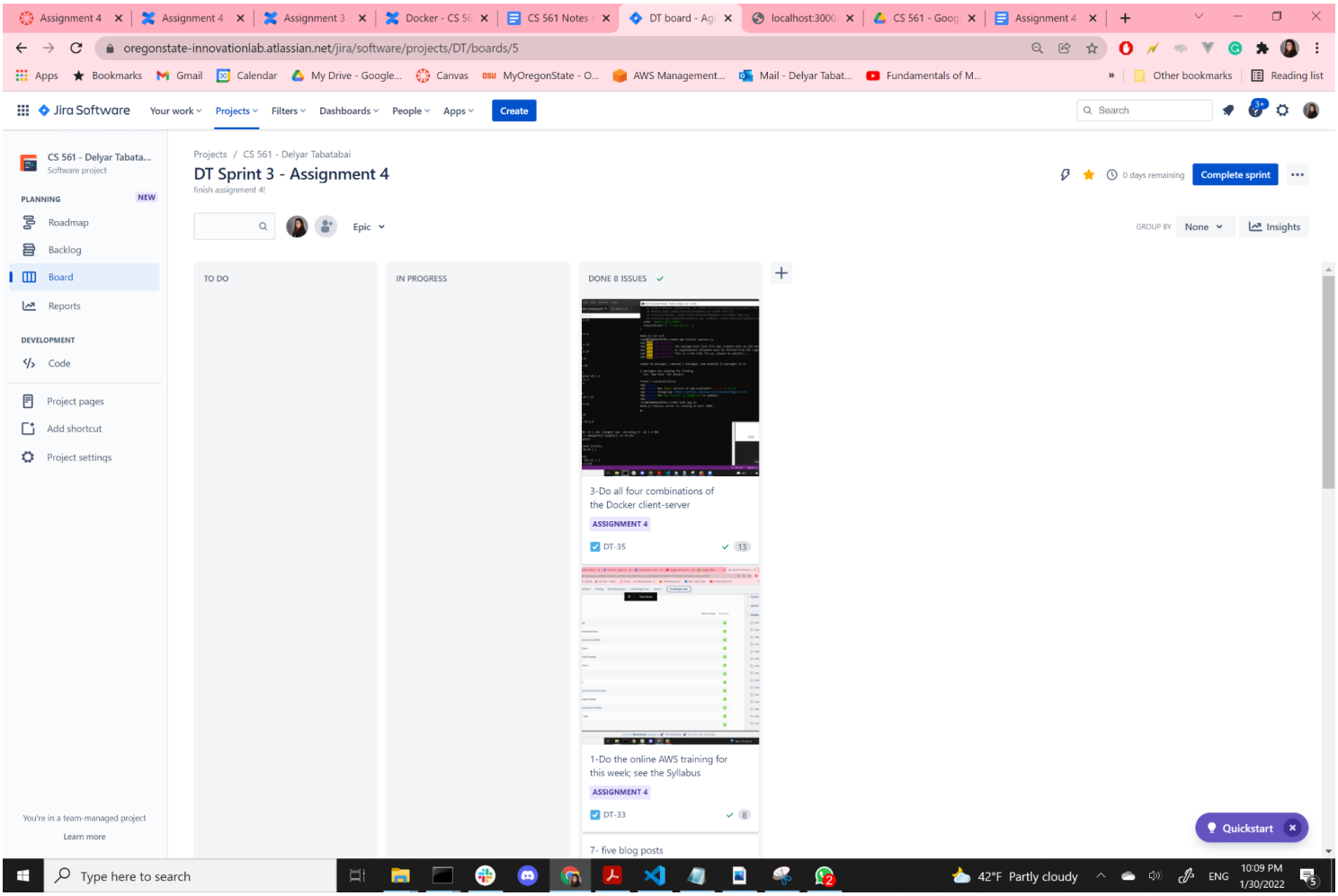
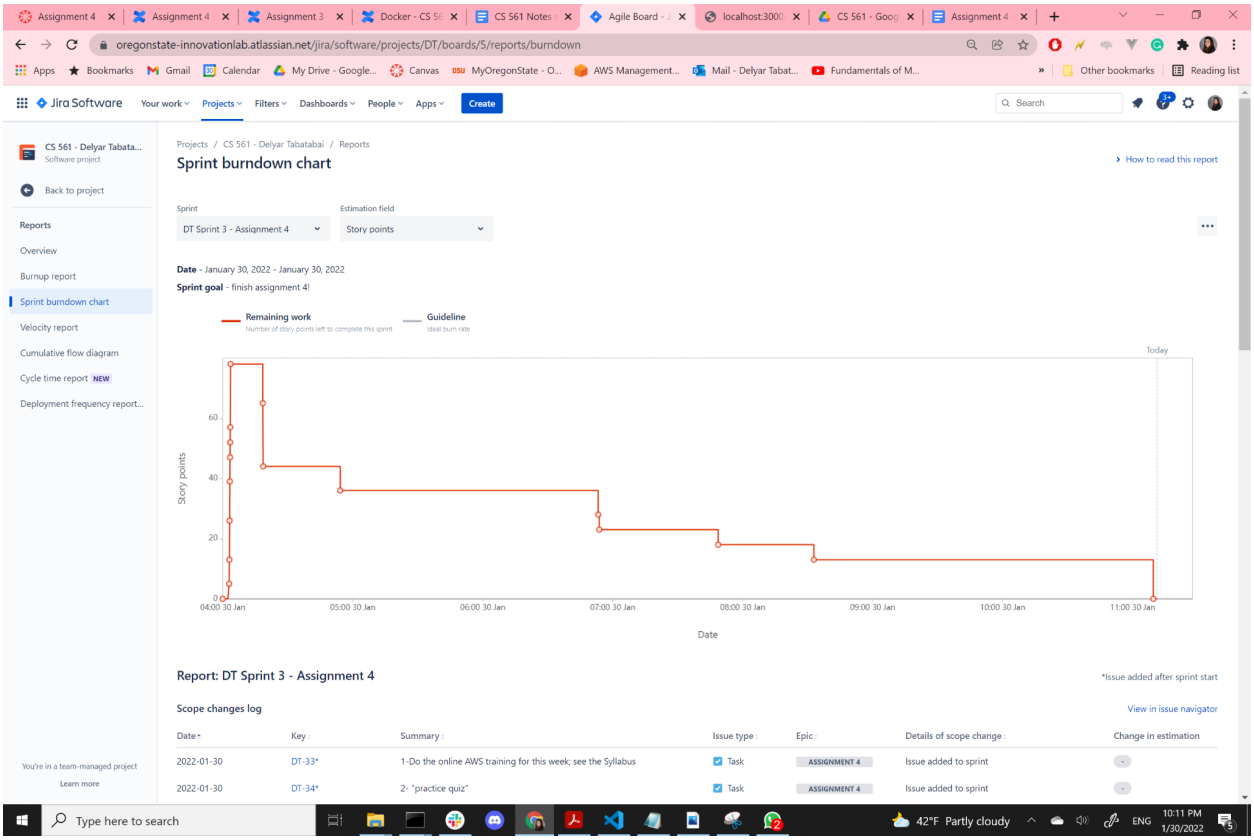
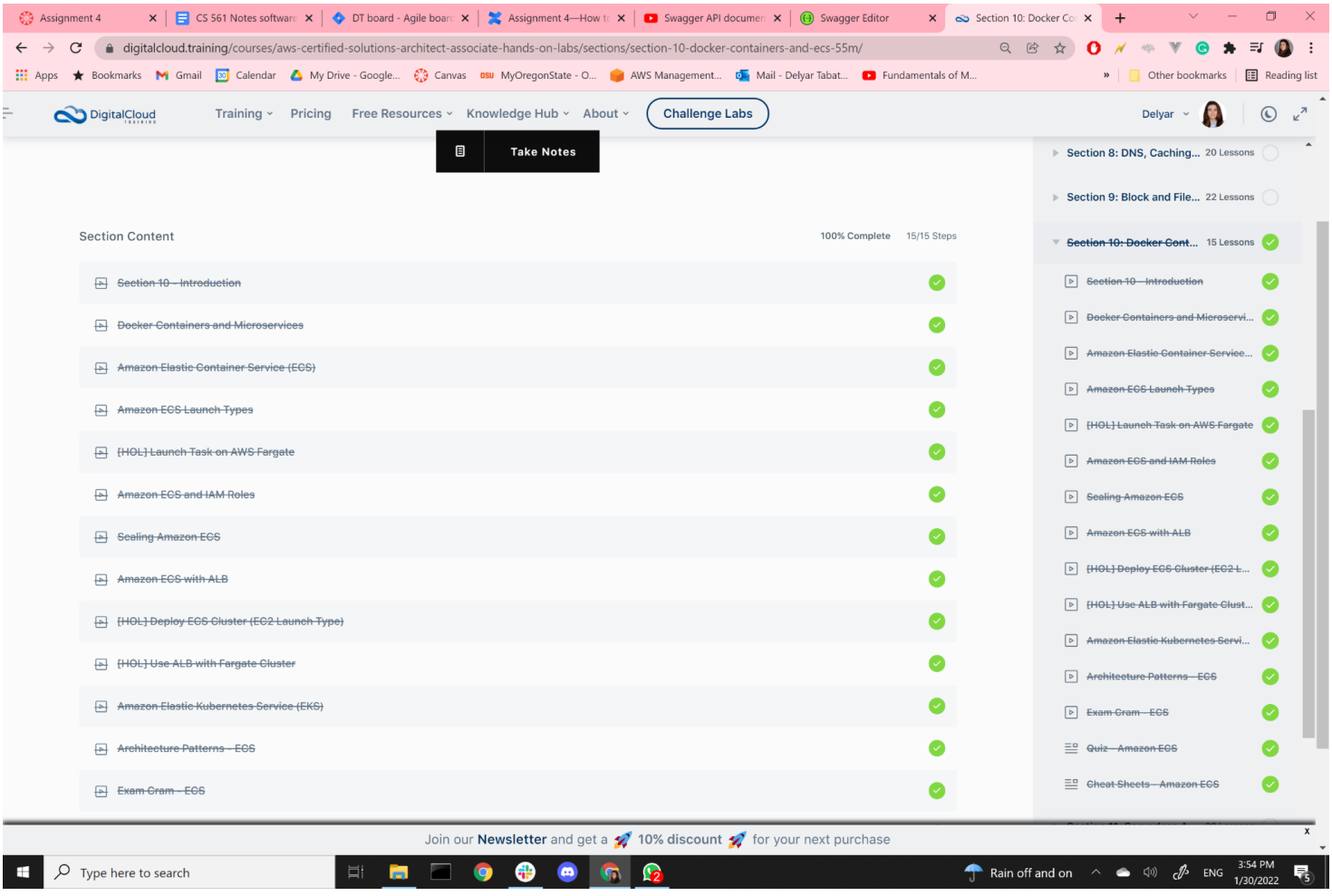
Assignment 4
Delyar Tabatabai

Jira and burndown:

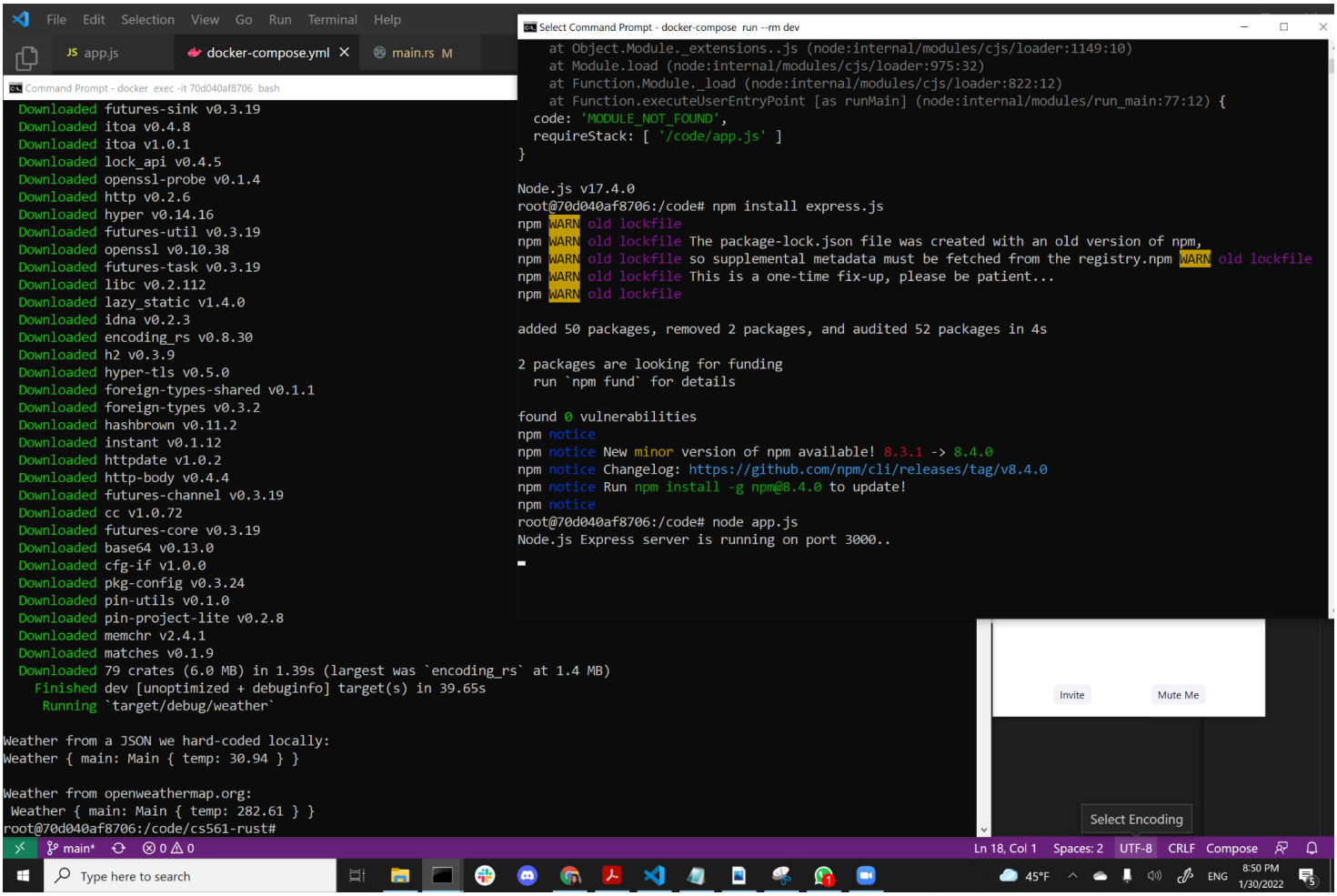



Assignment 4
oregonstate-innovationlab.atlassian.net/jira/software/projects/DT/boards/5/reports/burndown
Jira Software
Sprint burndown chart
Sprint
DT Sprint 3 - Assignment 4
Estimation field
Story points
Date - January 30, 2022 - January 30, 2022
Sprint goal - finish assignment 4!
Remaining work
Guideline
Today
Story points
Date
Report: DT Sprint 3 - Assignment 4
Scope changes log
2022-01-30 DT-33* 1-Do the online AWS training for this week; see the Syllabus Task ASSIGNMENT 4 Issue added to sprint
2022-01-30 DT-34* 2- "practice quiz" Task ASSIGNMENT 4 Issue added to sprint
Type here to search
42°F Partly cloudy
10:11 PM
1/30/2022

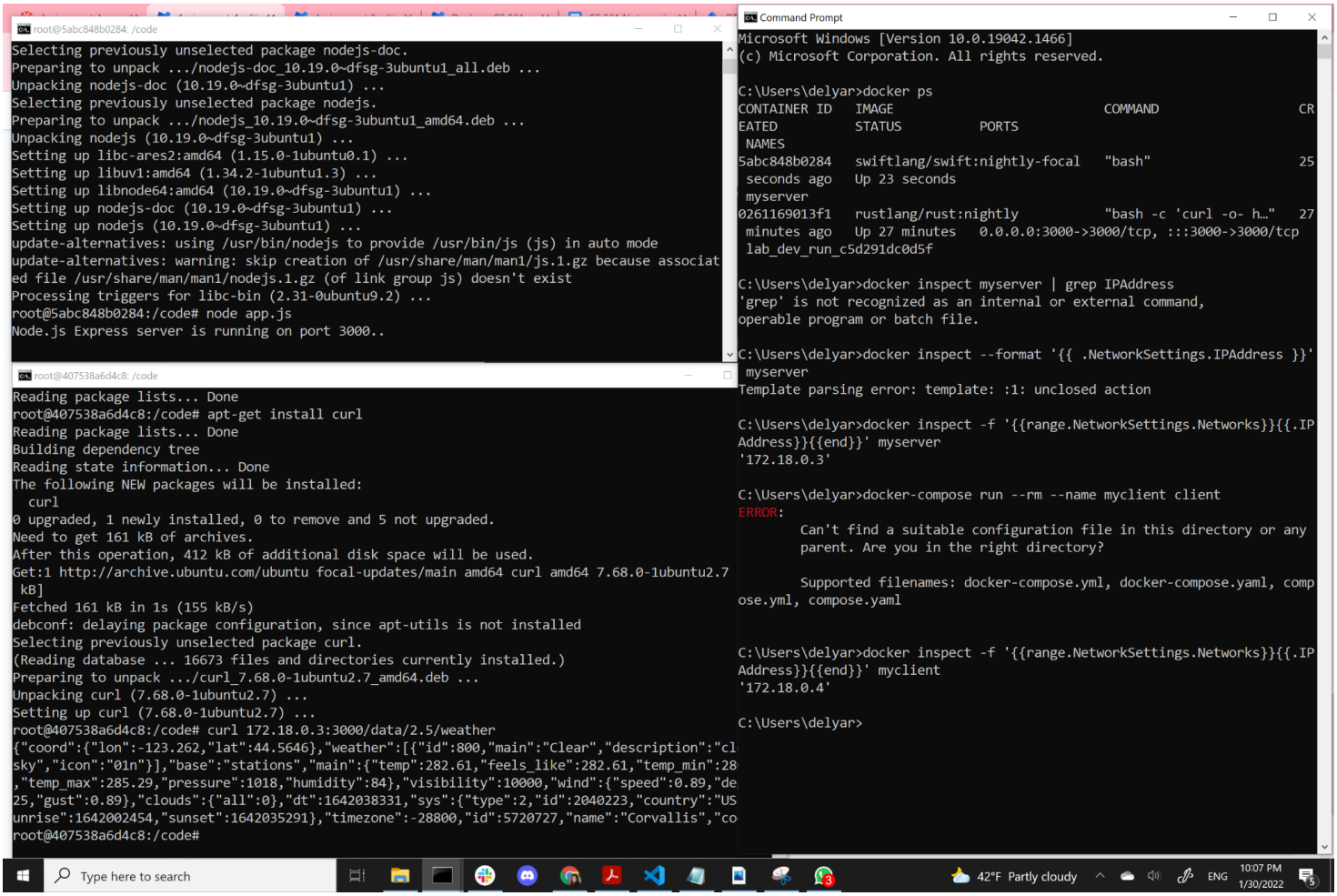
AWS Course:


digitalcloud.training/courses/aws-certified-solutions-architect-associate-hands-on-labs/sections/section-10-docker-containers-and-ecs-55m/
DigitalCloud
Training
Pricing
Free Resources
Knowledge Hub
About
Challenge Labs
Delyar
Take Notes
Section Content
100% Complete
15/15 Steps
Section 10 - Introduction
Docker Containers and Microservices
Amazon Elastic Container Service (ECS)
Amazon ECS Launch Types
[HOL] Launch Task on AWS Fargate
Amazon ECS and IAM Roles
Scaling Amazon ECS
Amazon ECS with ALB
[HOL] Deploy ECS Cluster (EC2 Launch Type)
[HOL] Use ALB with Fargate Cluster
Amazon Elastic Kubernetes Service (EKS)
Architecture Patterns - ECS
Exam Cram - ECS
Section 8: DNS, Caching... 20 Lessons
Section 9: Block and File... 22 Lessons
Section 10: Docker Cont... 15 Lessons
Quiz - Amazon ECS
Cheat Sheets - Amazon ECS
Join our Newsletter and get a 10% discount for your next purchase
Type here to search
Rain off and on
3:54 PM
1/30/2022

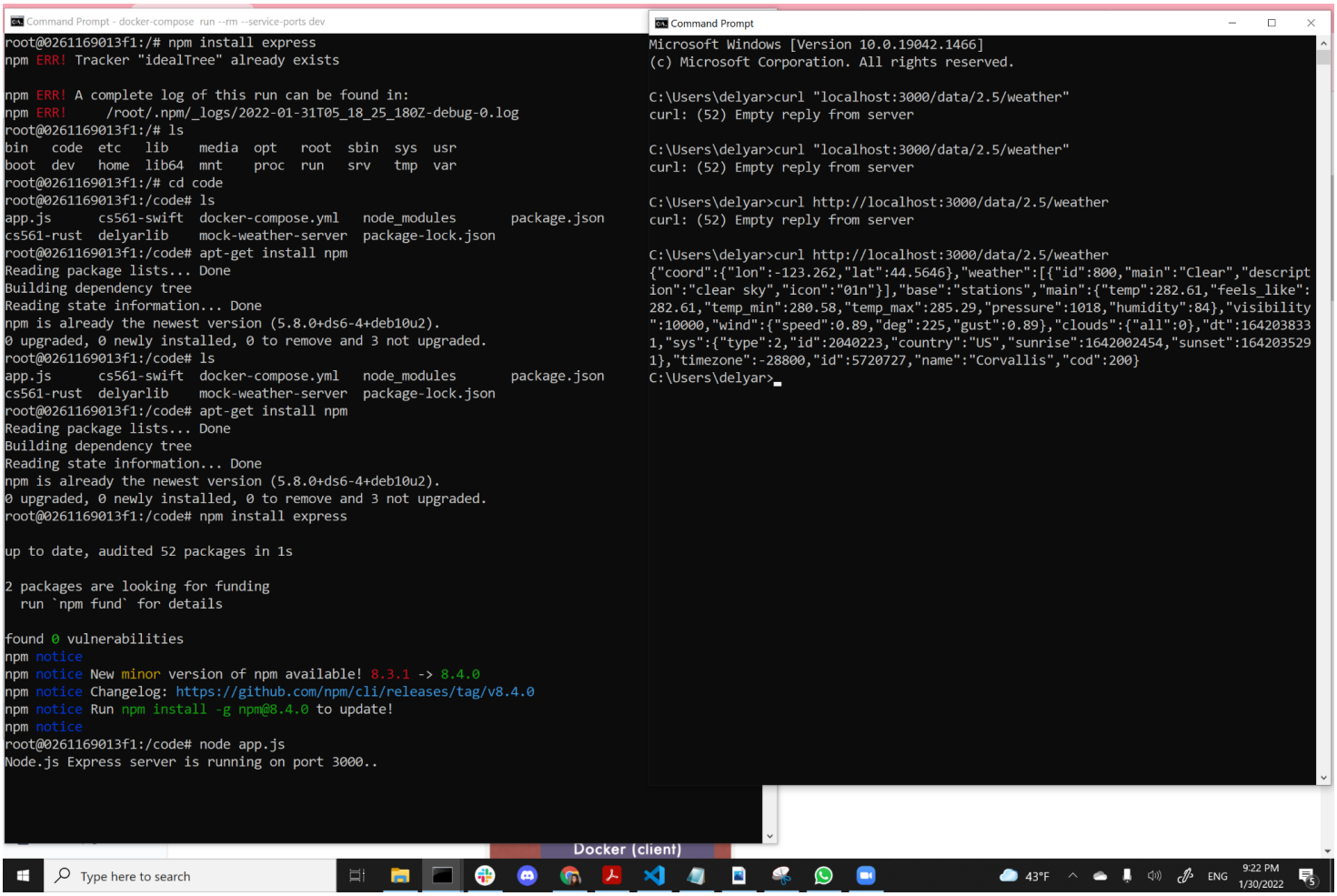
Server and client in the same docker container:



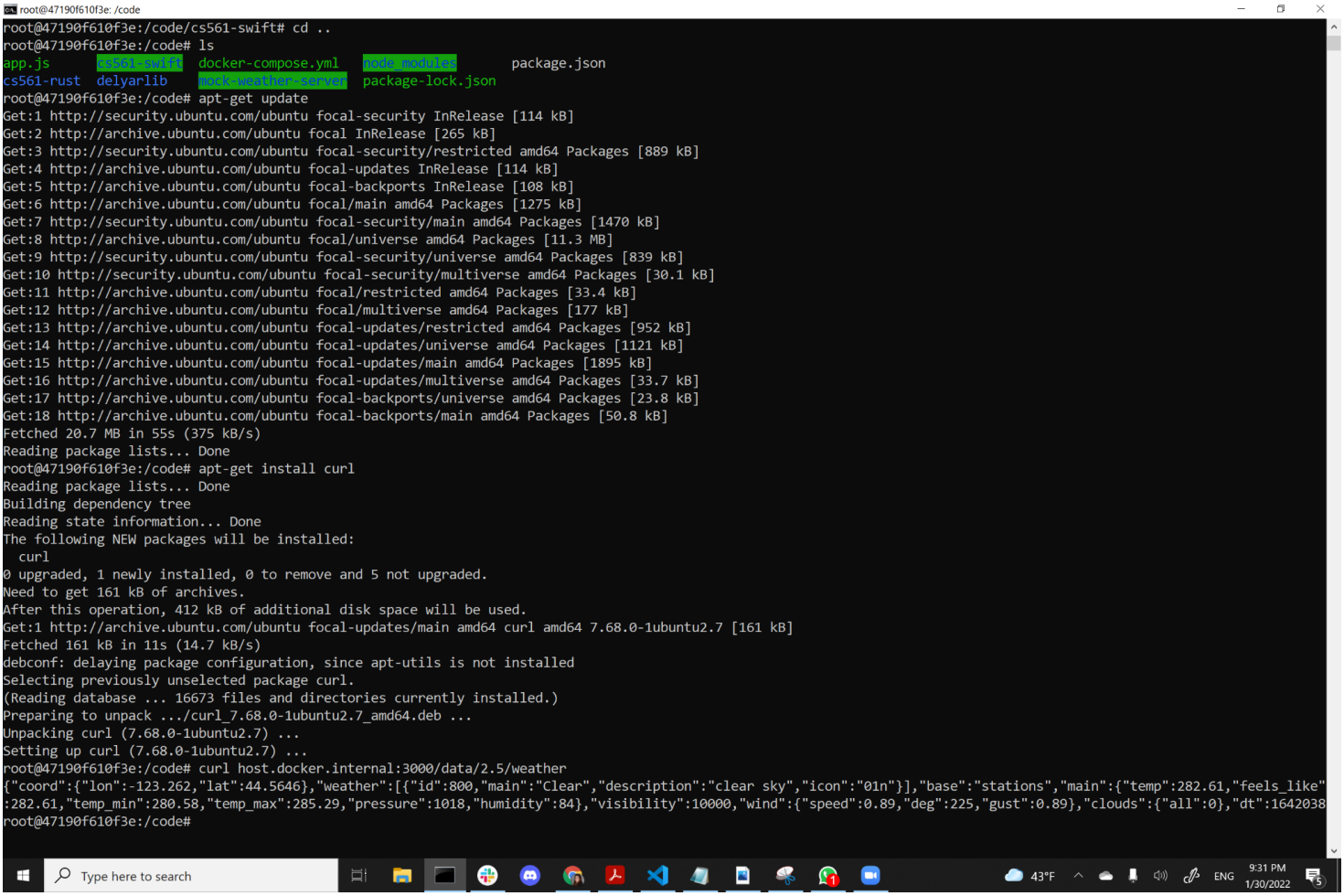
Server in docker, client in another docker container:



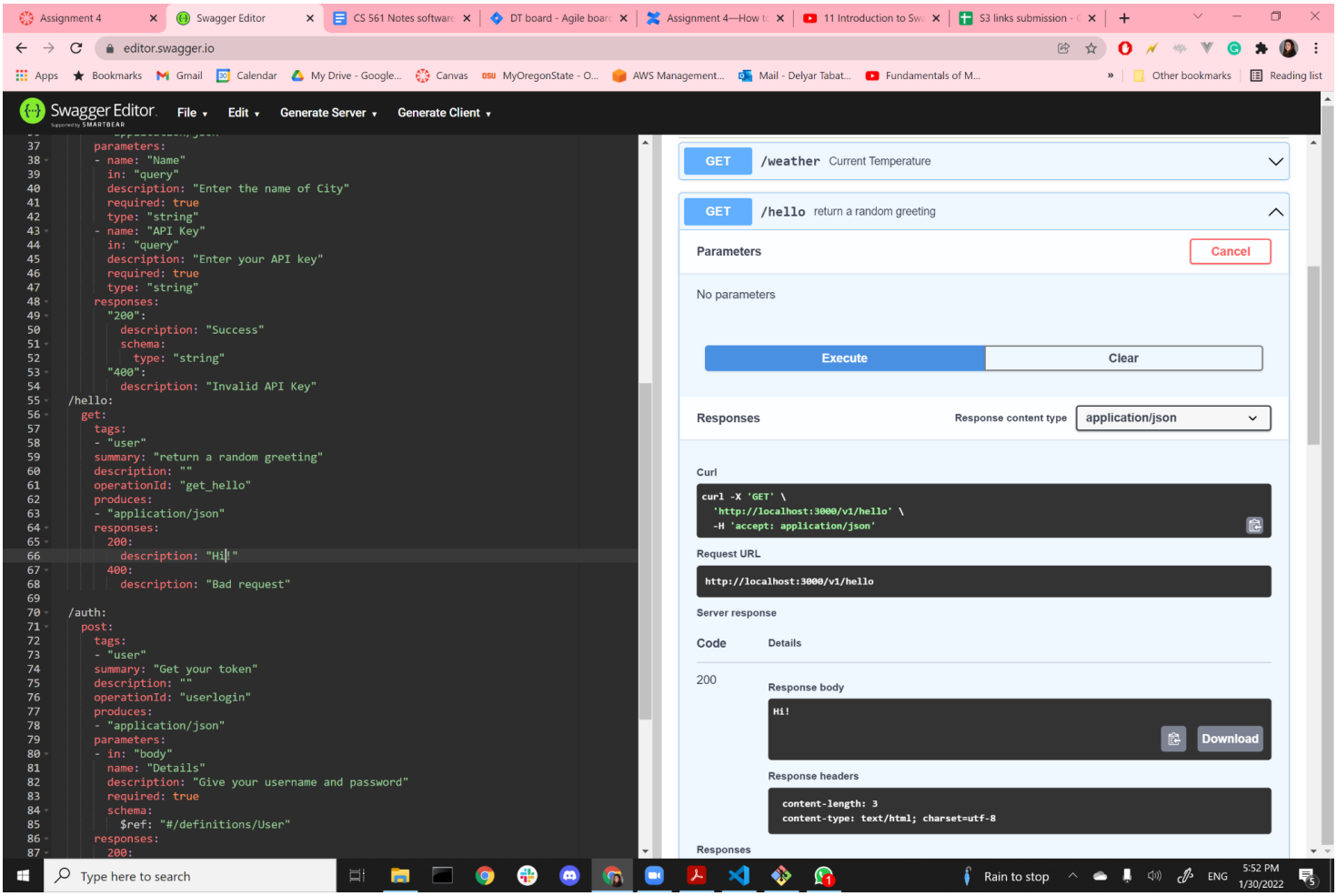
Server in docker, client on host:



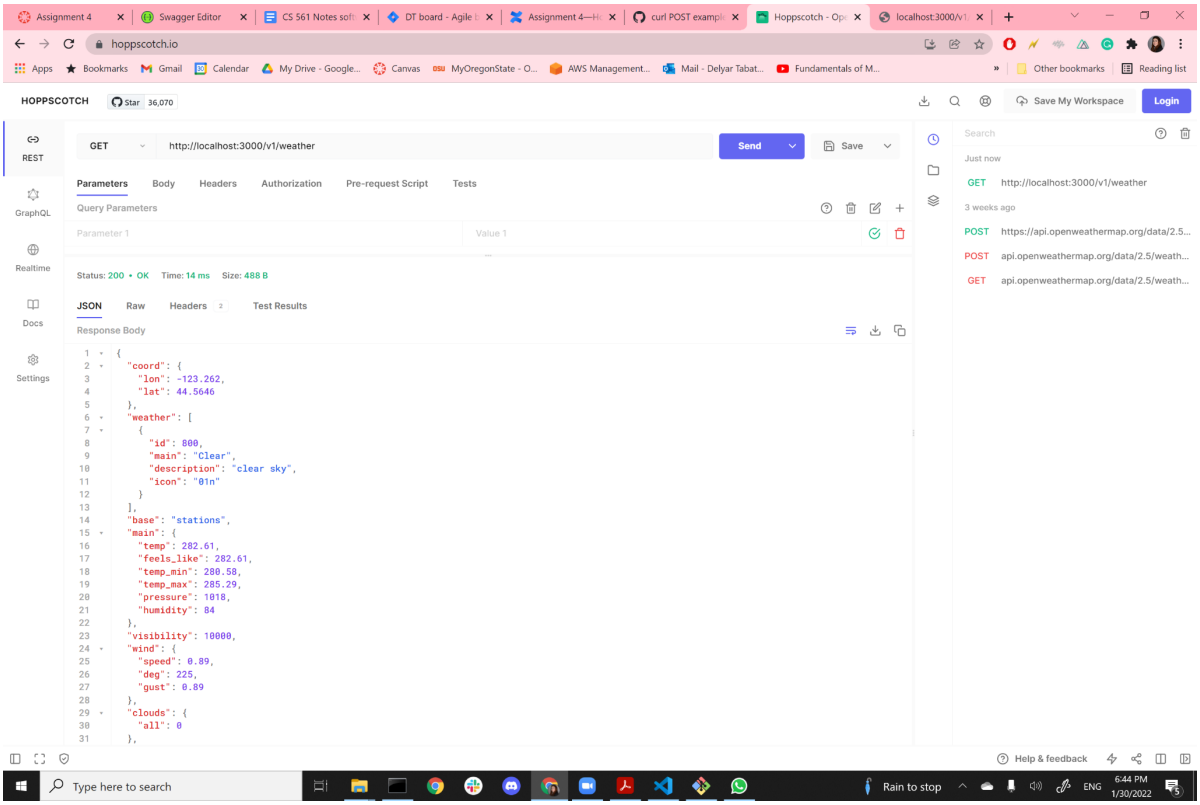
Server on host, client in docker:

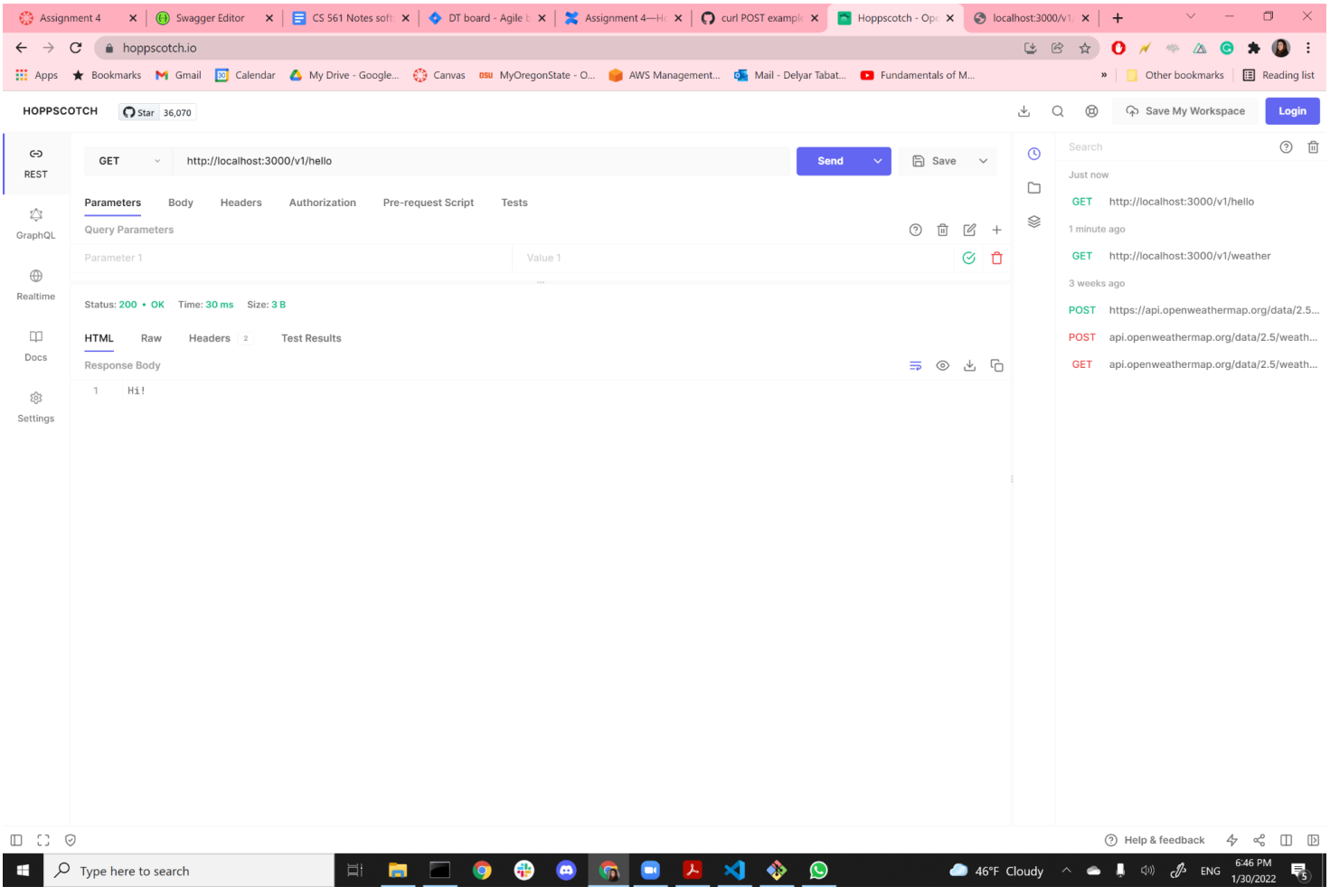


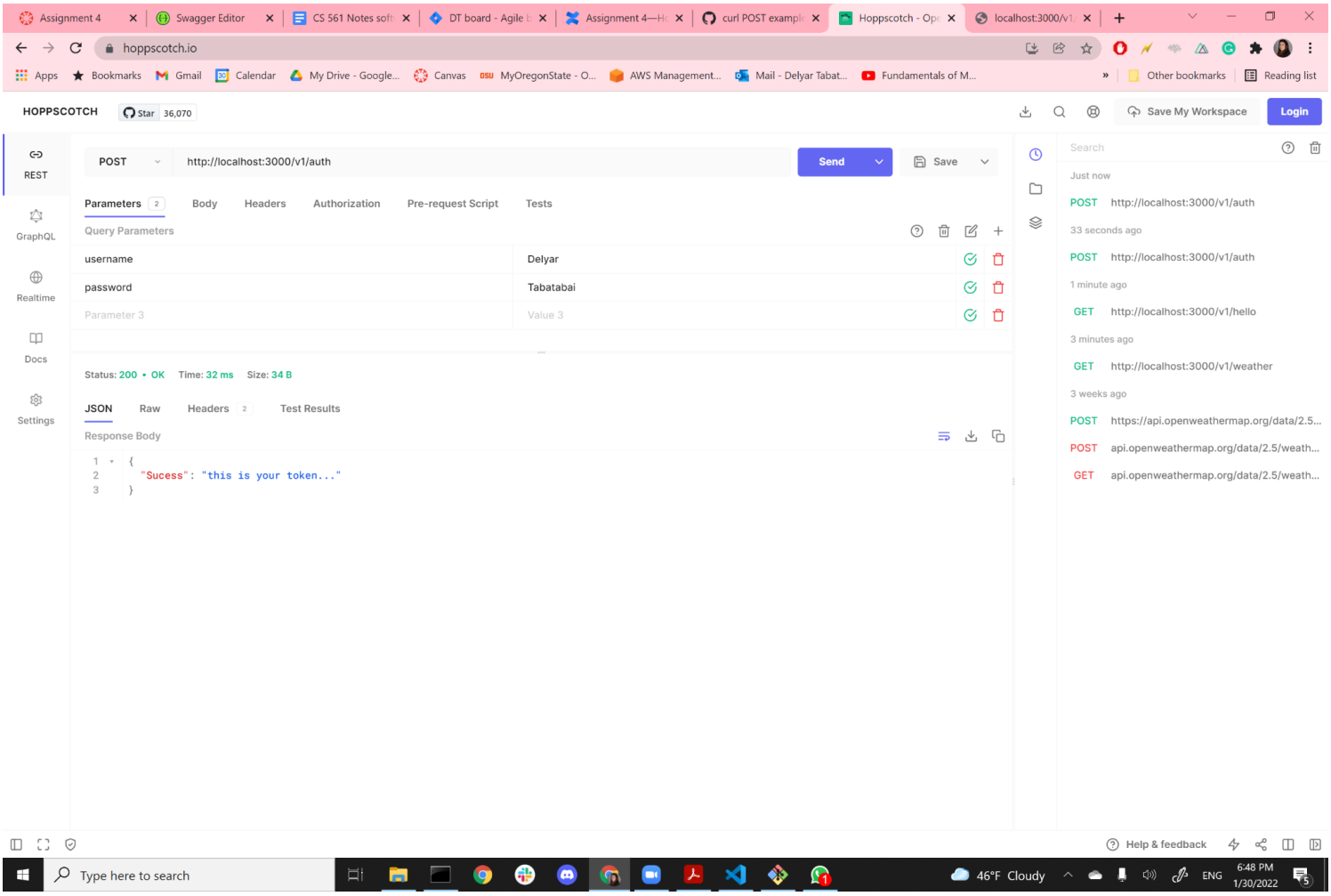
Bullet 4:

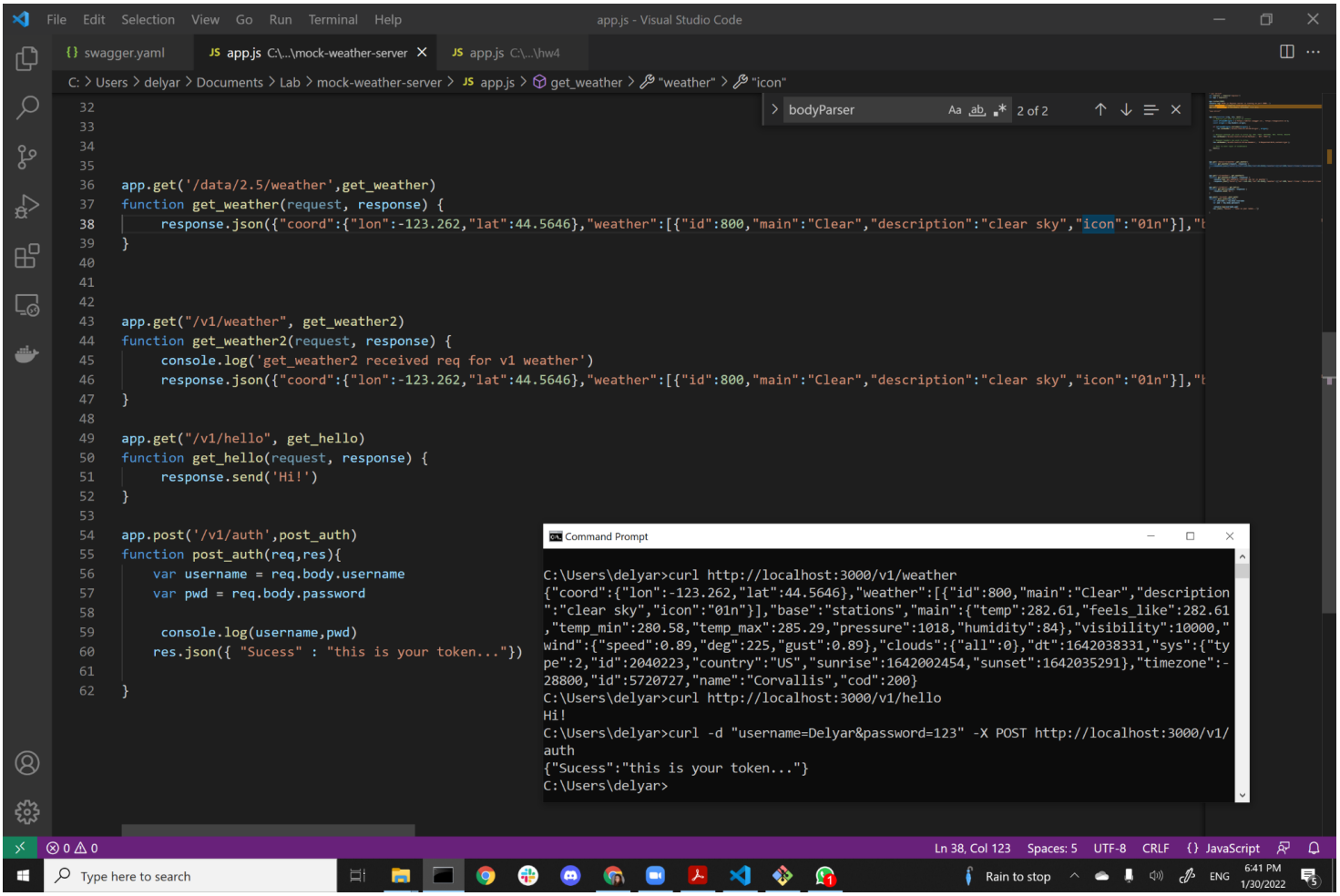

Assignment 4
Swagger Editor
editor.swagger.io
Swagger Editor
File
Edit
Generate Server
Generate Client
parameters:
- name: "Name"
in: "query"
description: "Enter the name of City"
required: true
type: "string"
- name: "API Key"
in: "query"
description: "Enter your API key"
required: true
type: "string"
responses:
"200":
description: "Success"
schema:
type: "string"
"400":
description: "Invalid API Key"
/hello:
get:
tags:
- "user"
summary: "return a random greeting"
description: ""
operationId: "get_hello"
produces:
- "application/json"
responses:
200:
description: "Hi!"
400:
description: "Bad request"
/auth:
post:
tags:
- "user"
summary: "Get your token"
description: ""
operationId: "userlogin"
produces:
- "application/json"
parameters:
- in: "body"
name: "Details"
description: "Give your username and password"
required: true
schema:
$ref: "#/definitions/User"
responses:
200:
GET /weather Current Temperature
GET /hello return a random greeting
Parameters
Cancel
No parameters
Execute
Clear
Responses
Response content type
application/json
Curl
curl -X 'GET' \
'http://localhost:3000/v1/hello' \
-H 'accept: application/json'
Request URL
http://localhost:3000/v1/hello
Server response
Code
Details
200
Response body
Hi!
Download
Response headers
content-length: 3
content-type: text/html; charset=utf-8
Responses
Type here to search
Rain to stop
ENG
5:52 PM
1/30/2022

Bullet 5:

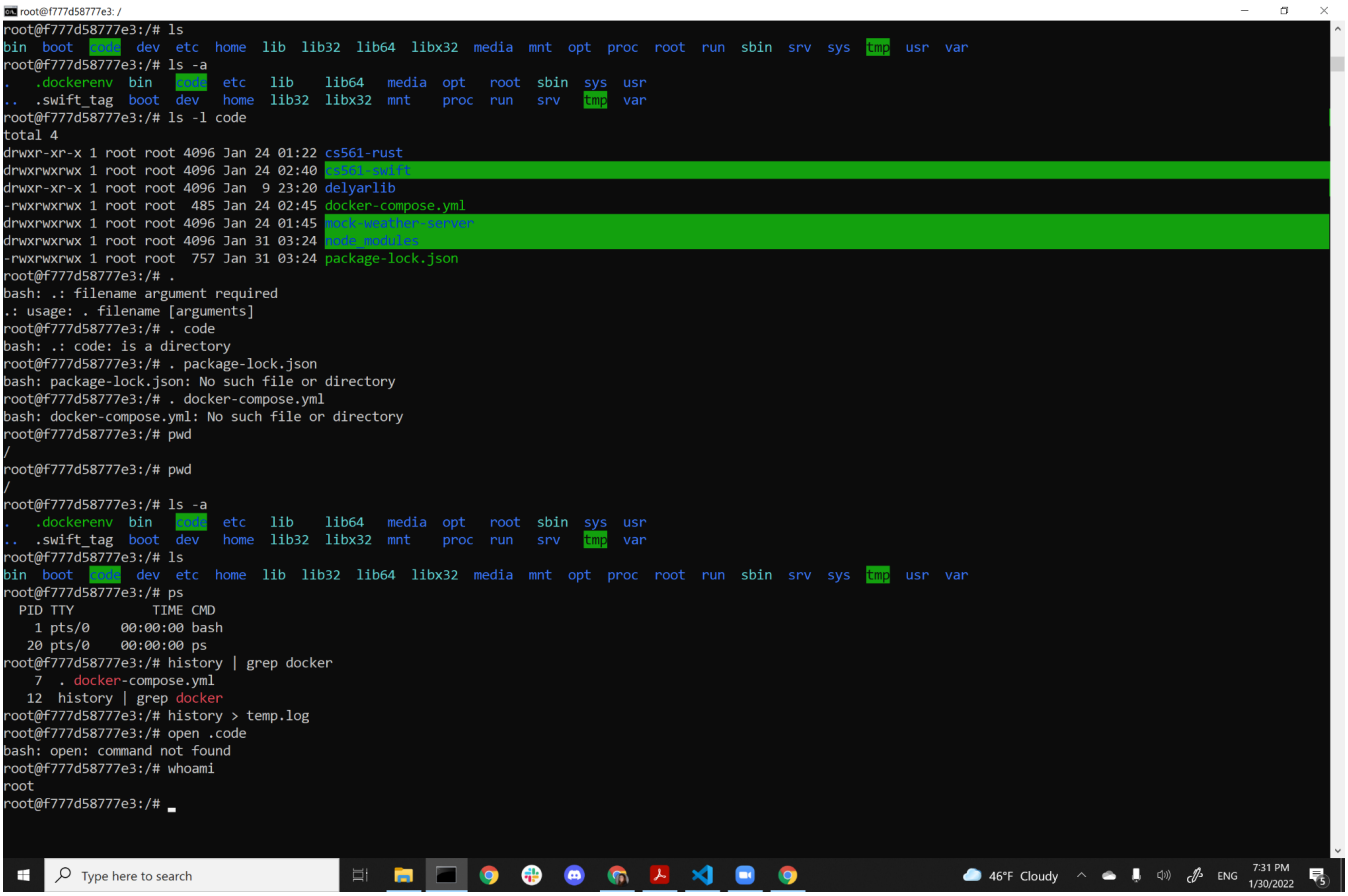

hoppscotch.io
HOPPSCOTCH
Star 36,070
Save My Workspace
Login
REST
GraphQL
Realtime
Docs
Settings
GET
http://localhost:3000/v1/weather
Send
Save
Parameters
Body
Headers
Authorization
Pre-request Script
Tests
Query Parameters
Parameter 1
Value 1
Status: 200 • OK
Time: 14 ms
Size: 488 B
JSON
Raw
Headers
Test Results
Response Body
{
"coord": {
"lon": -123.262,
"lat": 44.5646
},
"weather": [
{
"id": 800,
"main": "Clear",
"description": "clear sky",
"icon": "01n"
}
],
"base": "stations",
"main": {
"temp": 282.61,
"feels_like": 282.61,
"temp_min": 280.58,
"temp_max": 285.29,
"pressure": 1018,
"humidity": 84
},
"visibility": 10000,
"wind": {
"speed": 0.89,
"deg": 225,
"gust": 0.89
},
"clouds": {
"all": 0
},
Search
Just now
GET http://localhost:3000/v1/weather
3 weeks ago
POST https://api.openweathermap.org/data/2.5...
POST api.openweathermap.org/data/2.5/weath...
GET api.openweathermap.org/data/2.5/weath...
Help & feedback
Type here to search
Rain to stop
ENG
6:44 PM
1/30/2022


hoppscotch.io
HOPPSCOTCH
Star 36,070
Save My Workspace
Login
REST
GraphQL
Realtime
Docs
Settings
GET
http://localhost:3000/v1/hello
Send
Save
Parameters
Body
Headers
Authorization
Pre-request Script
Tests
Query Parameters
Parameter 1
Value 1
Status: 200 • OK
Time: 30 ms
Size: 3 B
HTML
Raw
Headers
Test Results
Response Body
1 Hi!
Search
Just now
GET http://localhost:3000/v1/hello
1 minute ago
GET http://localhost:3000/v1/weather
3 weeks ago
POST https://api.openweathermap.org/data/2.5...
POST api.openweathermap.org/data/2.5/weath...
GET api.openweathermap.org/data/2.5/weath...
Help & feedback
Type here to search
46°F Cloudy
ENG
6:46 PM
1/30/2022


Assignment 4
Swagger Editor
CS 561 Notes soft
DT board - Agile
Assignment 4—He
curl POST exampl
Hoppscotch - Op
localhost:3000/v1
hoppscotch.io
Apps
Bookmarks
Gmail
Calendar
My Drive - Google...
Canvas
MyOregonState - O...
AWS Management...
Mail - Delyar Tabat...
Fundamentals of M...
Other bookmarks
Reading list
HOPPSCOTCH
Star 36,070
Save My Workspace
Login
REST
GraphQL
Realtime
Docs
Settings
POST
http://localhost:3000/v1/auth
Send
Save
Parameters 2
Body
Headers
Authorization
Pre-request Script
Tests
Query Parameters
username
Delyar
password
Tabatabai
Parameter 3
Value 3
Status: 200 • OK
Time: 32 ms
Size: 34 B
JSON
Raw
Headers 2
Test Results
Response Body
{
"Sucess": "this is your token..."
}
Search
Just now
POST http://localhost:3000/v1/auth
33 seconds ago
POST http://localhost:3000/v1/auth
1 minute ago
GET http://localhost:3000/v1/hello
3 minutes ago
GET http://localhost:3000/v1/weather
3 weeks ago
POST https://api.openweathermap.org/data/2.5...
POST api.openweathermap.org/data/2.5/weath...
GET api.openweathermap.org/data/2.5/weath...
Help & feedback
Type here to search
46°F Cloudy
ENG
6:48 PM
1/30/2022


File Edit Selection View Go Run Terminal Help
app.js - Visual Studio Code
swagger.yaml
app.js C:\...\mock-weather-server
app.js C:\...\hw4
C: > Users > delyar > Documents > Lab > mock-weather-server > app.js > get_weather > "weather" > "icon"
bodyParser
2 of 2
app.get('/data/2.5/weather',get_weather)
function get_weather(request, response) {
response.json({"coord":{"lon":-123.262,"lat":44.5646},"weather":[{"id":800,"main":"Clear","description":"clear sky","icon":"01n"}],"
}
app.get("/v1/weather", get_weather2)
function get_weather2(request, response) {
console.log('get_weather2 received req for v1 weather')
response.json({"coord":{"lon":-123.262,"lat":44.5646},"weather":[{"id":800,"main":"Clear","description":"clear sky","icon":"01n"}],"
}
app.get("/v1/hello", get_hello)
function get_hello(request, response) {
response.send('Hi!')
}
app.post('/v1/auth',post_auth)
function post_auth(req,res){
var username = req.body.username
var pwd = req.body.password
console.log(username,pwd)
res.json({ "Sucess" : "this is your token..."})
}
Command Prompt
C:\Users\delyar>curl http://localhost:3000/v1/weather
{"coord":{"lon":-123.262,"lat":44.5646},"weather":[{"id":800,"main":"Clear","description":"clear sky","icon":"01n"}],"base":"stations","main":{"temp":282.61,"feels_like":282.61,"temp_min":280.58,"temp_max":285.29,"pressure":1018,"humidity":84},"visibility":10000,"wind":{"speed":0.89,"deg":225,"gust":0.89},"clouds":{"all":0},"dt":1642038331,"sys":{"type":2,"id":2040223,"country":"US","sunrise":1642002454,"sunset":1642035291},"timezone":-28800,"id":5720727,"name":"Corvallis","cod":200}
C:\Users\delyar>curl http://localhost:3000/v1/hello
Hi!
C:\Users\delyar>curl -d "username=Delyar&password=123" -X POST http://localhost:3000/v1/auth
{"Sucess":"this is your token..."}
C:\Users\delyar>
Ln 38, Col 123 Spaces: 5 UTF-8 CRLF {} JavaScript
Type here to search
Rain to stop
ENG
6:41 PM
1/30/2022

Bullet 6:


root@f777d58777e3: /
root@f777d58777e3:/# ls
bin boot code dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys tmp usr var
root@f777d58777e3:/# ls -a
. .dockerenv bin code etc lib lib64 media opt root sbin sys usr
.. .swift_tag boot dev home lib32 libx32 mnt proc run srv tmp var
root@f777d58777e3:/# ls -l code
total 4
drwxr-xr-x 1 root root 4096 Jan 24 01:22 cs561-rust
drwxrwxrwx 1 root root 4096 Jan 24 02:40 cs561-swift
drwxr-xr-x 1 root root 4096 Jan 9 23:20 delyarlib
-rwxrwxrwx 1 root root 485 Jan 24 02:45 docker-compose.yml
drwxrwxrwx 1 root root 4096 Jan 24 01:45 mock-weather-server
drwxrwxrwx 1 root root 4096 Jan 31 03:24 node_modules
-rwxrwxrwx 1 root root 757 Jan 31 03:24 package-lock.json
root@f777d58777e3:/# .
bash: .: filename argument required
.: usage: . filename [arguments]
root@f777d58777e3:/# . code
bash: .: code: is a directory
root@f777d58777e3:/# . package-lock.json
bash: package-lock.json: No such file or directory
root@f777d58777e3:/# . docker-compose.yml
bash: docker-compose.yml: No such file or directory
root@f777d58777e3:/# pwd
/
root@f777d58777e3:/# pwd
/
root@f777d58777e3:/# ls -a
. .dockerenv bin code etc lib lib64 media opt root sbin sys usr
.. .swift_tag boot dev home lib32 libx32 mnt proc run srv tmp var
root@f777d58777e3:/# ls
bin boot code dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys tmp usr var
root@f777d58777e3:/# ps
PID TTY TIME CMD
1 pts/0 00:00:00 bash
20 pts/0 00:00:00 ps
root@f777d58777e3:/# history | grep docker
7 . docker-compose.yml
12 history | grep docker
root@f777d58777e3:/# history > temp.log
root@f777d58777e3:/# open .code
bash: open: command not found
root@f777d58777e3:/# whoami
root
root@f777d58777e3:/#
Type here to search
46°F Cloudy
ENG
7:31 PM
1/30/2022