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**CSE 4344 – 900 Project 1 README**

**Instructions to run the program:**

Download the zip file and unzip it. Open the terminal of your computer. Locate to the directory where this folder is saved on the terminal using ‘cd’ commands. Once you have reached the folder with the .java file of this assignment in the terminal, type the following commands:

*javac WebServer.java*

*java WebServer*

This will run the program. It will establish a socket and listen for any connection on the port 6789. Now, go to your web browser and search for <http://localhost:6789/index.html>. If the file exists on your server i.e., the index.html file, then it will show a success message. If the file doesn’t exist, then it will say file not found. I have added the index.html file in the folder so the file not found error wouldn’t show.

**Instructions to generate .JAR file:**

In the terminal of your computer, use cd to reach the directory of this folder. Then in the terminal enter javac WebServer.java and then jar -cvf WebServer.jar WebServer.java. This will create a WebServer.jar file.

**Outgoing and Incoming HTTP responses:**

**Text

Description automatically generated**

**Text

Description automatically generated**

**Reference:**

1. <https://www.codejava.net/java-se/networking/java-socket-server-examples-tcp-ip>
2. <https://stackoverflow.com/questions/10788125/a-simple-http-server-with-java-socket>
3. <https://javarevisited.blogspot.com/2015/06/how-to-create-http-server-in-java-serversocket-example.html>
4. <https://medium.com/@ssaurel/create-a-simple-http-web-server-in-java-3fc12b29d5fd>
5. https://www.net.t-labs.tu-berlin.de/teaching/computer\_networking/ap01.htm