



Linnéuniversitetet

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Report

Assignment 2

IDV701

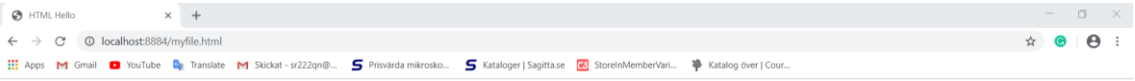
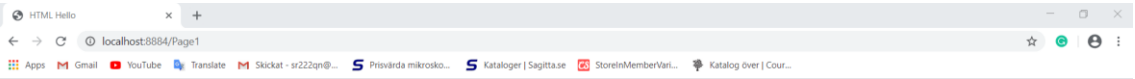
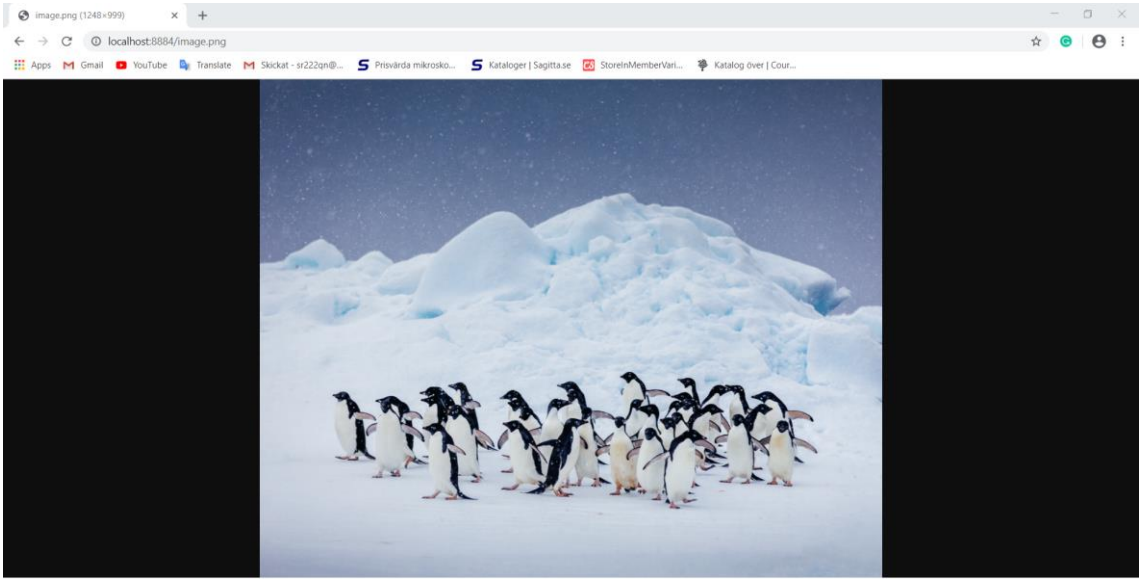


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1 Problem 1



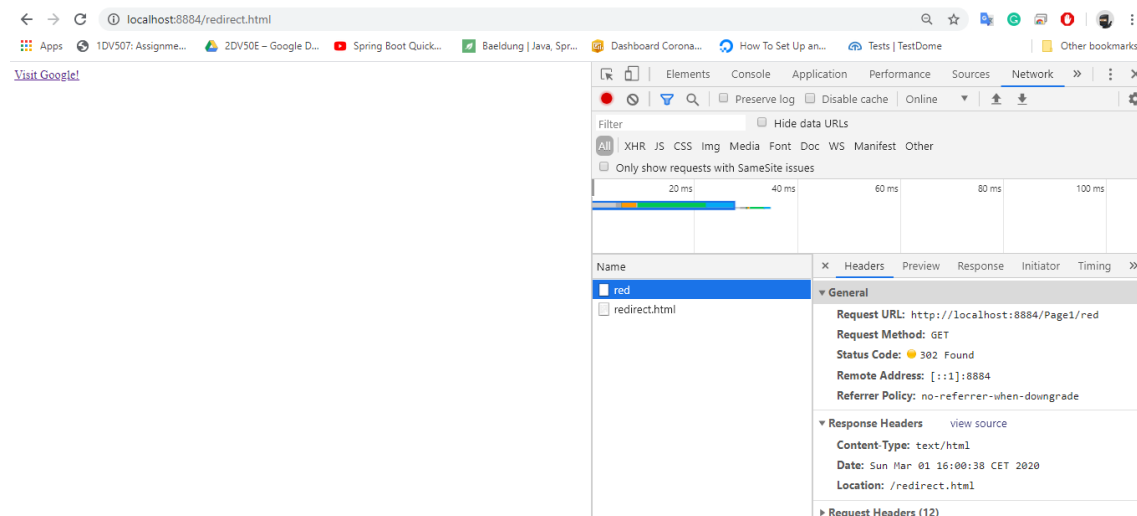
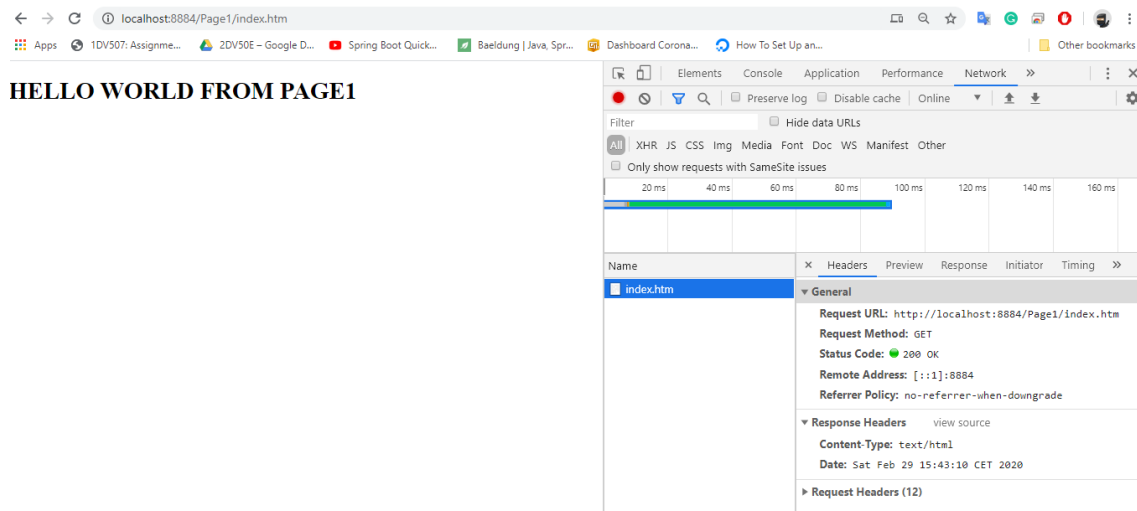
1.1 Discussion

In the first screenshot, it is requesting an image.

In the second screenshot, it is requesting a directory.

In the third screenshot, it is requesting a named HTML page.

2 Problem 2



localhost:8884/redirect.html

Visit Google!

Network

Filter: Hide data URLs

XHR JS CSS Img Media Font Doc WS Manifest Other

Only show requests with SameSite issues

20 ms 40 ms 60 ms 80 ms 100 ms

Name: red, redirect.html

General

Request URL: http://localhost:8884/redirect.html

Request Method: GET

Status Code: 200 OK

Remote Address: [::1]:8884

Referrer Policy: no-referrer-when-downgrade

Response Headers

Content-Type: text/html

Date: Sun Mar 01 16:00:38 CET 2020

Request Headers (12)

localhost:8884/Forbidden

Forbidden access

Network

Filter: Hide data URLs

XHR JS CSS Img Media Font Doc WS Manifest Other

Only show requests with SameSite issues

20 ms 40 ms 60 ms 80 ms 100 ms

Name: Forbidden

General

Request URL: http://localhost:8884/Forbidden

Request Method: GET

Status Code: 403 Forbidden

Remote Address: [::1]:8884

Referrer Policy: no-referrer-when-downgrade

Response Headers

Content-Type: text/html

Date: Sat Feb 29 16:03:45 CET 2020

Request Headers (12)

localhost:8884/test.html

File not Found !

Network

Filter: Hide data URLs

XHR JS CSS Img Media Font Doc WS Manifest Other

Only show requests with SameSite issues

20 ms 40 ms 60 ms 80 ms 100 ms

Name: test.html

General

Request URL: http://localhost:8884/test.html

Request Method: GET

Status Code: 404 Not Found

Remote Address: [::1]:8884

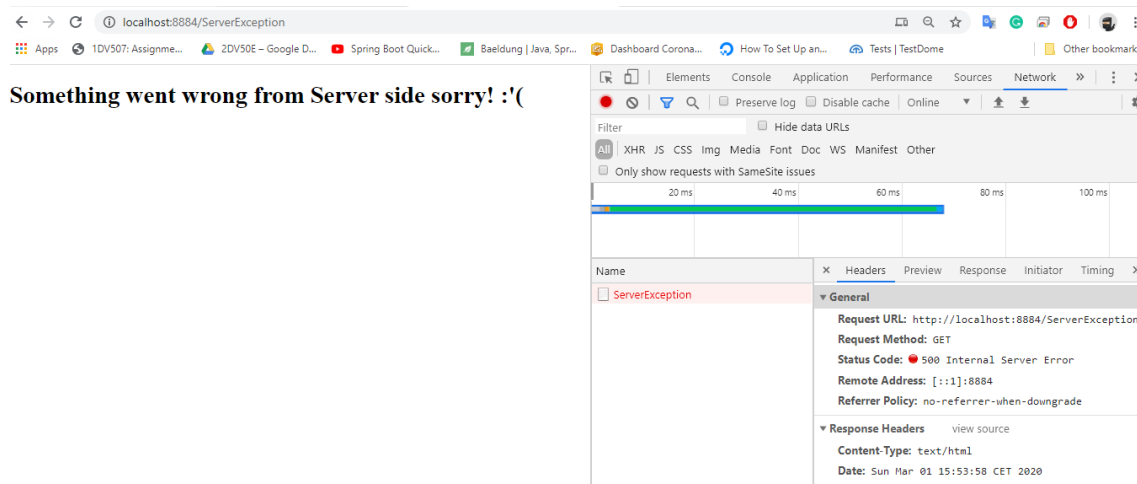
Referrer Policy: no-referrer-when-downgrade

Response Headers

Content-Type: text/html

Date: Sat Feb 29 16:07:14 CET 2020

Request Headers (12)



2.1 Discussion

Status code 200 OK:

This status represents a successful response header, some scenarios gives this status:

1. If the client sends a request with <http://localhost:8884/Page1/>

This will give status 200 if there is an “index.html” or “index.htm” file in that directory. That applies for all directories which have an “index.html” file.

2. If the client sends a request with “/” or without “/” at the end of the URL.
3. If the client sends a request with <http://localhost:8884/Page1/index.html> and the file exists there on the server.
4. Also, it applies to the “png” images type.

Status code 302:

This status represents redirecting to the new link response header.

I have tested It with that link <http://localhost:8884/Page1/red> then it will give this status response, and redirect the client to the new page with a new URL.

So, it gives 302 status code for the first request, as well 200 Ok for the redirection to the redirected HTML page, also I added new property which is “Location” as a header response for 302 status code.

Status code 403:

This status represents Forbidden access to the client because of some policy.

I have made a folder called “Forbidden” then I have tested it with the folder link <http://localhost:8884/Forbidden> then I send the client a forbidden HTML page with that header in the picture.

Status code 404:

This status represents File not found. When the client accesses a folder that is not found or a file that is not on the server.

I have tested it with <http://localhost:8884/test.html> because I do not have a test.html file on the server root folder.

Status code 500:

This status represents an error done on the server-side for some reason.

I have tested this status by throwing IOException and the catch block was responsible to create file HTML page and response header as 500 status.

2.2 VG 2

2.2.1 Discussion

3 Problem 3

```
Command Prompt - ncat localhost 8884

</html>
^C
C:\Users\serwa>ncat localhost 8884
GET /Page1 HTTP/1.0
HTTP/1.1 200 OK
Date:Sun Mar 01 21:16:05 CET 2020
Content-Type: text/html

<!DOCTYPE html>
<html>
<head>
<title> HTML Hello</title>
</head>
<body>
  <h1>HELLO WORLD FROM PAGE1 </h1>
</body>
</html>
```

```
Command Prompt - ncat localhost 8884

Microsoft Windows [Version 10.0.18362.657]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\serwa>ncat localhost 8884
GET /myfile.html HTTP/1.0
HTTP/1.1 200 OK
Date:Sun Mar 01 21:18:34 CET 2020
Content-Type: text/html

<!DOCTYPE html>
<html>
<head>
<title> HTML Hello</title>
</head>
<body>
  <h1>HELLO WORLD </h1>
</body>
</html>
```

3.1 Discussion

In the first screenshot, I have requested a directory using ncat, and I got an “HTML file” also I got the response header which is 200 OK.

I got an “index.html” file because it is existing in that directory.

In the second screenshot, I have requested a named HTML page with that directory: myfile.html.

The output I got is also an HTML page and a response header with the date, content type and the status which is 200 OK for that request.