

sh4230 /
E6156-Cloud-Computing-F23

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E6156-Cloud-Computing-F23 / Status-Reports / sprint-0-status.md



donff2j Sprint 0 Report

2 days ago



60 lines (39 loc) · 2.06 KB

Preview

Code

Blame

Raw



COMSE6156 - Topics in SW Engineering: Cloud Computing Sprint 0 Status Report

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*.

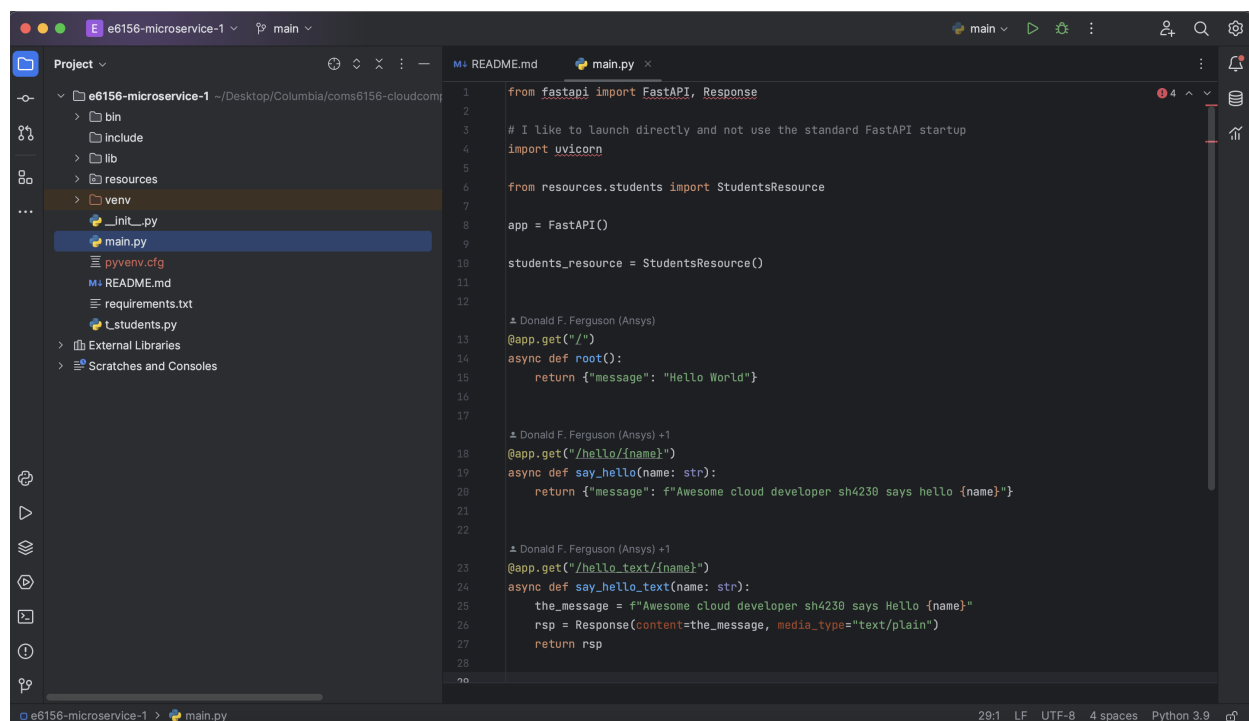


Agile Development: Sprints

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

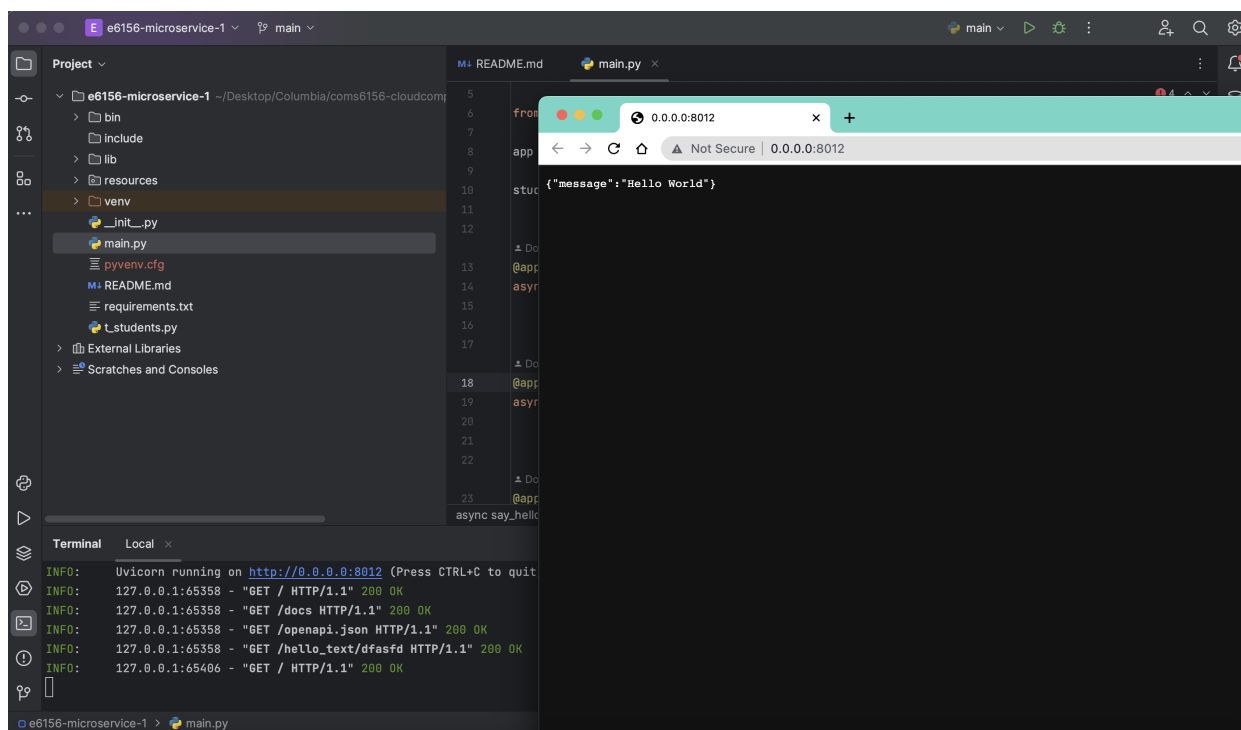
- Place a screen capture of your directory below. Display the structure in a terminal window, PyCharm, file explorer or any other mechanism.



Cloned Project

Execute the Starter Project

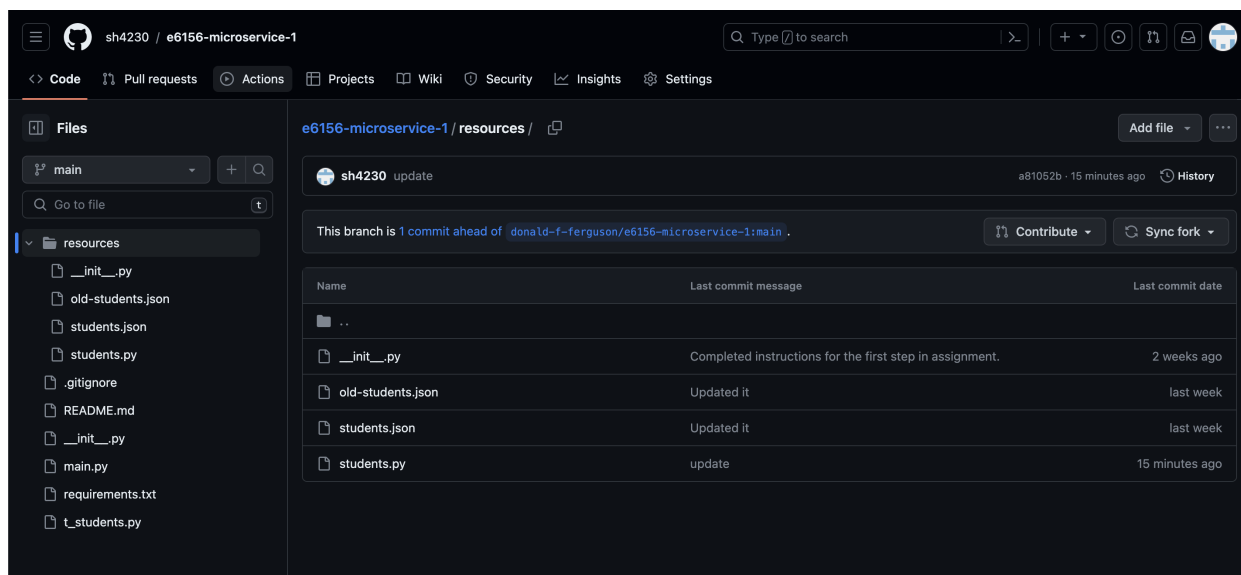
You can choose any formats for the screen capture as long as it shows your project executing. My simple example shows and execution window and browser side-by-side.



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.

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

Instance summary for i-0ad007786544d1aad (demo1)

Instance ID

i-0ad007786544d1aad (demo1)

IPv6 address

-

Hostname type

IP name: ip-172-31-45-124.ec2.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

3.94.255.173 [Public IP]

IAM Role

-

IMDSv2

Required

Public IPv4 address

3.94.255.173 [open address]

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-45-124.ec2.internal

Instance type

t2.micro

VPC ID

vpc-005f18076f7adaf1 [open address]

Subnet ID

subnet-058c546f3c58f644 [open address]

Private IPv4 addresses

172.31.45.124

Public IPv4 DNS

ec2-3-94-255-173.compute-1.amazonaws.com [open address]

Elastic IP addresses

-

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. [Learn more]

Auto Scaling Group name

-

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance details

Platform

Amazon Linux (Inferred)

AMI ID

ami-04cb4ca688797756f

Monitoring

disabled

AMI name

al2023-ami-2023.1.20230912.0-kernel-6.1-x86_64

Termination protection

Disabled

Platform details

Linux/UNIX

Launch time

Wed Sep 20 2023 11:58:40 GMT-0400 (Eastern Daylight Time) (about 2 hours)

AMI location

amazon/al2023-ami-2023.1.20230912.0-kernel-6.1-x86_64

Stop protection

Disabled

Lifecycle

normal

Stop-hibernate behavior

Disabled

Instance auto-recovery

Default

Key pair assigned at launch

demo1

State transition reason

-

AMI Launch index

0

AWS Console

Show the application running in the EC2 terminal and browser.

EC2 Instance Connect | us-east-1

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0ad007786544d1aad

Services

Search

[Option+S]

INFO: Application startup complete.

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

CINFO: Shutting down

INFO: Waiting for application shutdown.

INFO: Application shutdown complete.

INFO: Finished server process [29328]

ec2-user@ip-172-31-45-124 e6156-microservice-1]\$ python main.py &

1) 29499

ec2-user@ip-172-31-45-124 e6156-microservice-1\$ INFO: Started server process [29499]

INFO: Waiting for application startup.

INFO: Application startup complete.

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

ec2-user@ip-172-31-45-124 e6156-microservice-1\$ ps

PID TTY TIME CMD

5363 pts/0 00:00:00 bash

29499 pts/0 00:00:00 python

29500 pts/0 00:00:00 ps

ec2-user@ip-172-31-45-124 e6156-microservice-1\$ INFO: 128.59.176.32:49177 - "GET /

INFO: 128.59.176.32:49177 - "GET /favicon.ico HTTP/1.1" 404 Not Found

i-0ad007786544d1aad (demo1)

ec2-3-94-255-173.compute-1

Not Secure | ec2-3-94-255-173.compute-1.amazonaws.com:8012

{ "message": "Hello World" }

Service Running