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Github URL: https://github.com/davidws22/CS380-EX8

Source:

WebServer.java

```java
/
******************************************************************************
*
 *      file: WebServer.java
 *      author: Daniel Spencer, David Shin
 *      class: CS 380 - computer networks
 *
 *      assignment: Exercise 8
 *      date last modified: 11/30/2017
 *
 *      purpose: In this exercise, we will create a simple web server.
 *

******************************************************************************
*/

import java.net.*;
import java.io.*;

public class WebServer {
    public static void main(String[] args) throws Exception {
        try(ServerSocket sSocket = new ServerSocket(8080)) {
            System.out.println("Server Socket Port 8080");
            while(true) {
                try(Socket socket = sSocket.accept()) {
                    PrintStream out = new PrintStream(socket.getOutputStream(),
true, "UTF-8");
                    InputStreamReader isr = new
InputStreamReader(socket.getInputStream(), "UTF-8");
                    BufferedReader br = new BufferedReader(isr);
                    String firstLine = br.readLine();
                    System.out.println(firstLine);
                    while(br.ready())
                        {
                            System.out.println(br.readLine());
                        }
                    String[] str = firstLine.split(" ");
                    File inputFile = new File("." + str[1]);
                    if(inputFile.isFile()) {
                        BufferedReader file = new BufferedReader(new
FileReader(inputFile));
                        out.println("HTTP/1.1 200 OK");
                        out.println("Content-type: text/html");
                        out.println("Content-length: " + inputFile.length() +
"\n");
                        while(file.ready())
                            out.println(file.readLine());
                    }
                    else {
                        File FileNotFound = new File("Notfound.html");
```

```java
                            BufferedReader NotFound = new BufferedReader(new
FileReader(FileNotFound));
                            out.println("HTTP/1.1 404 Not Found");
                            out.println("Content-type: text/html");
                            out.println("Content-length: " + FileNotFound.length() +
"\n");
                            while(NotFound.ready())
                                out.println(NotFound.readLine());

                    }
                }
            }
        }
    }
}
```

Notfound.html

```html
<html>
  <head>
      <title>Not Found</title>
  </head>
  <body>
      Sorry, the object you requested was not found.
  </body>
<html>
```

hello.html

```html
<html>
  <head>
    <title>Hello, World!</title>
  </head>
  <body>
    <p>
      Hello, World!
    </p>
  </body>
  <html>
```