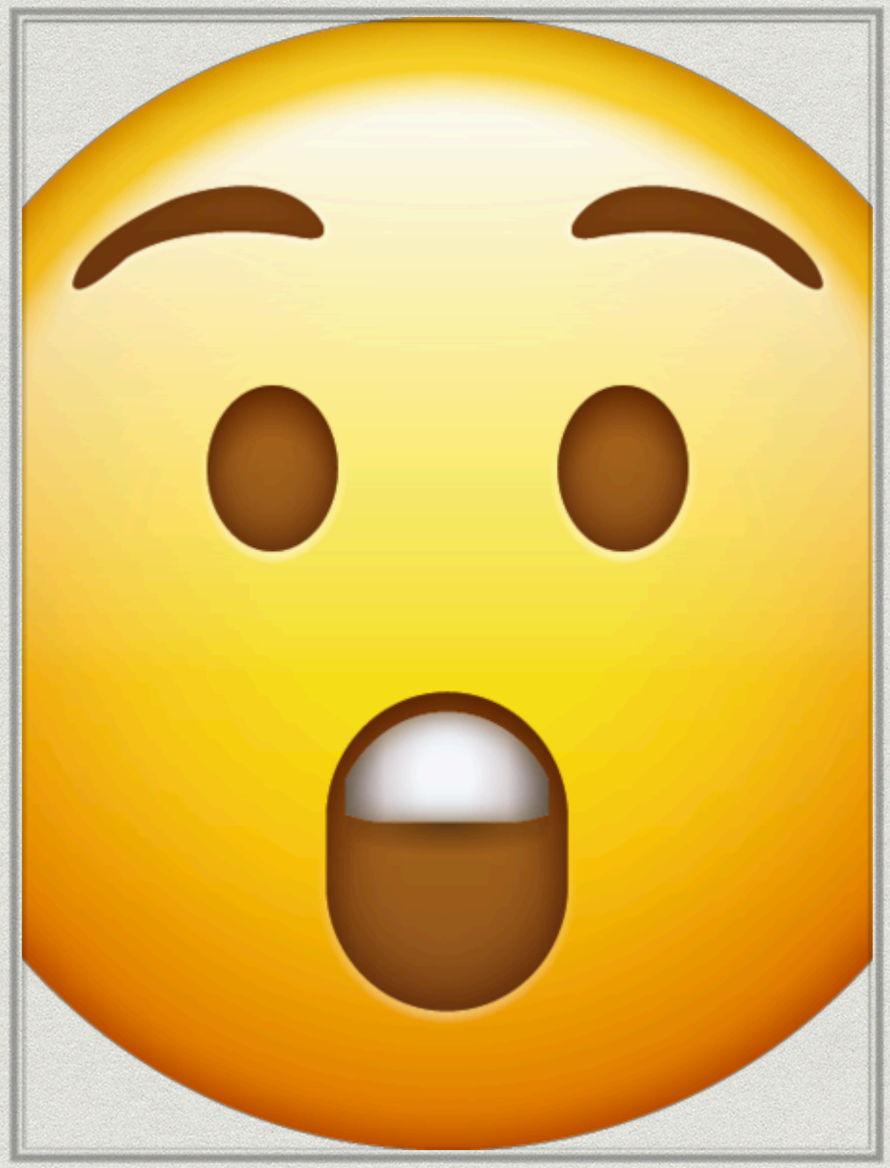
Fannie Mae Laptop

- You can use your Fannie Mae laptop for this SLAC session, although you may hit a few roadblocks with dependency versions
- Use Spring Boot 2.1.0.RELEASE



Pre-Requisites

- Java 8

```
~ $ java -version
java version "1.8.0_144"
Java(TM) SE Runtime Environment (build 1.8.0_144-b01)
Java HotSpot(TM) 64-Bit Server VM (build 25.144-b01, mixed mode)
```

- Maven 3.3.x

```
~ $ mvn -version
Apache Maven 3.5.0 (ff8f5e7444045639af65f6095c62210b5713f426;
 2017-04-03T15:39:06-04:00)
```

- You may have to add JAVA and/or MAVEN to your classpath to run from a terminal or command prompt

```
JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home
export JAVA_HOME
MAVEN_HOME=/adobo/software/apache-maven-3.5.0
export MAVEN_HOME

export PATH=$MAVEN_HOME/bin:$PATH
```

- Java IDE, e.g. Eclipse, IntelliJ
- HTTP client, e.g Postman

Why Spring Boot?

In case anyone asks if you've learned anything today

- 1st Reason: Rapid application development with a best-of-breed stack, with several ways to configure and/or override
- 2nd Reason: Reduction of boilerplate code, e.g. reading in a properties file to a Singleton class
- 3rd Reason: Speed to Production
- 4th Reason: Microservice- and Container-friendly

Let's Just Start

- Start from documentation
  - http://spring.io/projects/spring-boot
- Start with Spring Initializr *(much easier)*
  - https://start.spring.io

Lab Progression

- All labs are located at
  - https://github.com/amgapuz/slac-spring-boot
- Each lab can be a new project, or can be cumulatively added on to the previous lab, unless otherwise noted