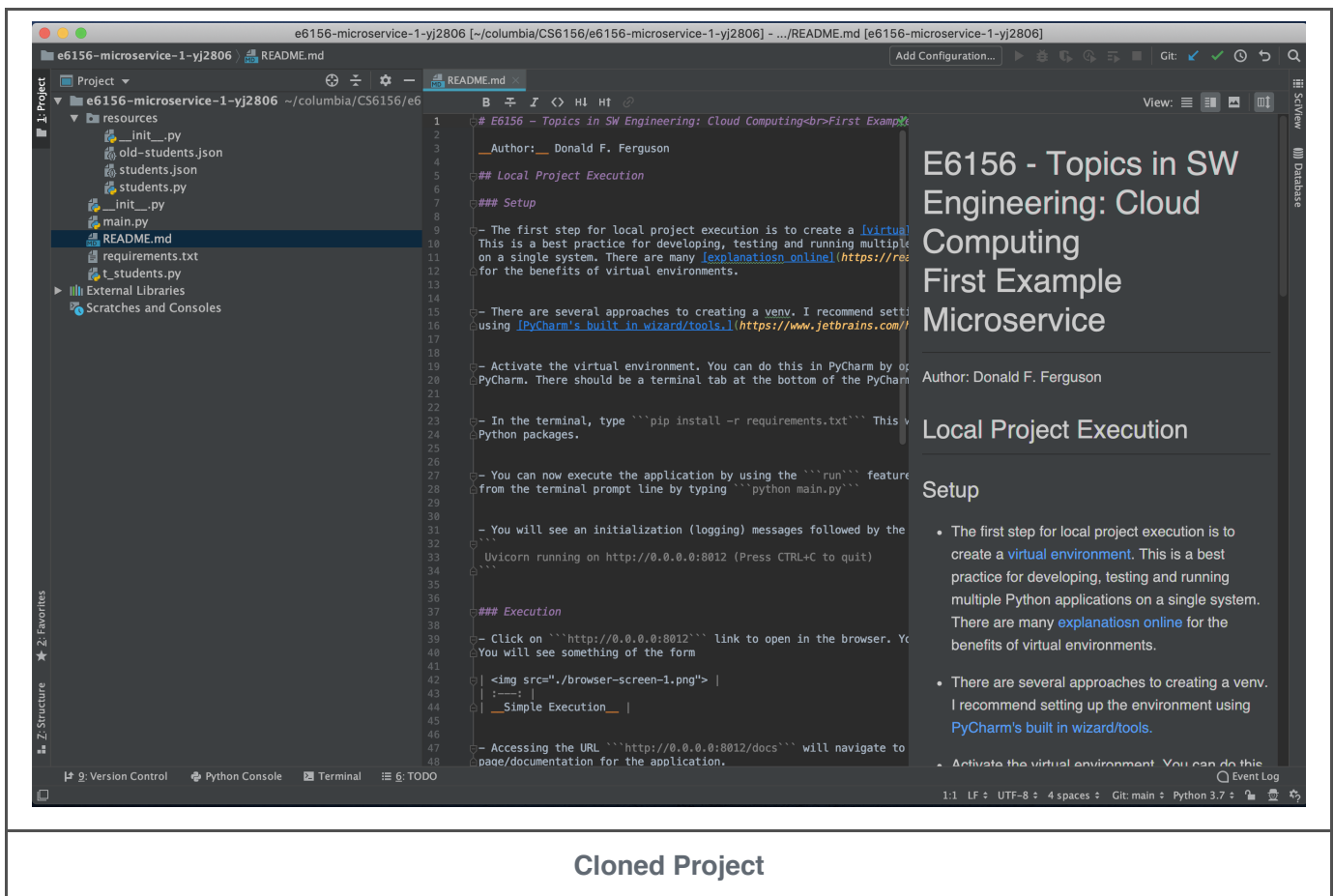


COMSE6156 - Sprint 0 Status Report (You Ji / yj2806)

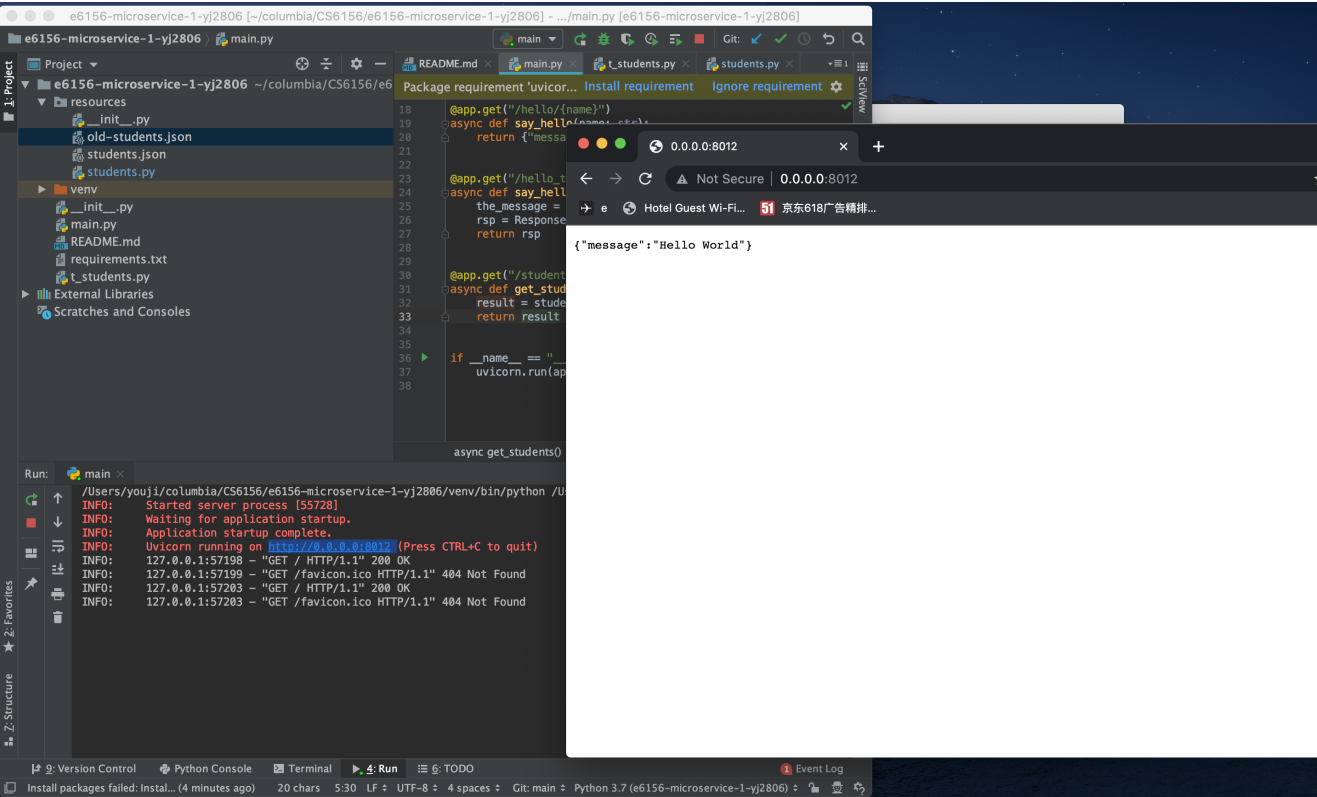
Clone and Modify the Starter Project

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



Execute the Starter Project

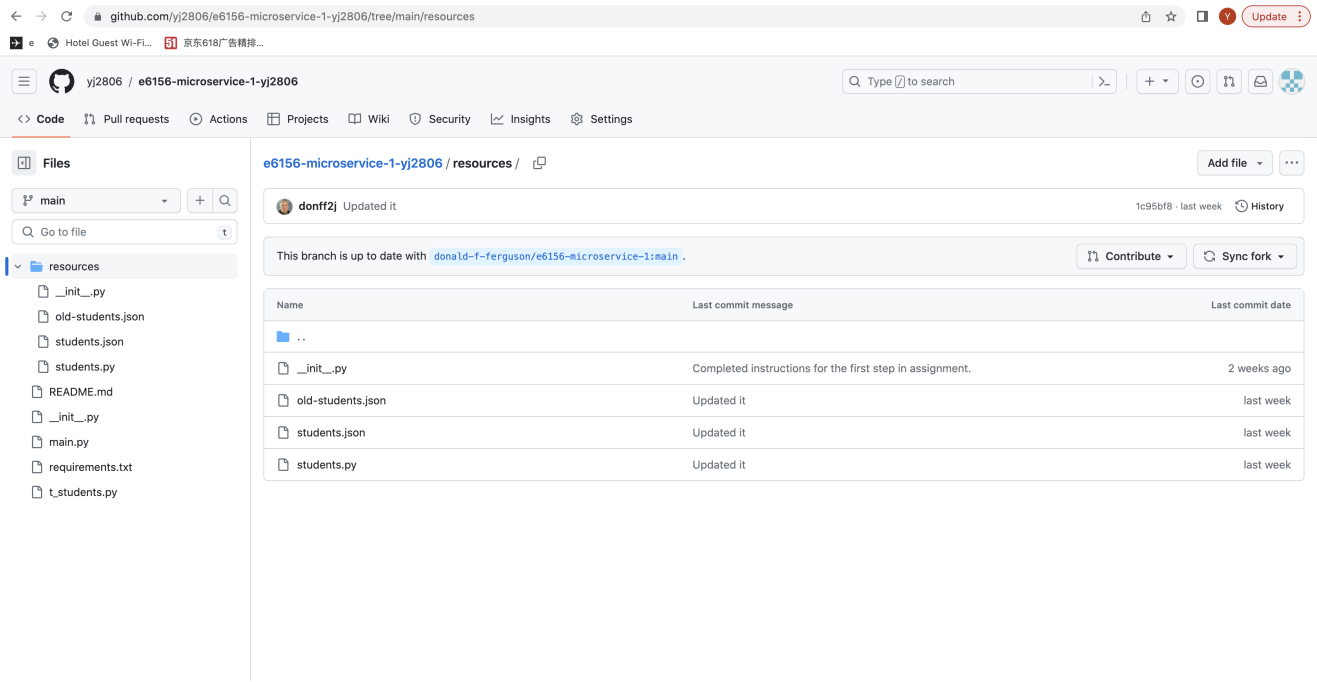
You can choose any formats for the screen capture as long as it shows your project executing. My simple example shows and execution window and browser side-by-side.



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.

New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

CloudShell

Feedback

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-076ee08ced6583ab5

Services

Search

[Option+S]

N. Virginia

yj2806

Instance summary for i-076ee08ced6583ab5 (e6156-microservice-1-yj2806)

Updated less than a minute ago

Refresh

Connect

Instance state

Actions

Instance ID	Public IPv4 address	Private IPv4 addresses
i-076ee08ced6583ab5 (e6156-microservice-1-yj2806)	18.232.138.133 [open address]	172.31.36.126
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-18-232-138-133.compute-1.amazonaws.com [open address]
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-31-36-126.ec2.internal	ip-172-31-36-126.ec2.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
IPv4 (A)	t2.micro	Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address	VPC ID	Auto Scaling Group name
18.232.138.133 [Public IP]	vpc-0e253f127071fa61a	-
IAM Role	Subnet ID	
-	subnet-0c3ae4db3468efa2a	
IMDSv2		
Required		

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance details

Platform	AMI ID	Monitoring
Amazon Linux (Inferred)	ami-03a6eaae9938c858c	disabled
Platform details	AMI name	Termination protection
Linux/UNIX	al2023-ami-2023.2.20230920.1-kernel-6.1-x86_64	Disabled
Stop protection	Launch time	AMI location
Disabled	Wed Sep 20 2023 22:56:30 GMT-0400 (Eastern Daylight Time) (11 minutes)	amazon/al2023-ami-2023.2.20230920.1-kernel-6.1-x86_64

AWS Console

Show the application running in the EC2 terminal and browser.

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard...

Hotel Guest Wi-Fi... 京东618广告精排...

Services Search [Option+S]

N. Virginia yj2806

58 kB 10.6 MB/s

Collecting idna==3.4

Downloading idna-3.4-py3-none-any.whl (61 kB)

61 kB 223 kB/s

Collecting pydantic==2.3.0

Downloading pydantic-2.3.0-py3-none-any.whl (374 kB)

374 kB 41.9 MB/s

Collecting pydantic_core==2.6.3

Downloading pydantic_core-2.6.3-cp39-cp39-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (1.9 MB)

1.9 MB 40.2 MB/s

Collecting sniffio==1.3.0

Downloading sniffio-1.3.0-py3-none-any.whl (10 kB)

Collecting starlette==0.27.0

Downloading starlette-0.27.0-py3-none-any.whl (66 kB)

66 kB 9.8 MB/s

Collecting typing_extensions==4.7.1

Downloading typing_extensions-4.7.1-py3-none-any.whl (33 kB)

Collecting uvicorn==0.23.2

Downloading uvicorn-0.23.2-py3-none-any.whl (59 kB)

59 kB 12.4 MB/s

Collecting exceptiongroup

Downloading exceptiongroup-1.1.3-py3-none-any.whl (14 kB)

Installing collected packages: typing-extensions, sniffio, idna, exceptiongroup, pydantic-core, anyio, annotated-types, starlette, pydantic, h11, click, uvicorn, fastapi

ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source of the following dependency conflicts.

requests 2.25.1 requires idna<3,>=2.5, but you have idna 3.4 which is incompatible.

Successfully installed annotated-types-0.5.0 anyio-3.7.1 click-8.1.7 exceptiongroup-1.1.3 fastapi-0.103.1 h11-0.14.0 idna-3.4 pydantic-2.3.0 pydantic-core-2.6.3 sniffio-1.3.0 starlette-0.27.0 typing-extensions-4.7.1 uvicorn-0.23.2

[ec2-user@ip-172-31-36-126 e6156-microservice-1-yj2806]\$ python3 main.py

INFO: Started server process [26555]

INFO: Waiting for application startup.

INFO: Application startup complete.

INFO: Uvicorn running on http://0.0.0.0:8012 (Press CTRL+C to quit)

INFO: 71.232.207.189:57831 - "GET / HTTP/1.1" 200 OK

INFO: 71.232.207.189:57831 - "GET /favicon.ico HTTP/1.1" 404 Not Found

INFO: 71.232.207.189:57851 - "GET / HTTP/1.1" 200 OK

INFO: 71.232.207.189:57851 - "GET / HTTP/1.1" 200 OK

INFO: 71.232.207.189:57851 - "GET / HTTP/1.1" 200 OK

CloudShell Feedback Screenshot Privacy Terms Cookie preferences

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ec2-18-232-138-133.compute-1.amazonaws.com

Not Secure ec2-18-232-138-133.c...

Hotel Guest Wi-Fi... 京东618广告精排...

{"message": "Hello World!"}

Service Running