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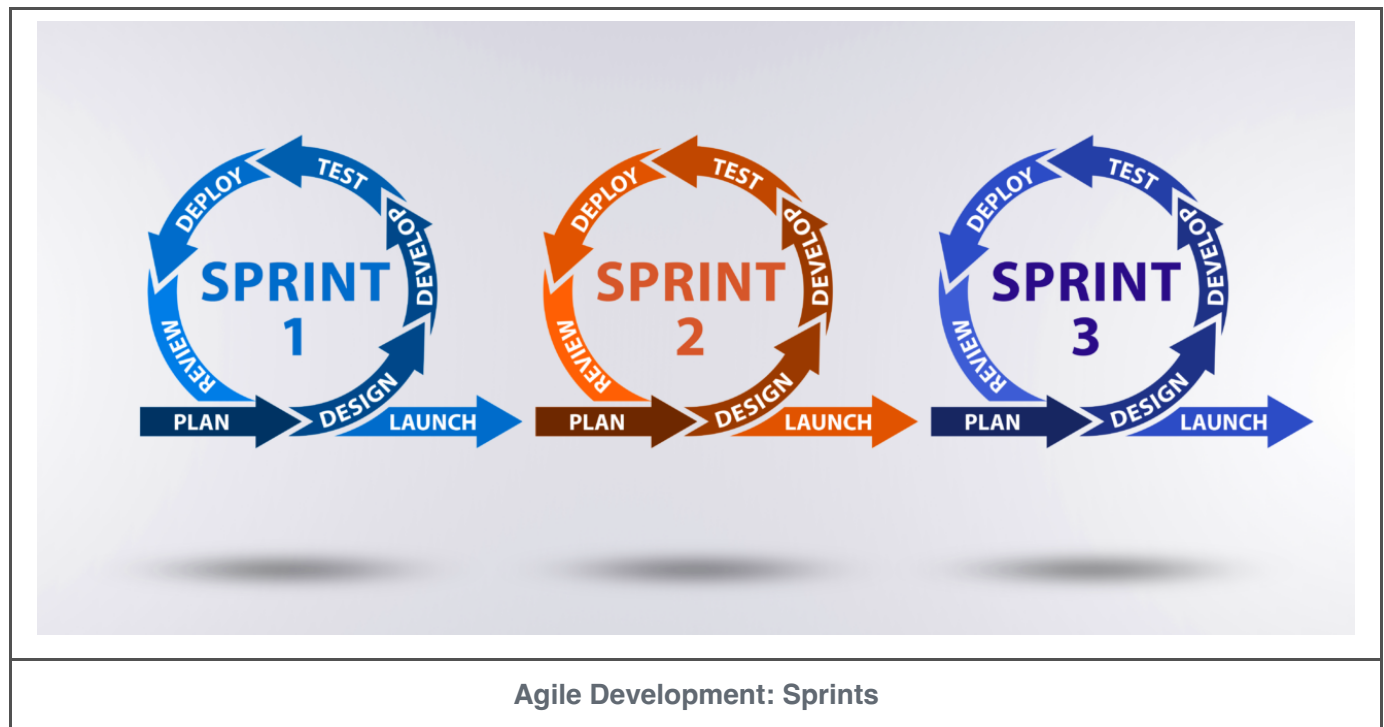
Overview

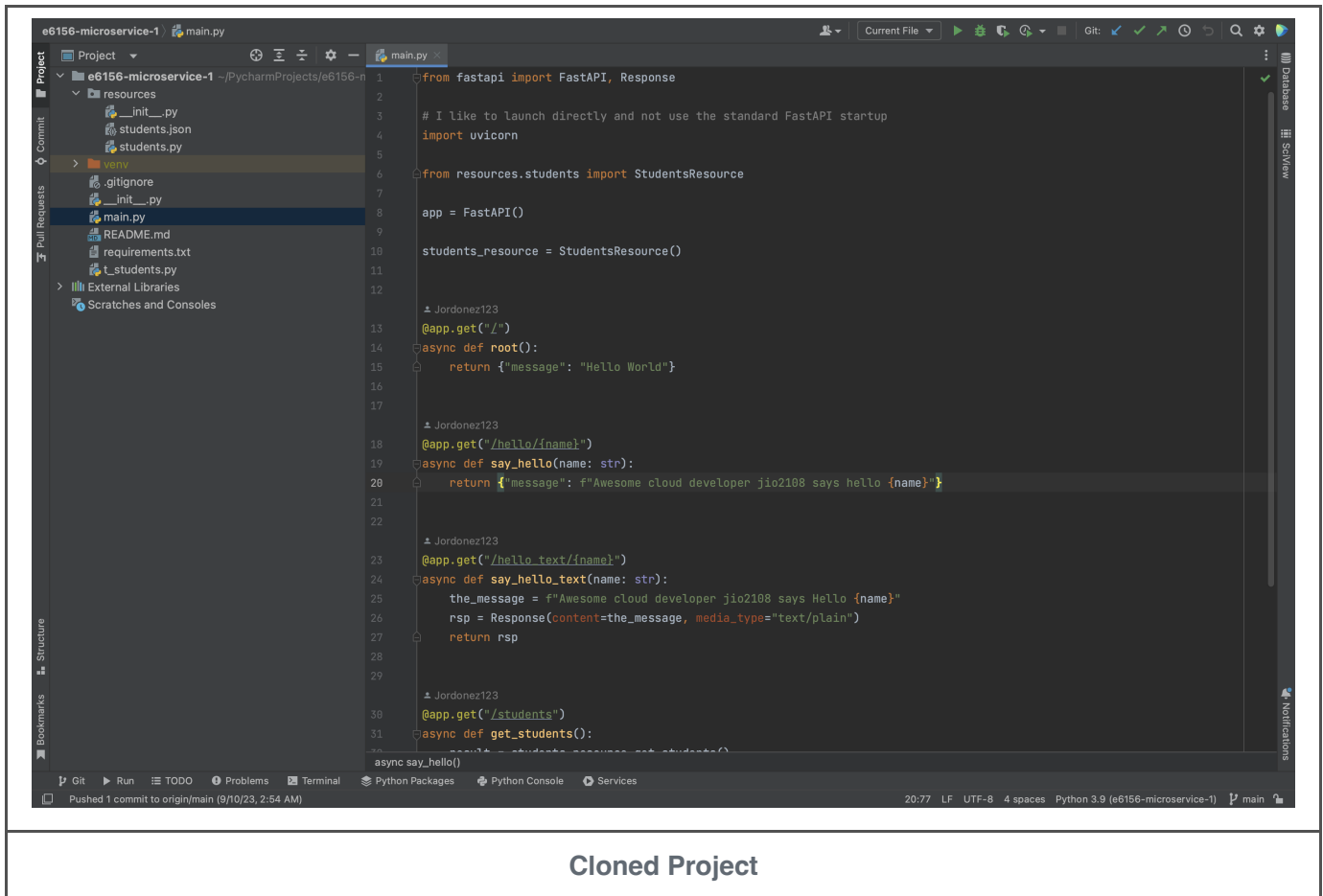Name: Jordan Israel Ordonez Chaguay.

Uni: jio2108

Date: 9/18/2023

Sprint in 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.
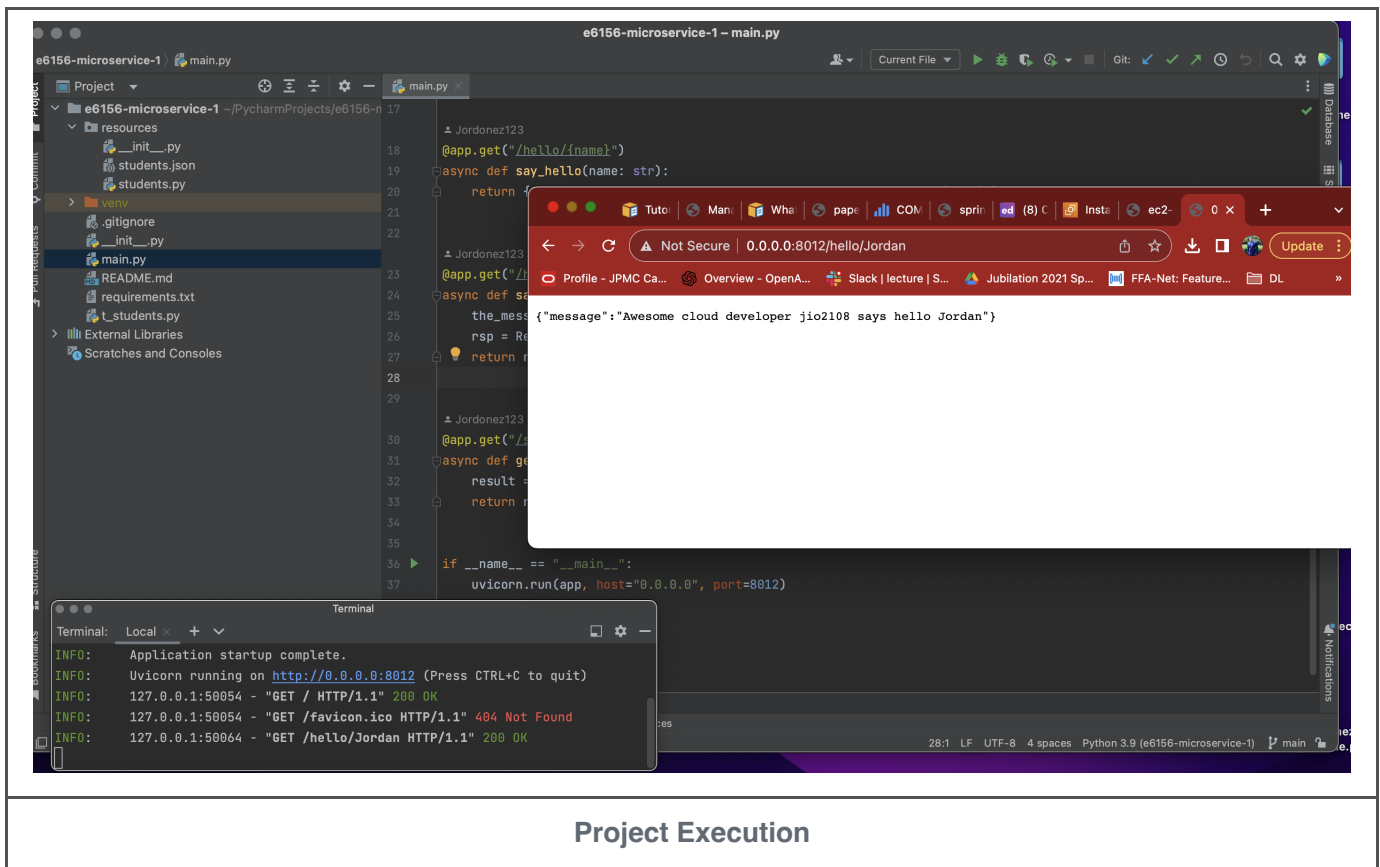
Clone and Modify the Starter Project

- Here's a screen capture of my directory below. Displayed are the structure in a PyCharm window.

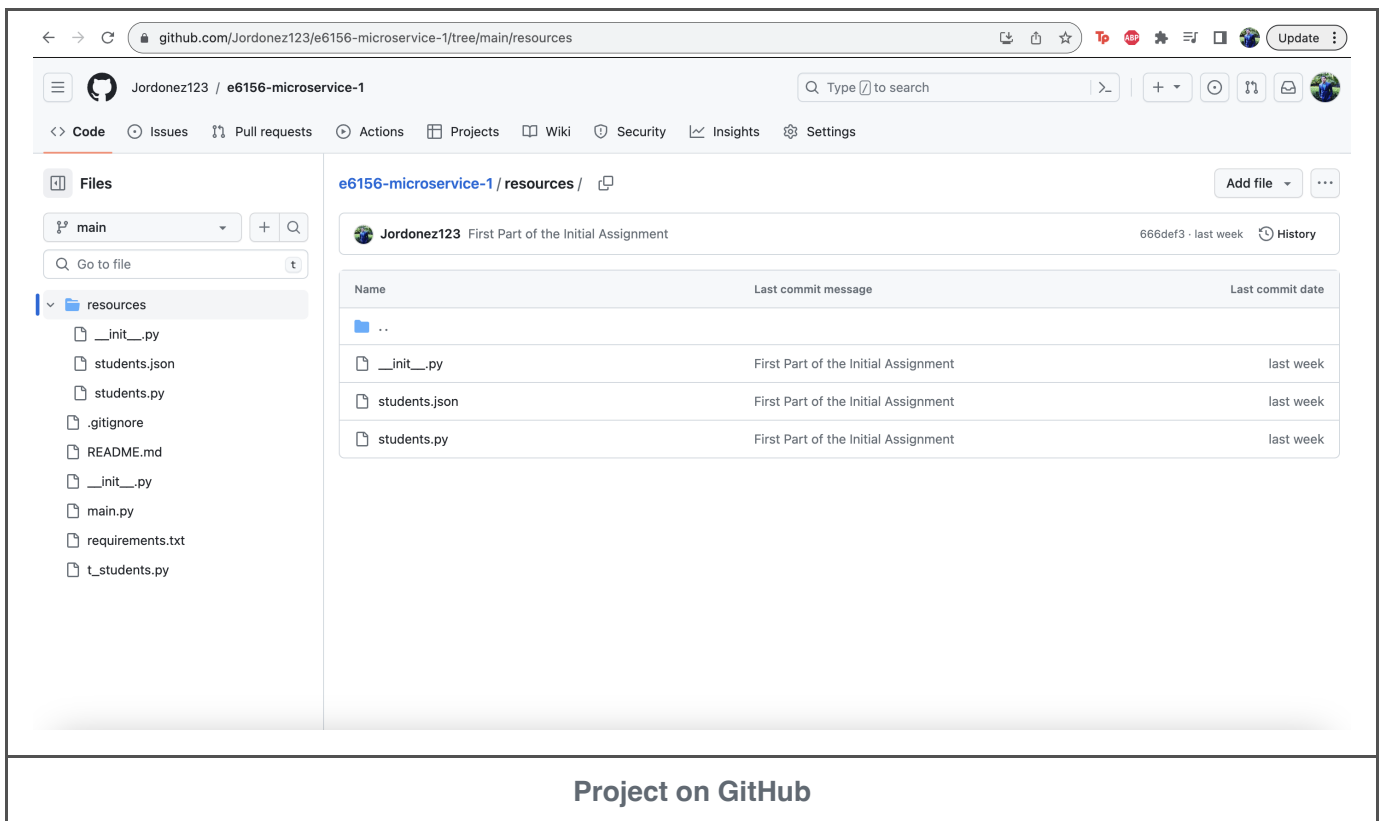**Cloned Project**

Execute the Starter Project

Here's my project executing. My example shows and execution window and browser side-by-side.

Project Execution

Create Your Own GitHub Project

I've made a copy of the project and created a project in GitHub.

Project on GitHub

Deploy and Test Project on AWS

Here's information about my VM through the console.

AWS Console

Here's my application running in the EC2 terminal and browser.

{"message":"Awesome cloud developer jio2108 says hello Jordan"}

```
Last login: Tue Sep 19 02:10:12 2023 from 209.2.228.44
[ec2-user@ip-172-31-42-247 ~]$ ls -al
total 24
drwx------. 6 ec2-user ec2-user  167 Sep 19 02:14 .
drwxr-xr-x. 3 root     root       22 Sep 10 18:20 ..
-rw-------. 1 ec2-user ec2-user  850 Sep 19 02:18 .bash_history
-rw-r--r--. 1 ec2-user ec2-user   18 Jan 28  2023 .bash_logout
-rw-r--r--. 1 ec2-user ec2-user  141 Jan 28  2023 .bash_profile
-rw-r--r--. 1 ec2-user ec2-user  492 Jan 28  2023 .bashrc
drwxr-xr-x. 3 ec2-user ec2-user   17 Sep 10 18:28 .cache
drwx------. 4 ec2-user ec2-user   28 Sep 10 18:29 .local
drwx------. 2 ec2-user ec2-user   29 Sep 10 18:20 .ssh
-rw-------. 1 ec2-user ec2-user 4646 Sep 19 02:14 .viminfo
drwxr-xr-x. 4 ec2-user ec2-user  149 Sep 19 02:14 e6156-microservice-1
[ec2-user@ip-172-31-42-247 ~]$ ls
e6156-microservice-1
[ec2-user@ip-172-31-42-247 ~]$ cd
.cache/           .local/           .ssh/             e6156-microservice-1/
[ec2-user@ip-172-31-42-247 ~]$ cd e6156-microservice-1/
[ec2-user@ip-172-31-42-247 e6156-microservice-1]$ ls -al
total 20
drwxr-xr-x. 4 ec2-user ec2-user  149 Sep 19 02:14 .
drwx------. 6 ec2-user ec2-user  167 Sep 19 02:14 ..
drwxr-xr-x. 8 ec2-user ec2-user  163 Sep 19 02:14 .git
-rw-r--r--. 1 ec2-user ec2-user   52 Sep 10 18:24 .gitignore
-rw-r--r--. 1 ec2-user ec2-user 2961 Sep 10 18:24 README.md
-rw-r--r--. 1 ec2-user ec2-user    0 Sep 10 18:24 __init__.py
-rw-r--r--. 1 ec2-user ec2-user  850 Sep 19 02:14 main.py
-rw-r--r--. 1 ec2-user ec2-user  199 Sep 10 18:24 requirements.txt
drwxr-xr-x. 3 ec2-user ec2-user   84 Sep 10 22:27 resources
-rw-r--r--. 1 ec2-user ec2-user  479 Sep 10 18:24 t_students.py
[ec2-user@ip-172-31-42-247 e6156-microservice-1]$ python3 main.py
INFO:     Started server process [3512]
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:     209.2.228.44:50153 - "GET / HTTP/1.1" 200 OK
INFO:     209.2.228.44:50154 - "GET /hello/Jordan HTTP/1.1" 200 OK
INFO:     63.88.73.10:49616 - "GET /hello/Jordan HTTP/1.1" 200 OK
```

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Service Running