William Kenji Kiplinger

https://github.com/Kenjum/CS380-EX8/

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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");

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");

}

}

}