



Linnéuniversitetet
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Report

Assignment 2
IDV701



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1 Problem 1



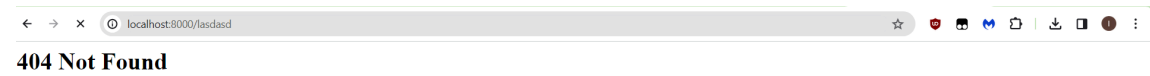
1.1 Discussion

Our solution outlines basic web server development in java. It's capable of handling HTML files and sometimes PNG files, GET and POST requests without using third party libraries and multiple connections. Some key components:

- Error handling: we handle basic errors, such as 404 not found, 400 bad requests and 401 unauthorized with appropriate HTTP messages.
- Server Socket: the socket is used on the port to listen to incoming connections.
- File handling: when a file is verified and passed, the server creates appropriate. HTTP response with header, content length, type and sends the content.
- GET: the request is passed to serve the appropriate file.
- POST: they read and process the request to validate credentials.
- Keep alive: by inspecting the header whether keep connection open for any further request or closing it when done.

2 Problem 2

404 NOT FOUND:



2.1 Discussion

as shown above when searching for something like “asfdasdsa” it shows the appropriate not found message page. The response is used to handle any request for a non-existent resource or page. It informs the client with the appropriate HTTP response.

3 Problem 3



← → ↻ localhost:8000/login.html ☆

Username: admin Password: Login



← → ↻ localhost:8000/login ☆

Login Successful



← → ↻ localhost:8000/login ☆

Login Failed

3.1 Discussion

This provides the login page we use that has a credentials txt file to verify, the images show the page, the page when you introduce the correct credentials, and the page when you put the wrong credentials. The method `handleRequest` is responsible for POST requests and validation of credentials for the login page.

In terms of collaborative efforts:

Iker(ig222kd)-50%
Abdul(ar224ee)-50%