**JDK 8**

* Install the Java SE Development Kit 8. The latest update is version 231 [here](https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html)

**MySQL (If we use a database)**

* Download and install MySQL. (Included with MAMP for Windows/MacOS) <https://www.mamp.info/en/>
  + - * + So you can actually test the project with live database model & data

**Tomcat 8**

* Download and install Tomcat 8.5 from [https://tomcat.apache.org](https://tomcat.apache.org/download-80.cgi)
  + - * + Allows you to run/test the program in your local browser as if you were getting the webpages from a web server

**Spring Tools Suite**

* Download the Spring Tools 4 bundle from <https://spring.io/tools>. This IDE has the tools/integration needed for this project

**Install the Web and Java EE tools**

* 1. Go to *Help* | *Install New Software*.
  2. In the *Work with...* dropdown, select the most recent Eclipse download site (which will look something like <http://download.eclipse.org/releases/2018-09>)
  3. When the list of available bundles refreshes, choose *Web, XML, Java EE, and OSGi Enterprise Development*.
  4. Click **Next**, **Next**, accept the terms of the license agreements, then **Finish**.
  5. STS will download the software, install it.
     + You will be prompted to restart Eclipse.

**Install STS3 Features**

* + - 1. Enter sts in the *Find* field and search.
      2. Find the *Spring Tools 3 Add-On (aka Spring Tool Suite 3)* and click **Install**.
      3. **Confirm**.
      4. Accept the license agreements.
      5. **Finish**

**Configure Tomcat 8 Server**

* + - 1. *Window* | *Show View* | *Other...* and enter *servers* in the filter field.
      2. Servers: Click to create a new server
      3. *Apache* | *Tomcat 8.5 Server*, **Next**
      4. Tomcat installation directory: **Browse** to your ~/Java/apache-tomcat-8.5.x **Open**
      5. **Finish**
      6. Double-click on the new server in the Servers view.
      7. *Overview* | *Server Locations* | **Use Tomcat installation** (second radio button)
      8. **Cmd-S** to save, then close the Server Overview page.