package ru.geekbrain;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.io.PrintWriter;

import java.net.ServerSocket;

import java.net.Socket;

import java.nio.charset.StandardCharsets;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

public class WebServer {

private static String WWW = "/Users/macbook/IdeaProjects/first-geek-web-server/www";

public static void main(String[] args) {

try (ServerSocket serverSocket = new ServerSocket(8080)) {

System.out.println("Server started!");

while (true) {

Socket socket = serverSocket.accept();

System.out.println("New client connected!");

new Thread(() -> handleRequest(socket)).start();

}

} catch (IOException e) {

e.printStackTrace();

}

}

private static void handleRequest(Socket socket) {

try (BufferedReader input = new BufferedReader(

new InputStreamReader(

socket.getInputStream(), StandardCharsets.UTF\_8));

PrintWriter output = new PrintWriter(socket.getOutputStream())

) {

while (!input.ready());

String firstLine = input.readLine();

String[] parts = firstLine.split(" ");

System.out.println(firstLine);

while (input.ready()) {

System.out.println(input.readLine());

}

Path path = Paths.get(WWW, parts[1]);

if (!Files.exists(path)) {

output.println("HTTP/1.1 404 NOT\_FOUND");

output.println("Content-Type: text/html; charset=utf-8");

output.println();

output.println("<h1>Файл не найден!</h1>");

output.flush();

return;

}

output.println("HTTP/1.1 200 OK");

output.println("Content-Type: text/html; charset=utf-8");

output.println();

Files.newBufferedReader(path).transferTo(output);

System.out.println("Client disconnected!");

} catch (IOException e) {

e.printStackTrace();

}

}

}