

# COMSE6156 - Topics in SW Engineering: Cloud Computing

## Sprint 0 Status Report

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### Overview

Sprint is a concept from [Agile SW development](#). Project teams will follow a simplified version of agile development to build their projects. A core concept in agile development is a *sprint*.



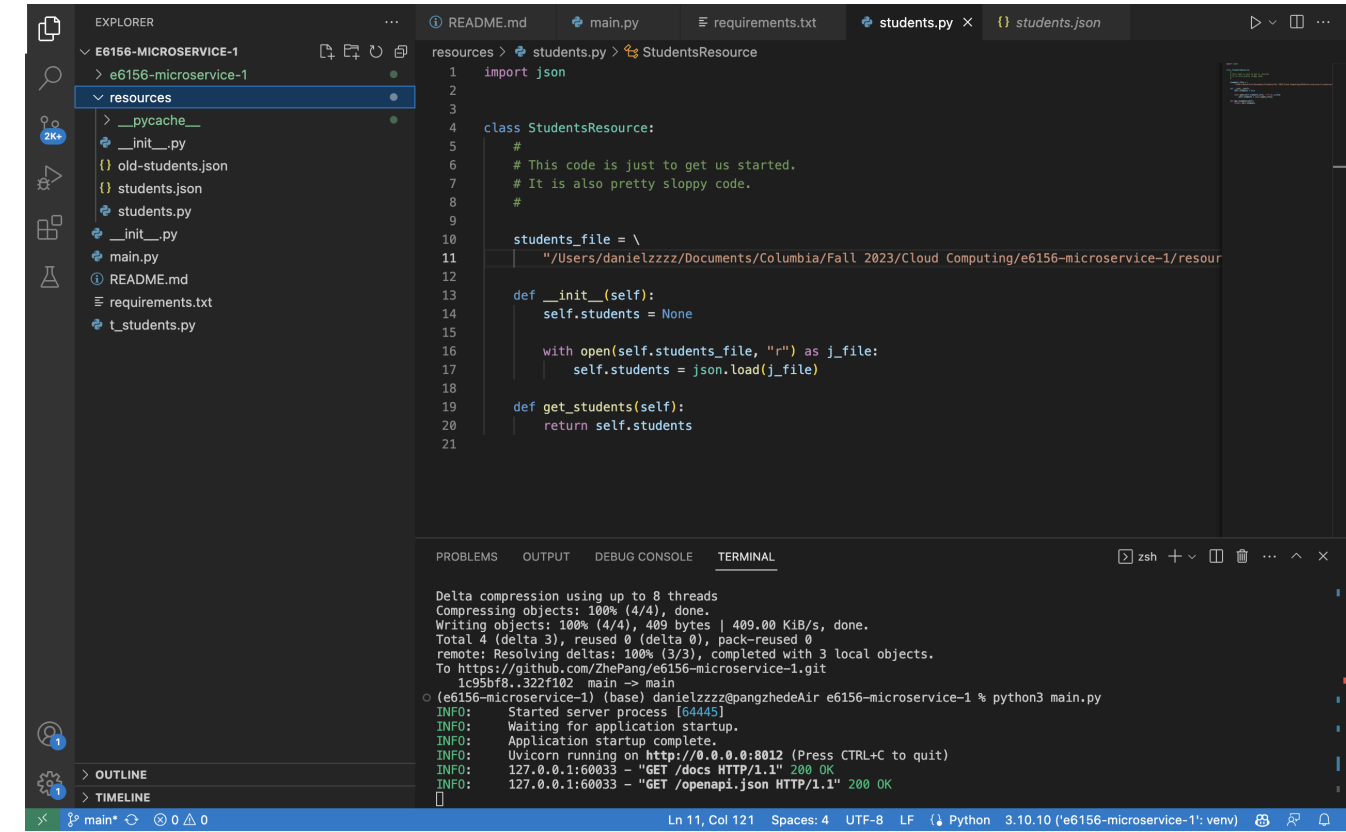
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### Agile Development: Sprints

Sprint-0 is an individual sprint that focus on setting up their environments. All students must complete the sprint individually. This document is the template for submitting a status report on Sprint-0. Completing the report is simply taking screenshots and including them in the relevant sections of the Markdown document. You will submit a PDF version of the Markdown to GradeScope. We will post submission instructions on Ed for submitting the report.

### Clone and Modify the Starter Project

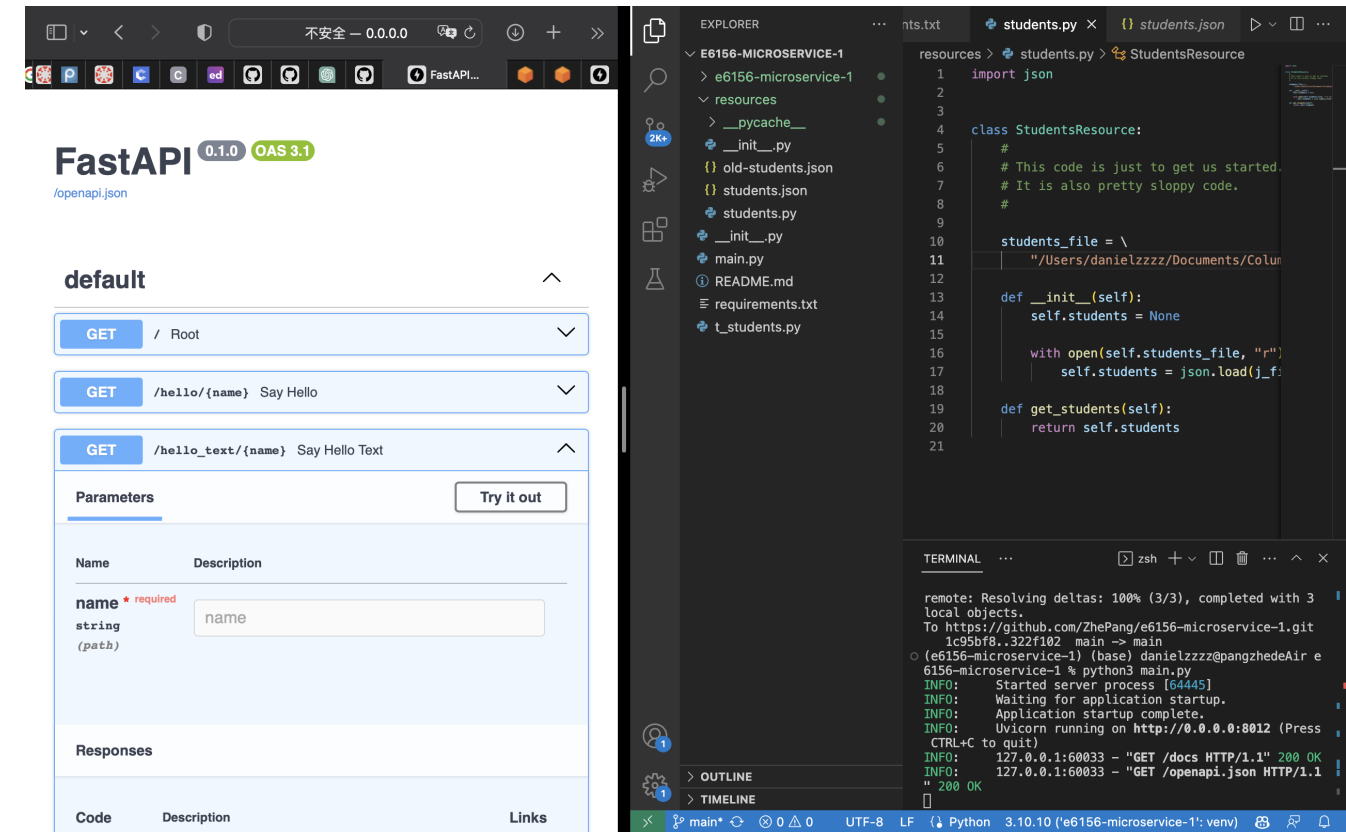
- Place a screen capture of your directory below. Display the structure in a terminal window, PyCharm, file explorer or any other mechanism.



Cloned Project

Execute the Starter Project

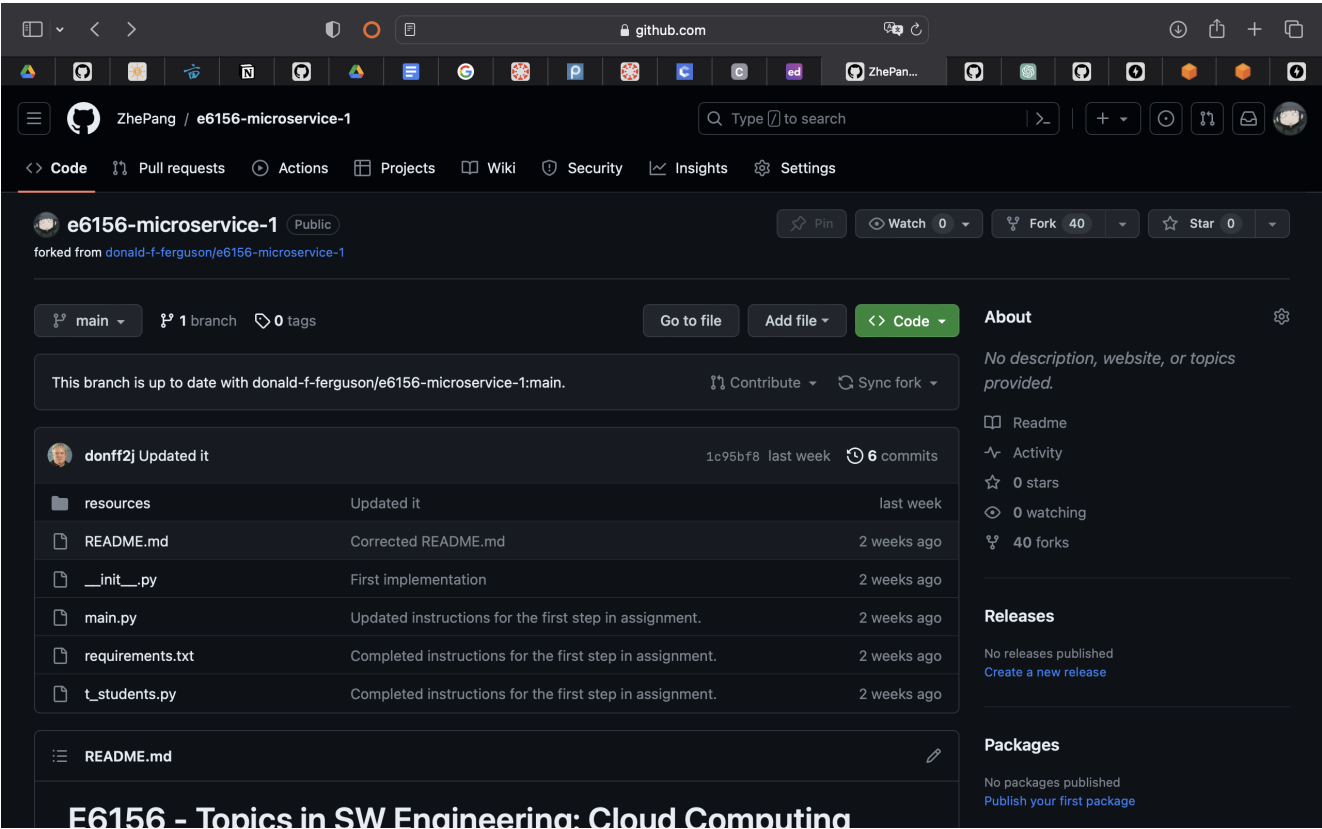
You can choose any formats for the screen capture as long as it shows your project executing. My simple example shows and execution window and browser side-by-side.



Project Execution

Create Your Own GitHub Project

Make a copy of the project and create a project in GitHub. Show the project.



Project on GitHub

Deploy and Test Project on AWS

Show the information about your VM through the console.

**Instance summary for i-0dd0b1ba8269a87bc (task1)** Info

Updated less than a minute ago

Instance ID i-0dd0b1ba8269a87bc (task1)	Public IPv4 address 18.191.8.216 <a href="#">open address</a>	Private IPv4 addresses 172.31.1.188
IPv6 address -	Instance state <b>Running</b>	Public IPv4 DNS ec2-18-191-8-216.us-east-2.compute.amazonaws.com <a href="#">open address</a>
Hostname type IP name: ip-172-31-1-188.us-east-2.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-1-188.us-east-2.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding <a href="#">Opt-in to AWS Compute Optimizer for recommendations.</a> <a href="#">Learn more</a>
Auto-assigned IP address 18.191.8.216 [Public IP]	VPC ID vpc-08d6abaeb5c2ef388	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-0e12fa8d66de06a9f	
IMDSv2 Required		

## AWS Console

Show the application running in the EC2 terminal and browser.

**FastAPI 0.1.0 OAS 3.1**

/openapi.json

**default**

**GET / Root**

**GET /hello/{name} Say Hello**

**Parameters**

Name	Description
name * required	
string	dude
(path)	

**Execute** **Clear**

**Responses**

**Curl**

```
curl -X 'GET' \
'http://ec2-18-191-8-216.us-east-2.compute.amazonaws.com:8012/hello/dude'
```

## Service Running