

# E6156 - Topics in SW Engineering: Cloud Computing (F22)

## HW/Sprint 0

### Introduction and Overview

Lecture 1, slide “Assignment 1/Project Step 1” provides an overview of HW 0. Each student completes the assignment individually. We start working in teams for HW 1/Sprint 1. There are three main sections to the HW:

1. Local environment setup and executing the samples.
2. GitHub setup
3. Deploying and executing the application on AWS.

You complete the sections by including screenshots of various environments, programs, etc.

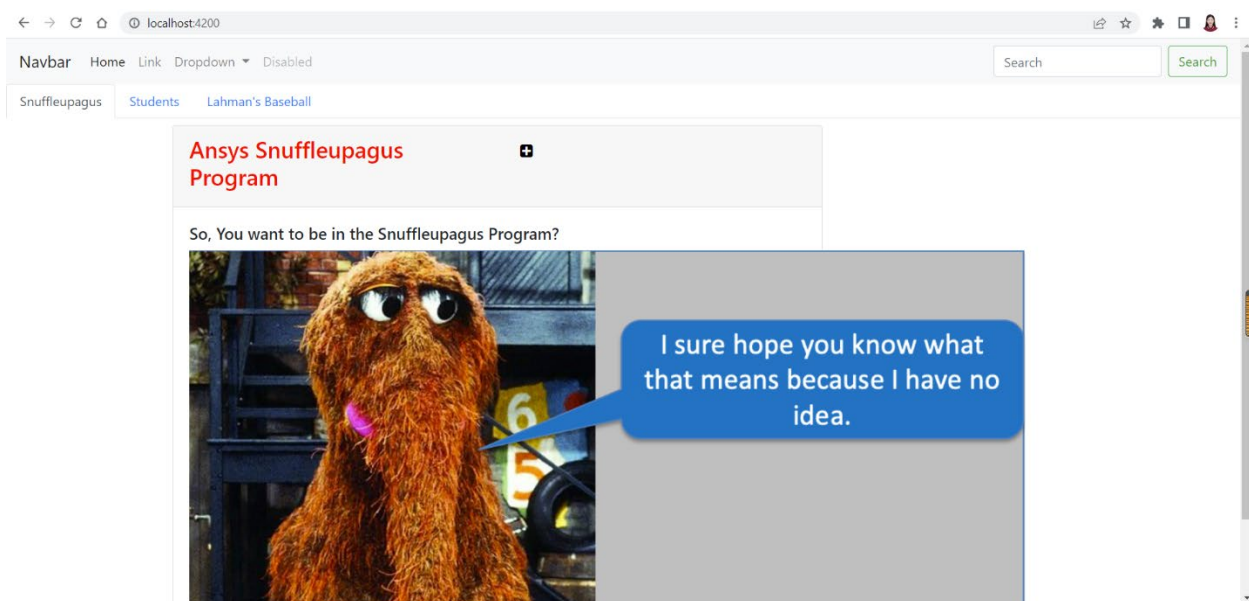
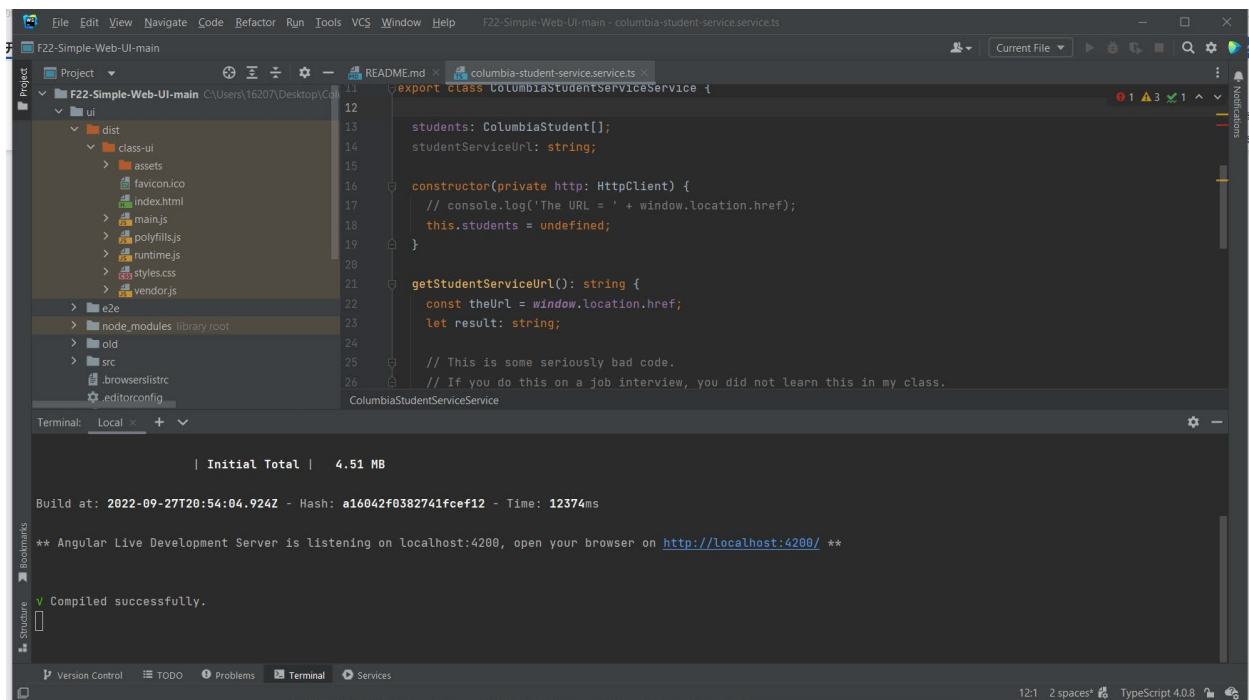
### Local Environment Test

The instructions are to clone and test starter applications:

- UI: <https://github.com/donald-f-ferguson/F22-Simple-Web-UI.git>
- Microservice: <https://github.com/donald-f-ferguson/F22-Starter-Microservice.git>
- DB: <https://github.com/donald-f-ferguson/F22-Starter-DB.git>

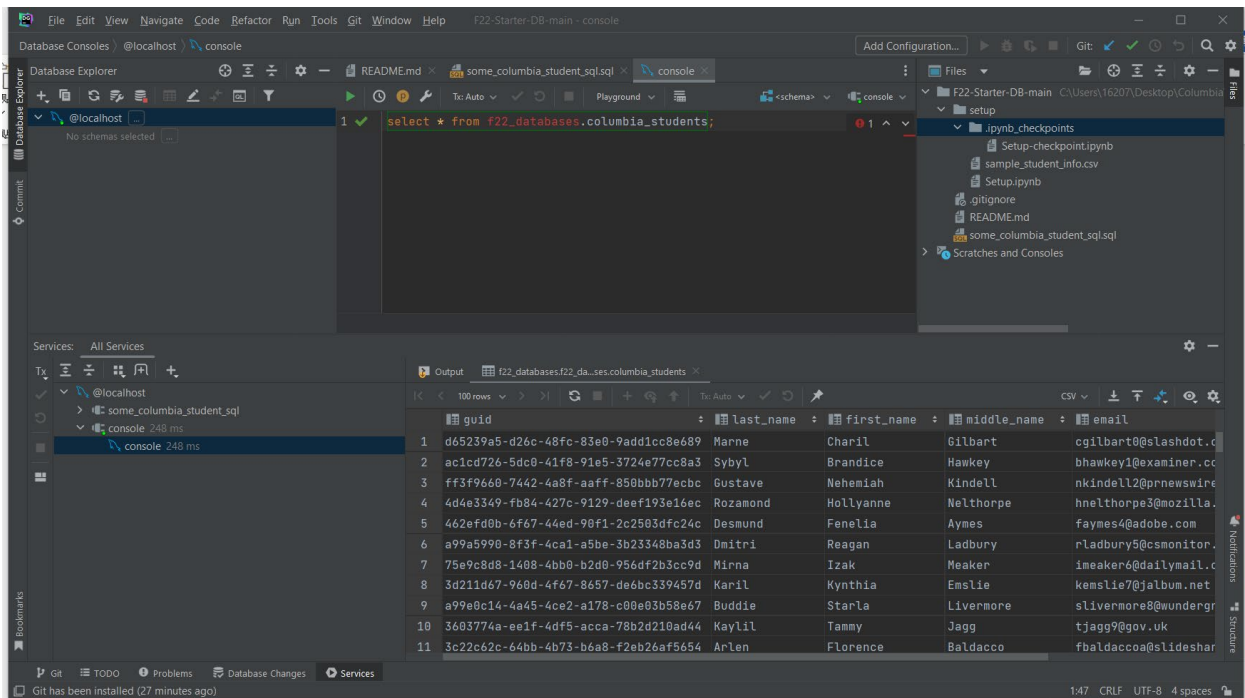
### Web UI

Show a screen capture of the web UI project in WebStorm. Make sure your screenshot shows “ng serve” succeeding. My example is below.



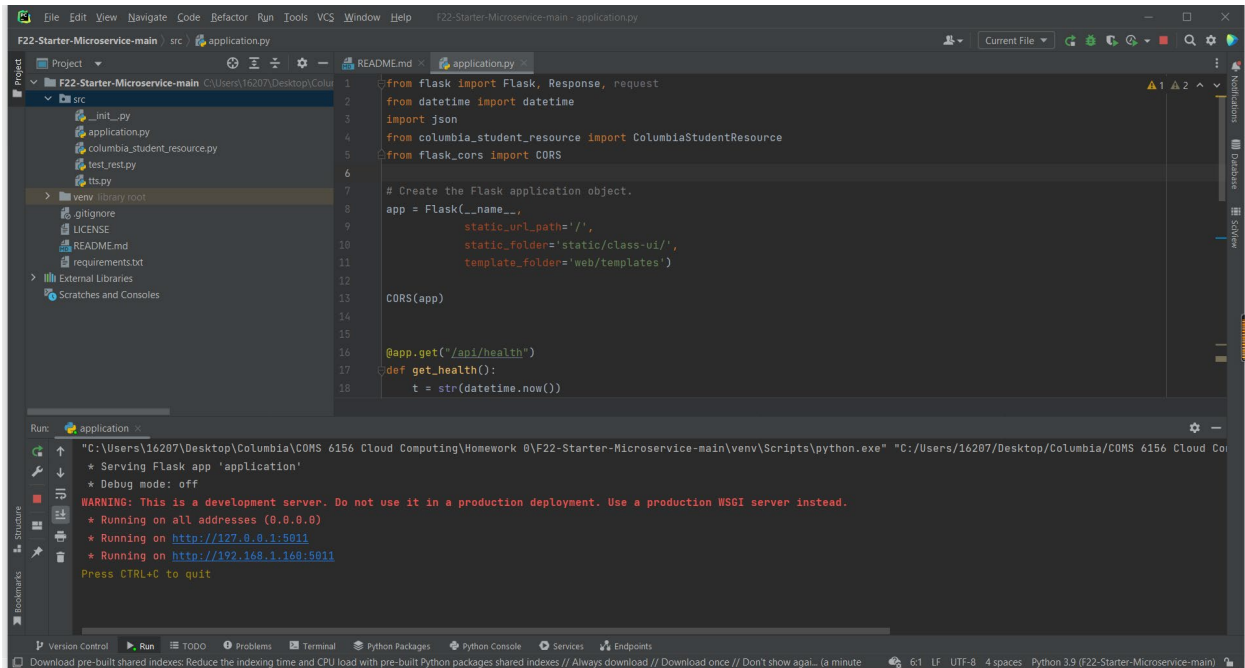
## Database Project

Show a screen capture of your project in DataGrip. My example is below.



## PyCharm Project

Show a screen capture of your project in PyCharm. My example is below. Make sure that you show the application running.



## End-to-End Test

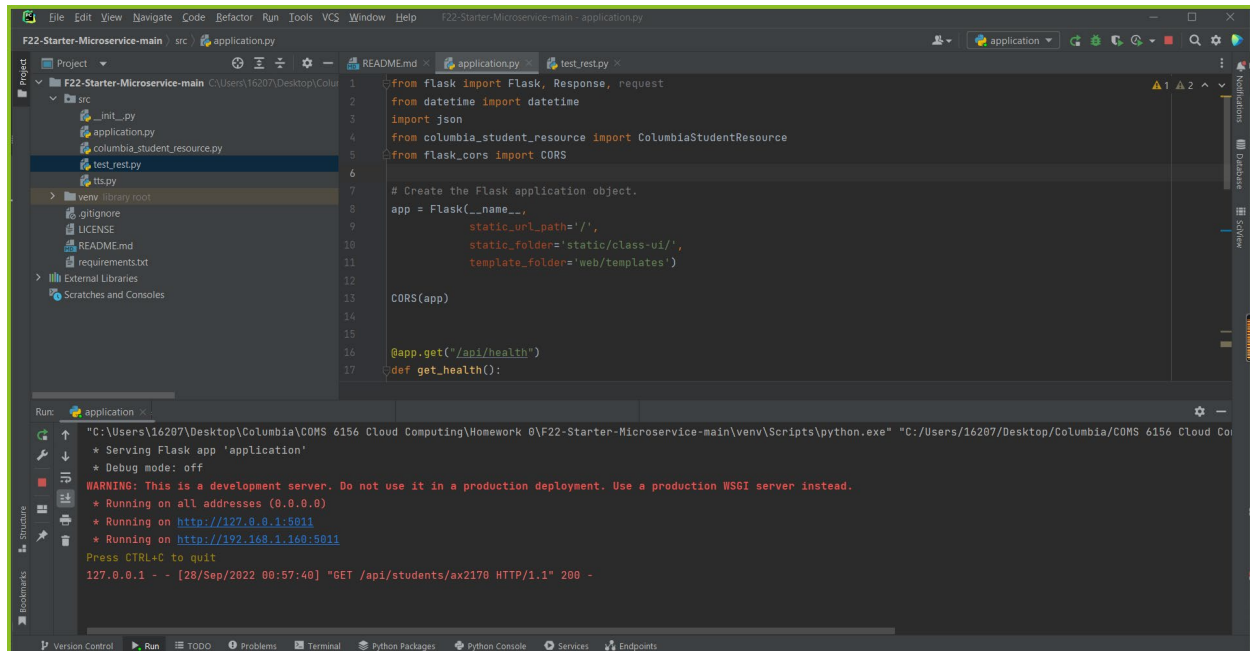
Show the browser window and PyCharm window for an end-to-end test. My example is below.

**Note: Your test must have your uni, name, etc. in the data displayed.**

Use the same approach to screen captures as above.

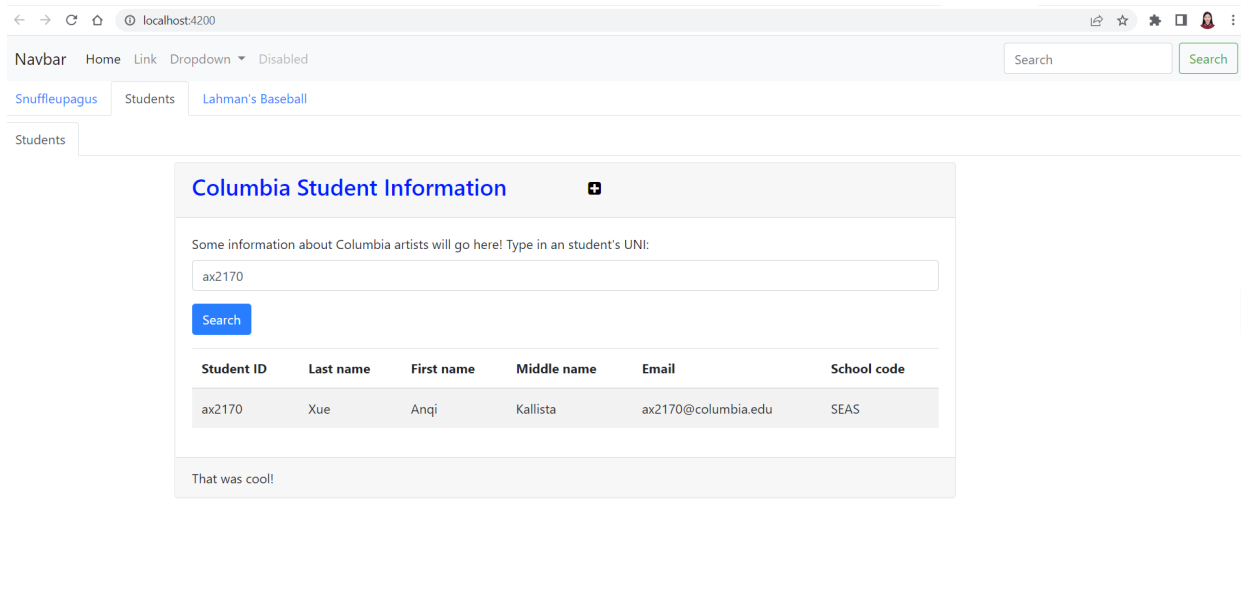
## PyCharm Screenshot

Make sure the terminal window screen capture shows execution.



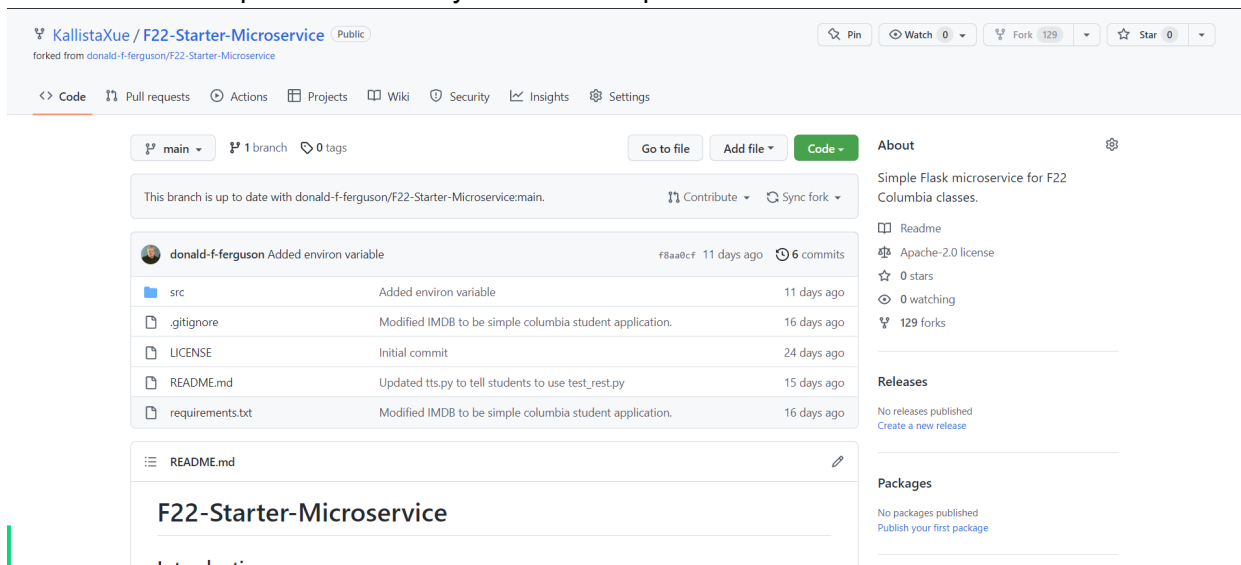
## Browser Window

Include a screen capture showing the result of executing the loop up in the browser application.



# GitHub Repositories

Show a screen capture of each of your GitHub repositories below.



KallistaXue / F22-Simple-Web-UI Public

forked from donald-f-ferguson/F22-Simple-Web-UI

<> Code Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

This branch is up to date with donald-f-ferguson/F22-Simple-Web-UI:main. Contribute Sync fork

donald-f-ferguson Modified to access W4111 database and generated data format. a10a6d8 15 days ago 4 commits

ui	Modified to access W4111 database and generated data format.	15 days ago
.gitignore	Initial commit	24 days ago
LICENSE	Initial commit	24 days ago
README.md	Initial commit	24 days ago

README.md

## F22-Simple-Web-UI

Simple started Angular application for my Columbia Classes, Fall 2022.

About

Simple started Angular application for my Columbia Classes, Fall 2022.

Readme

Apache-2.0 license

0 stars

0 watching

126 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

KallistaXue / F22-Starter-DB Public

forked from donald-f-ferguson/F22-Starter-DB

<> Code Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

This branch is up to date with donald-f-ferguson/F22-Starter-DB:main. Contribute Sync fork

donald-f-ferguson Initial commit. 26faf13 17 days ago 4 commits

.idea	Updated the project	24 days ago
setup	Initial commit.	17 days ago
.gitignore	Initial commit	24 days ago
README.md	Initial commit	24 days ago
some_columbia_student_sql.sql	Updated the project	24 days ago

README.md

## F22-Starter-DB

Simple starter database project for F22 Columbia classes.

About

Simple starter database project for F22 Columbia classes.

Readme

0 stars

0 watching

128 forks

Releases

No releases published

Create a new release

Packages

No packages published

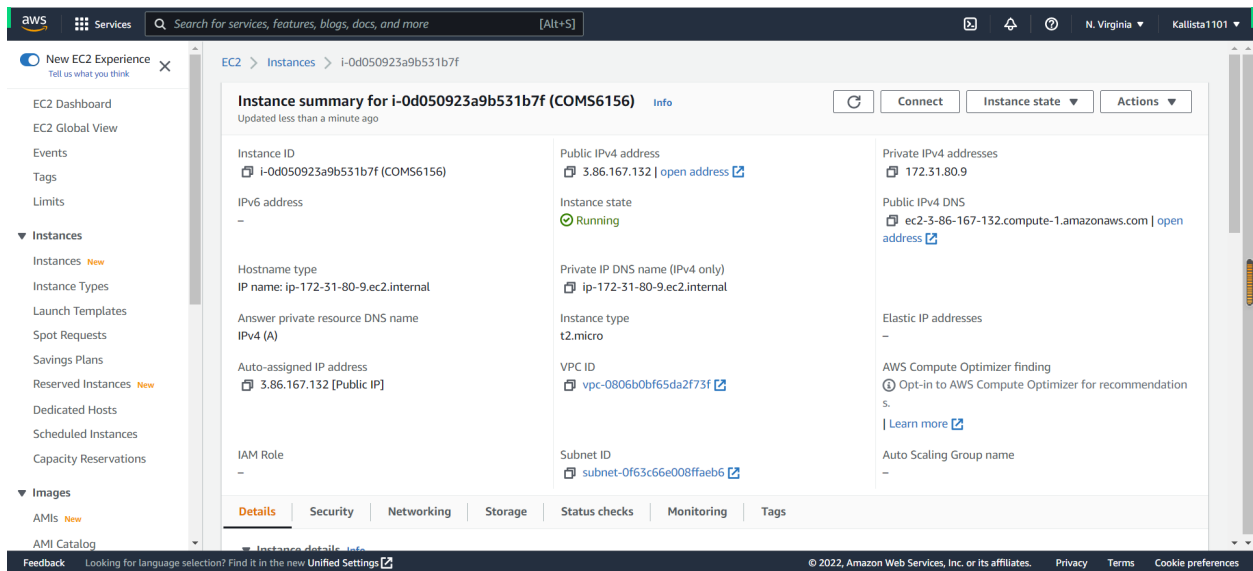
Publish your first package

Languages

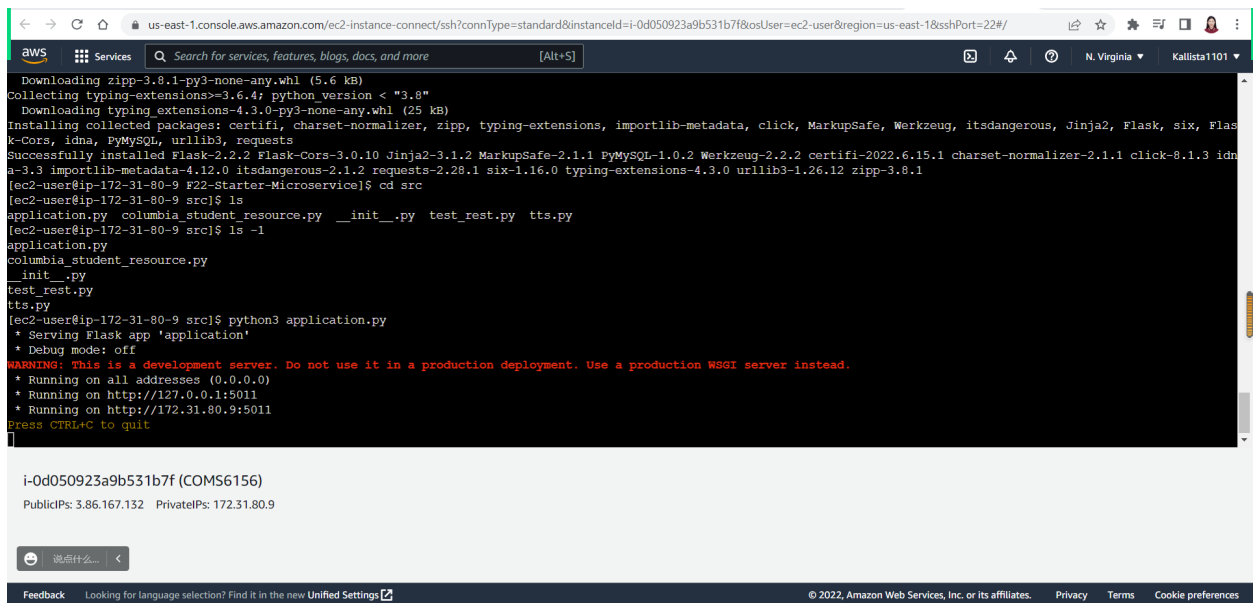
# AWS

## EC2

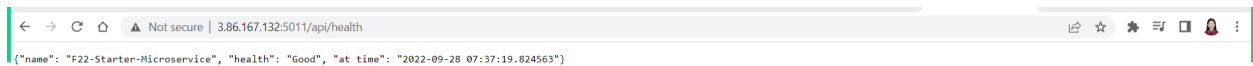
Show a screen capture of your EC2 instance.



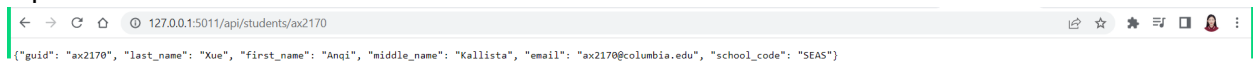
Show a screen capture of the terminal and your application executing.



Show a screen capture of a browser window showing execution of the health path.



Show a screen capture of a browser window showing retrieving a student through the path `/api/students/<uuid>`.



Show a screenshot of your RDS instance.

