



Linnéuniversitetet
Kalmar Våxjö

Report

Assignment 2

IDV701

Author: Emelie Sevborn, August Rockström

Semester: Spring 2022

Email: es225cx@student.lnu.se

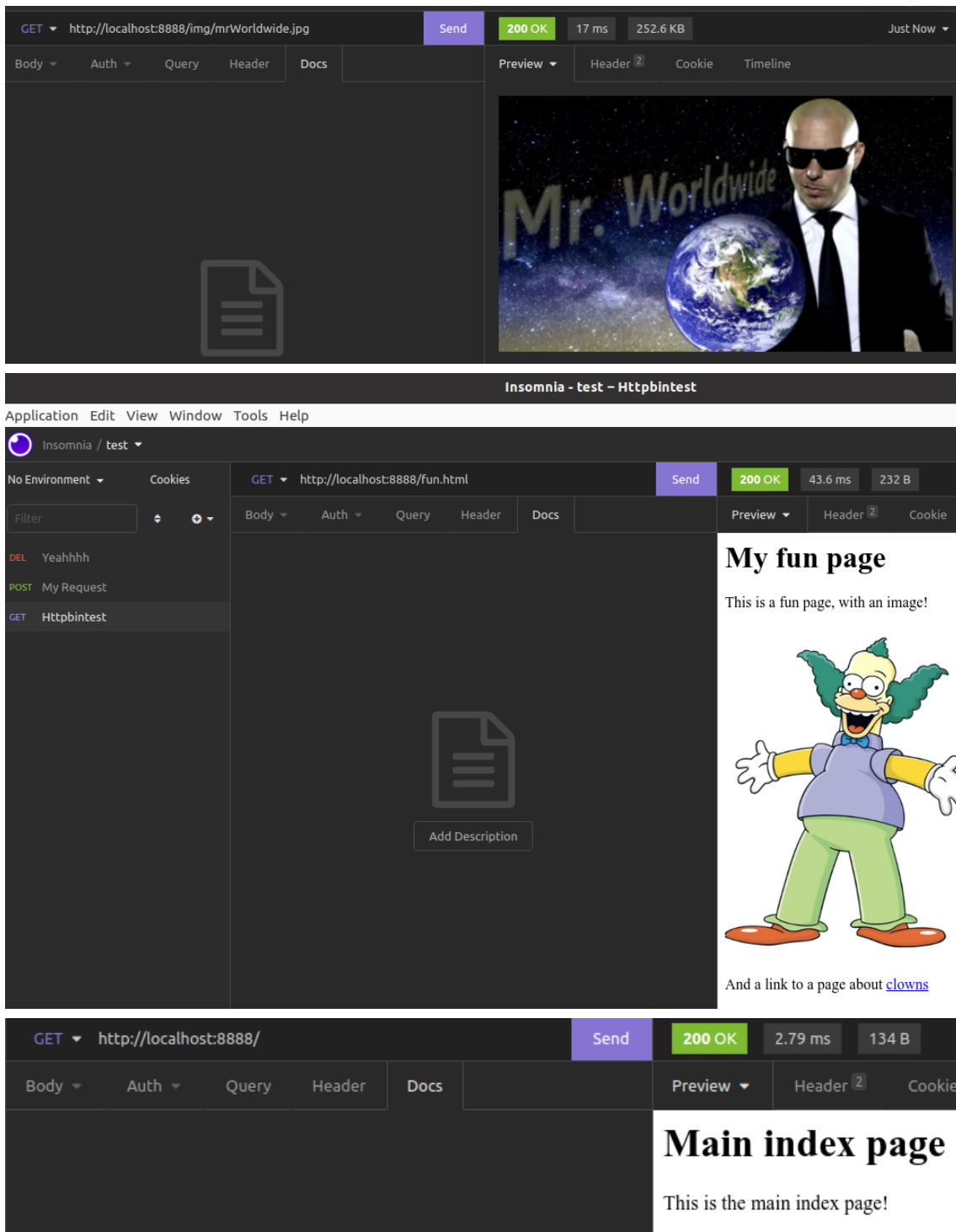
ar223ud@student.lnu.se



Contents

Problem 1	1
Discussion	1
Problem 2	1
Discussion	2
2.1.1 Testcase 302	2
2.1.2 Testcase 404	2
2.1.3 Testcase 500	2
VG	2
<i>Discussion</i>	2

1 Problem 1



1.1 Discussion

1.1.1 IOException

The program is built on a lot of IO interaction which requires this exception to be handled.

1.1.2 UnsupportedEncodingException

When converting from string to bytes we use the encoding *Cp852* to get the right format. Using encoding in this way requires an exception to be handled.

1.1.3 NumberFormatException

When passing the port number to the `ServerSocket` it is converted from string to int. If the string value is not solely integers this exception will be thrown.

1.1.4 IllegalArgumentException

In the main method this exception is thrown if the `String[]` arguments are not valid.

1.1.5 IndexOutOfBoundsException

When a POST request without any content is sent to the server this exception is thrown.

2 Problem 2

The first screenshot shows a GET request to `localhost:8888/a/b/b.html` resulting in a **302 Found** response. The response body contains the text "Fake c" and "Will this confuse the server?".

The second screenshot shows a DELETE request to `localhost:8888/a/b/b.html` resulting in a **500 Internal Server Error** response. The response body contains the text "Ohh nooo, you suck!".

The third screenshot shows a GET request to `localhost:8888/Escape.html` resulting in a **404 Not Found** response. The response body contains the text "Page not found, idiot!".

Below the third screenshot, a file explorer window is visible, showing the following files and folders:

name	Size	Modified	Star
public	9 items	13:29	☆
Escape.html	134 bytes	27 feb 2019	☆
test.java	913 bytes	13:12	☆
testa2.py	3,5 kB	14 feb	☆
WebServer.java	4,4 kB	18:11	☆

2.1 Discussion

2.1.1 Testcase 302

For this code a hardcoded alternate path was implemented, so that when a client requests */public/a/b/b.html* instead */public/a/b/c/c.html* is returned. To test this we opened insomnia and ran a GET-request for *b.html*.

2.1.2 Testcase 404

To test this code we sent a GET-request to our server from insomnia for a non-existing file.

2.1.3 Testcase 500

This code was implemented as a response for requests for which no support has been implemented, e.g DELETE and PATCH. To test it we sent a DELETE-request from insomnia.

2.2 VG

2.2.1 Discussion

We can handle POST-request with png and jpg images and successfully save this to a given or pre-set directory within the given top directory.