
WebServer.java

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import java.io.BufferedReader;
import java.io.File;
import java.io.FileNotFoundException;
import java.io.InputStreamReader;
import java.io.PrintWriter;
import java.net.ServerSocket;
import java.net.Socket;
import java.util.Scanner;

public final class WebServer {

    public static void main(String args[]) {
        try (ServerSocket ss = new ServerSocket(8080)) {
            while (true) {
                try (Socket socket = ss.accept();) {

                    BufferedReader br = new BufferedReader(new
InputStreamReader(socket.getInputStream()));
                    PrintWriter pw = new PrintWriter(socket.getOutputStream(),
true);

                    String line = br.readLine();
                    String websiteName = "www" + line.split(" ")[1];
                    System.out.println(websiteName);
                    File file = new File(websiteName);
                    File file2 = new File("www/error.html");
                    Scanner sc;
                    try {
                        if (file.exists()) {
                            System.out.println("if happened");
                            sc = new Scanner(file);
                            pw.println("HTTP/1.1 200 OK");
                            pw.println("Content-type: text/html");
                            pw.println("Content-length: 124\n");
                            while (sc.hasNextLine()) {
                                pw.println(sc.next());
                                pw.flush();
                            }
                            sc.close();
                        } else {
                            System.out.println("else happened");
                            sc = new Scanner(file2);
                            pw.println("HTTP/1.1 404 Not Found");
                        }
                    }
                }
            }
        }
    }
}
```

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        pw.println("Content-type: text/html");
        pw.println("Content-length: 126\n");
        while (sc.hasNextLine()) {
            pw.println(sc.next());
            pw.flush();
        }
        sc.close();
    }
} catch (FileNotFoundException e) {
    System.out.println("Unauthorized Access");
}

pw.close();
br.close();
socket.close();
    }
}

} catch (Exception e) {
    System.err.println(e + "\n");
}

}

}

```