Programming Assignment – PA1

COEN 317 – Distributed Systems

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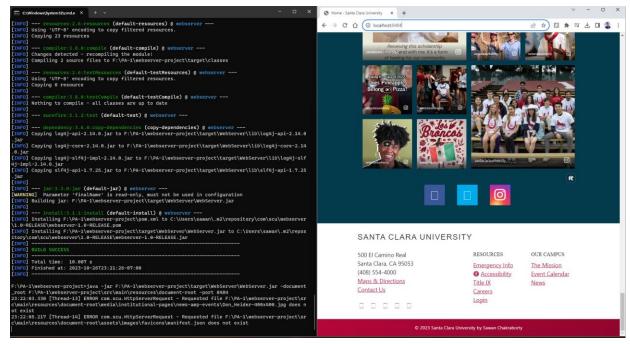
SCU ID -W1653472

Screenshots:

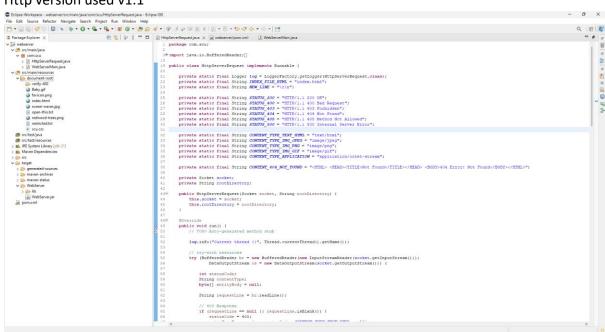
- We are using port number: 8484
- 1. mvn clean install

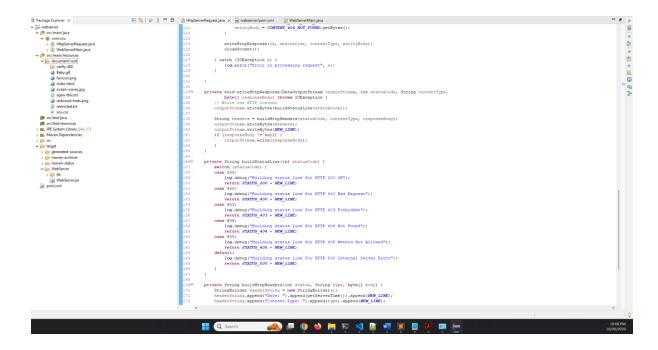
```
C:\Windows\System32\cmd.e × + ~
[INFO] --- clean:3.2.0:clean (default-clean) @ webserver ---
[INFO] Deleting F:\PA-1\webserver-project\target
[INFO]
[INFO] --- resources:2.6:copy-resources (copy-resources) @ webserver ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory F:\PA-1\webserver-project\resources
[INFO]
[INFO] --- resources:2.6:resources (default-resources) @ webserver ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 8 resources
[INFO]
[INFO] --- compiler:3.8.0:compile (default-compile) @ webserver ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 2 source files to F:\PA-1\webserver-project\target\classes
[INFO]
[INFO] --- resources:2.6:testResources (default-testResources) @ webserver ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO] --- compiler:3.8.0:testCompile (default-testCompile) @ webserver ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- surefire:3.1.2:test (default-test) @ webserver --
[INFO] --- dependency:3.6.0:copy-dependencies (copy-dependencies) @ webserver ---
[INFO] Copying log4j-api-2.14.0.jar to F:\PA-1\webserver-project\target\WebServer\lib\log4j-api-2.14.0
.jar
[INFO] Copying log4j-core-2.14.0.jar to F:\PA-1\webserver-project\target\WebServer\lib\log4j-core-2.14
.0.jar
[INFO] Copying log4j-slf4j-impl-2.14.0.jar to F:\PA-1\webserver-project\target\WebServer\lib\log4j-slf
4j-impl-2.14.0.jar
[INFO] Copying slf4j-api-1.7.25.jar to F:\PA-1\webserver-project\target\WebServer\lib\slf4j-api-1.7.25
.jar
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ webserver --
[WARNING] Parameter 'finalName' is read-only, must not be used in configuration
[INFO] Building jar: F:\PA-1\webserver-project\target\WebServer\WebServer.jar
[INFO] --- install:3.1.1:install (default-install) @ webserver ---
[INFO] Installing F:\PA-1\webserver-project\pom.xml to C:\Users\sawan\.m2\repository\com\scu\webserver
\1.0-RELEASE\webserver-1.0-RELEASE.pom
[INFO] Installing F:\PA-1\webserver-project\target\WebServer\WebServer.jar to C:\Users\sawan\.m2\repos
itory\com\scu\webserver\1.0-RELEASE\webserver-1.0-RELEASE.jar
[INFO] -
[INFO] BUILD SUCCESS
[INFO] -
[INFO] Total time: 24.710 s
[INFO] Finished at: 2023-10-26T23:00:56-07:00
```

2. Running the java -jar



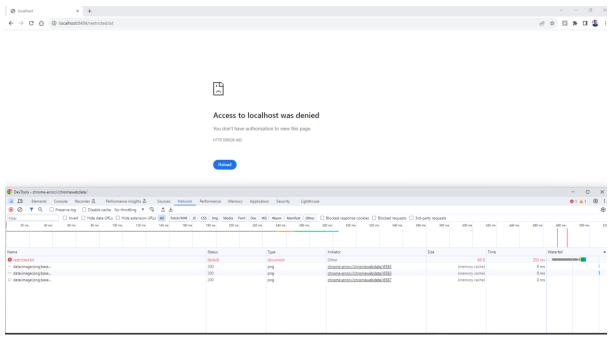
3. Http version used v1.1





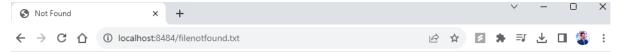
4. Handling Request Codes

a. 403 - Forbidden. URL: localhost:8484/restricted.txt

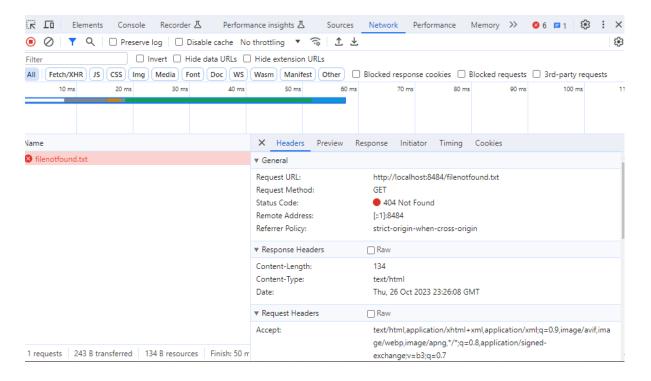


b. 404 - File Not Found

URL: localhost:8484/filenotfound.txt

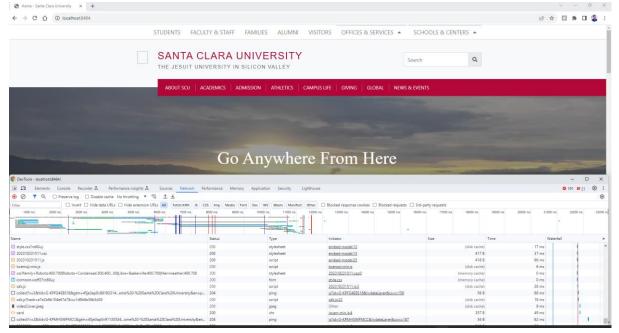


404 Error: Not Found



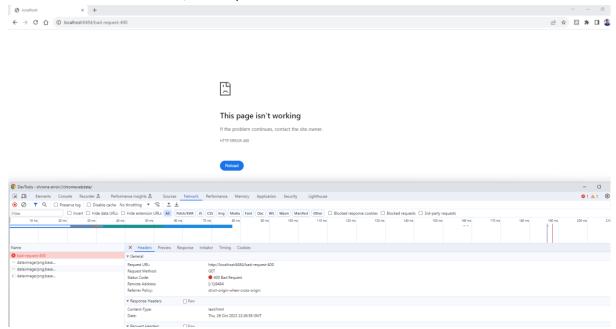
c. 200 – ok

URL: localhost:8484

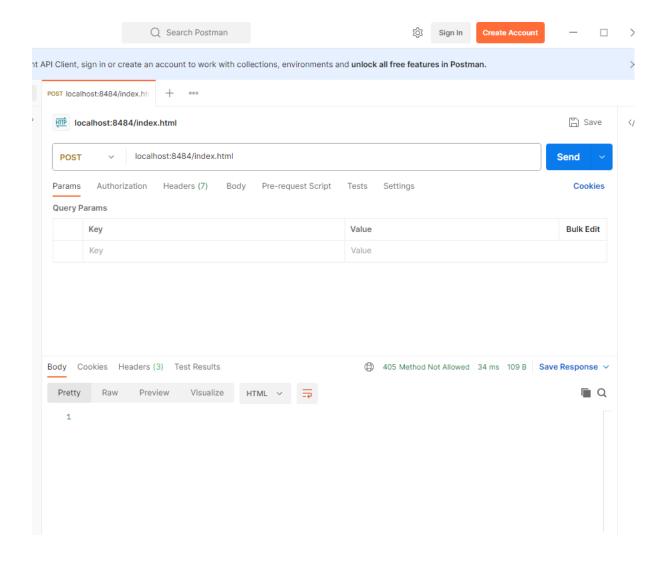


d. 400 – Bad Request

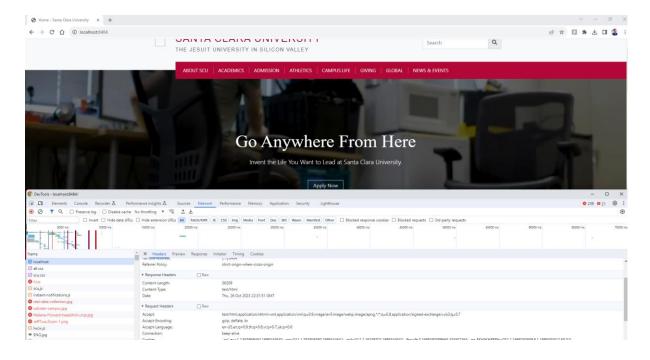
URL: localhost:8484/bad-request-400



e. 405 – Method Not Allowed



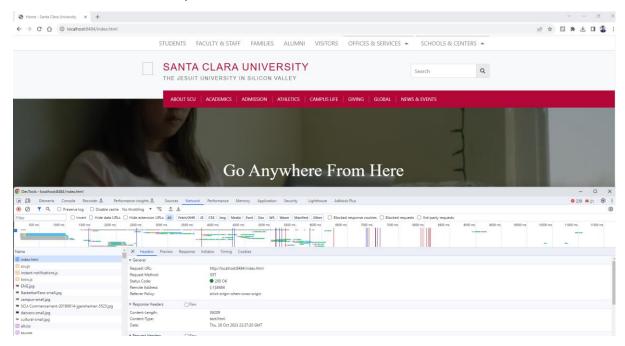
5. Handling Headers – content-type, content-length and Date headers are supported. URL: localhost:8484



6. Handling File types

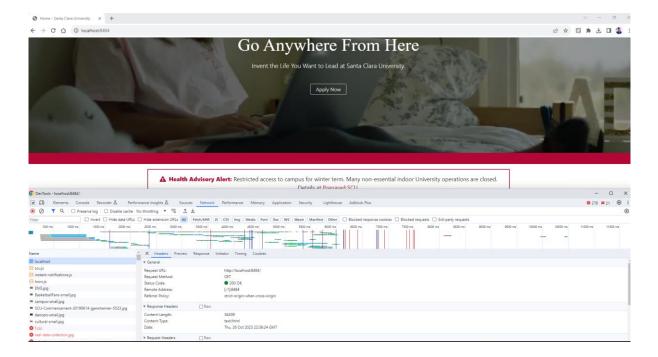
a. Handle index.html when present in the URL

URL: localhost:8484/index.html

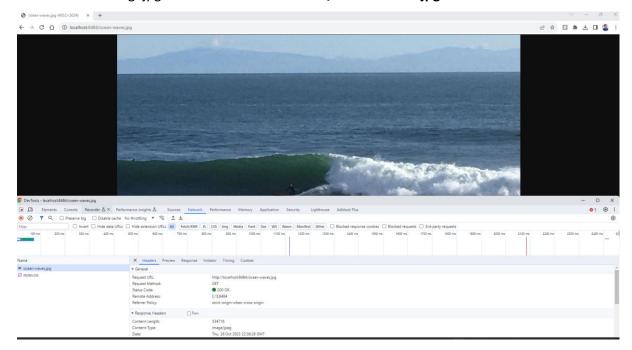


b. Handle index.html when its not present in the URL

URL: localhost:8484

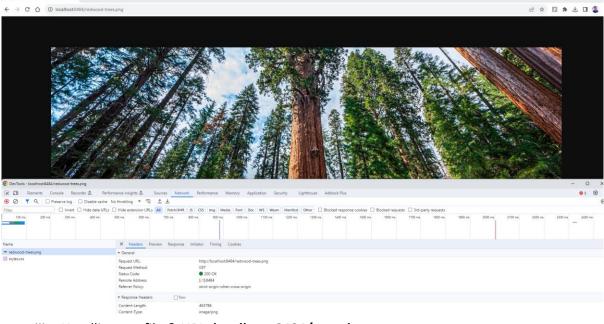


- c. Handle other file types such a .gif, .txt and .jpg
 - i. Handling .jpg file & URL: localhost:8484/ocean-waves.jpg



ii. Handling .png file

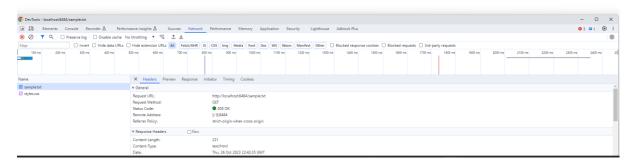
URL: localhost:8484/redwood-trees.png



iii. Handling .txt file & URL: localhost:8484/sample.txt



Welcome to the Distributed Systems project! This text hie serves as a test message for our web server. It you're able to see this, it indicates that our server is up and running smoothly, meeting all your specification



iv. Handling .gif file

URL: localhost:8484/baby.gif

