IntelliJ Servlet Application Setup

General Setup

Note that if you created the project yourself, you can probably skip this part, however, if you cloned the project, you will need to:

1. Set the project SDK
   a. File -> Project Structure
   b. For "Project SDK", choose the version of Java you are using
2. Add the `pom.xml` as a Maven project
   a. Right click on the `pom.xml`
   b. Select "Add as Maven Project"

   When IntelliJ recognizes the project as being managed by maven, you'll see an "m" icon to the left of the `pom.xml`
3. Mark the `src/main/java` directory as sources root
   a. Right click on the `java` directory
   b. Select "Mark Directory as..."
   c. Select "Sources Root"

Run Configuration

Tell IntelliJ about `tomcat`

We need to tell IntelliJ about the local installation of tomcat that we have. We only need to do this process once, and in the future we can reference the

tomcat installation we have setup. If you get a new computer, or wipe your harddrive, you would need to re-do this process, otherwise, you only need to do this once.

1. In Intellij, Run -> Edit Configurations...

2. Create a new configuration (click the `+`) -- "Tomcat - local"

3. For the "Name", enter a description of your project, for example, "Adlister Server"

4. Next to "Application Server", click configure

5. In the dialog that opens, you will need to provide IntelliJ with the path to your local tomcat install.

   If you installed tomcat with brew (if you ran the codeup setup script you did), the path to your tomcat install will be:

   ```
   /usr/local/Cellar/tomcat/x.x.x/libexec/
   ```

   Where `x.x.x` is the version of tomcat.

   To find which version of tomcat you have installed, run:

   ```
   ls /usr/local/Cellar/tomcat
   ```

   You might see output that looks like

   ```
   8.5.23
   ```

   So overall the path might be

   ```
   /usr/local/Cellar/tomcat/8.5.23/libexec/
   ```

   Note that your might have a different version number.

If you've already configured tomcat:

1. Run -> Edit Configurations...

2. Create a new configuration (click the `+`) -- "Tomcat - local"

3. Choose a name that describes your project

4. For "Application Server", choose the version of tomcat you setup previously

Configure a `war` to be deployed

Under the tomcat run configuration you just created:

1. At the bottom of the dialog under "Before launch:"

2. Choose "Build Artifacts"

3. Check the name of your project + `:war exploded`

4. Check under the deployment tab, at the bottom find the input `Application context` the value there should be just `/`

The application will be available at http://localhost:8080 [http://localhost:8080/]