Assignment 4

1. AWS Training #10



- 2. Done
- 3. 4 Docker Configurations
 - a. Server and client in same docker container



b. Server in docker, client on host

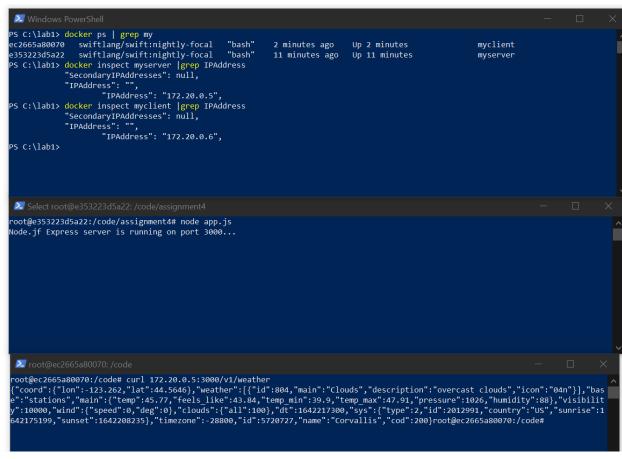
```
Windows PowerShell
PS C:\lab1> curl http://localhost:3000/v1/weather
StatusCode
                      : 200
StatusDescription : OK
                     : {"coord":{"lon":-123.262,"lat":44.5646},"weather":[{"id":804,"main":"Clouds","description":"overcast
clouds","icon":"04n"}],"base":"stations","main":{"temp":45.77,"feels_like":43.84,"temp_min":39.9,"t...
: HTTP/1.1 200 OK
Content
RawContent
                         Connection: keep-alive
                         Content-Length: 475
                         Content-Type: application/json; charset=utf-8
                         Date: Thu, 27 Jan 2022 04:21:17 GMT
ETag: W/"1db-vOKZynfab6XNYpgAbFksFRr5g5w"
                         X-Powered-B...
                      : {}
: {[Connection, keep-alive], [Content-Length, 475], [Content-Type, application/json; charset=utf-8], [Date,
Thu, 27 Jan 2022 04:21:17 GMT]...}
Forms
Headers
Images
InputFields
ParsedHtml
                       : System.__ComObject
RawContentLength : 475
PS C:\lab1>
 root@344f11283f3d: /code/assignment4
 root@344f11283f3d:/code/assignment4# node app.js
Node.jf Express server is running on port 3000...
```

c. Server on host, client in docker

```
PS C:\lab1\assignment4> node .\app.js
Node.jf Express server is running on port 3000...

Index of the proof o
```

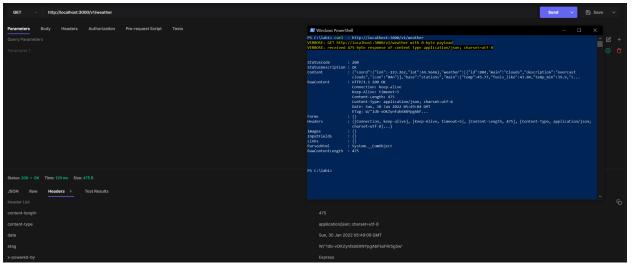
d. Server in docker, client in another docker container



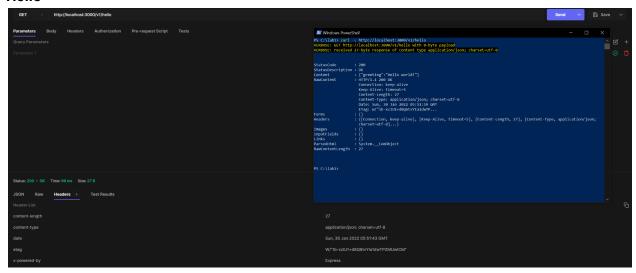
4. https://github.com/osu-mp/cs561-assignments/blob/main/4/swagger.yaml

5. Weather

Both curl (blue window) and hoppscotch (black) had mostly the same headers: content-length, content-type, date, and etag. The one addition hoppscotch had was x-powered-by. This x-powered-by field was not shown in the Windows curl output, but was visible when running the git/mingw64 curl (see auth screenshot below).

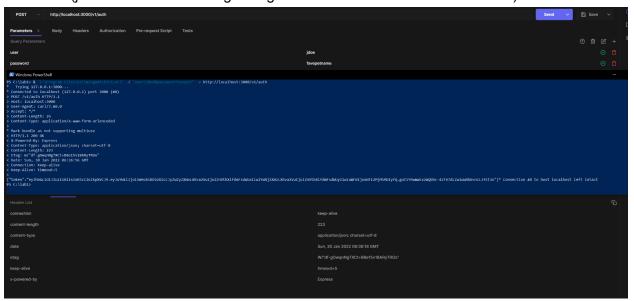


Hello



Auth

Using an expanded view during auth, it looks like the x-powered by is present in the curl command (just needed to use the git/mingw64 curl instead of the Windows curl).



6. Unix commands practice

```
root@e353223d5a22: /code/assignment4
 /code/assignment4
 root@e353223d5a22:/code/assignment4# ls -ltr
 total 20
 -rw-r--r-- 1 root root 14362 Jan 22 00:08 package-lock.json
-rwxrwxrwx 1 root root 985 Jan 26 23:40 app.js
 root@e353223d5a22:/code/assignment4# grep weather app.js
root@e353223/5222;/code/assignment4# grep weather app.js
app.get('v1/weather(request, response){
    response.json({"coord":{"lon":-123.262,"lat":44.5646},"weather":[{"id":804,"main":"Clouds","description":"overcast clouds","ic
on":"04n"}],"base":"stations","main":{"temp":45.77,"feels_like":43.84,"temp_min":39.9,"temp_max":47.91,"pressure":1026,"humidity":
88},"visibility":10000, "wind":{"speed":0,"deg":0},"clouds":{"all":100},"dt":1642217300,"sys":{"type":2,"id":2012991,"country":"US"
,"sunrise":1642175199,"sunset":1642208235},"timezone":-28800,"id":5720727,"name":"Corvallis","cod":200})
root@e353223/5222:/code/assignment4# echo "foo" > bar
 root@e353223d5a22:/code/assignment4# cat bar
 root@e353223d5a22:/code/assignment4# mv bar bar_new
 root@e353223d5a22:/code/assignment4# ls -ltr
 total 20
 -rw-r--r-- 1 root root 14362 Jan 22 00:08 package-lock.json
 -rwxrwxrwx 1 root root 985 Jan 26 23:40 app.js
-rw-r--r-- 1 root root 4 Jan 27 05:40 bar_new
 root@e353223d5a22:/code/assignment4# whoami
 root
 root@e353223d5a22:/code/assignment4# echo "\nmore contents" >> bar new
 root@e353223d5a22:/code/assignment4# cat bar_new
 new contents
 \nmore contents
 root@e353223d5a22:/code/assignment4#
```

7. Cracking Hack-Along

The orange-and-black terminal window below will probably not show up on a smartphone. (Have not tried on a tablet.) So you might have to use a laptop (e.g. your macbook) or desktop for this one.

```
Welcome to Ava Lovelace College's Computer Science FreeBSD server.
username: sasha
password:
Congratulations! You have successfully logged in.
$ 1s
Haha take it easy. This is just a prop.
```