**This is less of a design doc and more of a developers guide.**

**Installing and setting up wildfly 10. This is pretty much for windows but I don’t think it would be that hard to figure out how to do it for MAC or Linux.**

1. Go to <http://wildfly.org/downloads/> and download version 10.1.0.Final.
2. Extract the zip file.
   1. The file path must not have any spaces in it.
3. Test the installation of wildfly.
   1. Navigate to <wildfly directory>\bin
   2. Click on standalone.bat.
   3. A cmd window will open and a ton of stuff will display on it over a period of time. depending on the computer it may take a bit to start up.
   4. Now in a web browser go to <http://localhost:8080>
   5. The page displayed will be something about wildfly which indicates that the server is running.
   6. Stop the server using **ctrl—c**.
   7. The cmd window will ask if you want to terminate the job just type **Y** and press **Enter**.
4. Now that that is done let’s have some real fun.
5. Depending on your version of eclipse you may have to install some stuff just google something about jBoss tools
6. Also make sure that you have Java EE installed.
7. Click the servers tab at the bottom of the screen where the console and other stuff like that is.
8. Click the **new server wizard** button.
   1. A window will appear and guide you through the set up. I don’t think it matters what you name your server but just leave the host name as local host and you will have to point eclipse to the location where you unzipped wildfly.
   2. Also if the setup wizard yells at you about not having a jdk installed go to <https://stackoverflow.com/questions/998260/how-do-you-install-jdk/998643> and look at the answer right after the “correct” answer. Then select an alternate jre for the server. Im running jdk 1.8.80 I think but that can change I suppose.
9. Now if you right click on the server in the servers tab and select **start** it will start up like it did in the cmd window.
10. Setting up wildfly is done and we are ready to set up the rest of the development environment.

**Setting up the development environment**

1. Click the **File** button in eclipse.
2. Click the **New** button and select **Other**
   1. Or just hit the **new** button under the **File** menu option :D
3. Locate the **Web** folder and select **Dynamic Web Project**.
   1. Click **Next.**
   2. Name the project **TeamProjectsServer**
      1. The name is important because this will be a part of the URL for the web service. So **consistency** is key.
4. Click the **Modify** button in the **Configuration** section
5. Select **JAX-RS (REST Web Services) 1.1** and click **Ok.**
6. Everything else on that page should stay the same. Just make sure that the **Target Runtime** is the wildfly 10 server you installed earlier
7. Click next until it asks you if you wanna generate some sort of web.xml file and DO IT!
8. Click **Finish.**
9. Ok so now there is an empty project that is ready to be used.
10. DELETE the src package from the project. This package is in the **Java Resources** file.
11. Now right click on the **TeamProjectsServer.**
12. Select **Build Path 🡪 Configure Build Path.**
13. Click the **Source** Tab
14. Click **Link Source** Button.
15. Browse to wherever your github repository is and select the src folder for the server project.
16. Now you are ready to code and stuff. If you all have any questions about this we can discuss it in class or just ask.