Linnéuniversitetet
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Report

Assignment 2
1DV701

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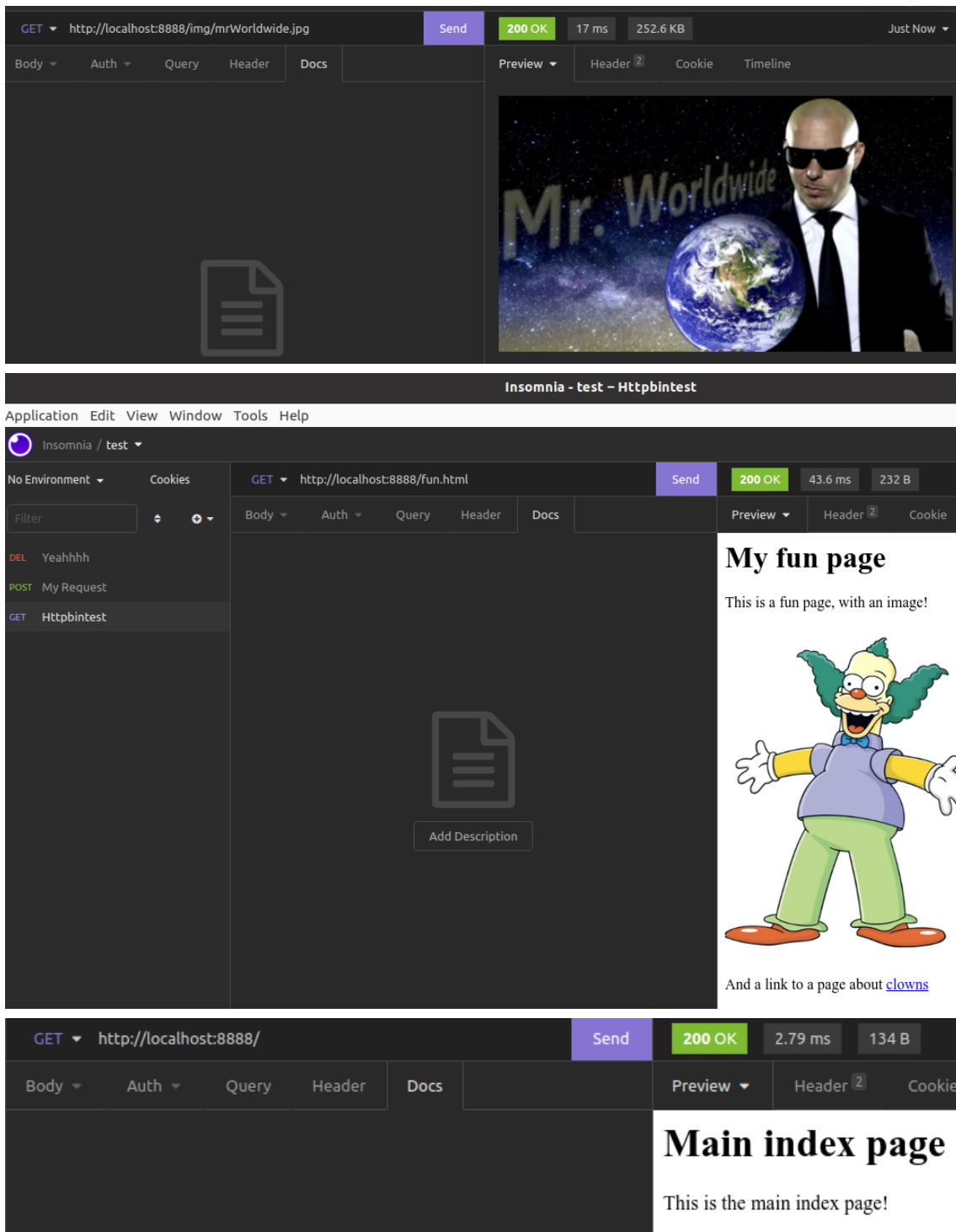ar223ud@student.lnu.se

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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

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.