

Assignment 2

Unit test that connects to atg.world website.

```
import unittest
import requests

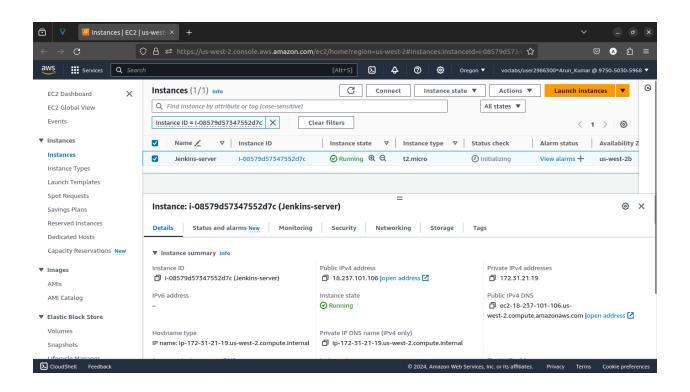
class TestWebsiteLoading(unittest.TestCase):

    def test_atg_world_website_loading(self):
        url = "https://atg.world"
        print("Connecting to", url)

        try:
            response = requests.get(url)
            response.raise_for_status() # Raise an error for no print("Status code:", response.status_code)
```

```
self.assertEqual(response.status_code, 200, "atg.wor
            print("atg.world website loaded successfully!")
        except requests. Request Exception as e:
            print("Error connecting to the atg.world website:",
            self.fail("Failed to load the atg.world website")
    def test www domain hello world(self):
        url = "http://www.example.com" # Replace with the actual
        print("Connecting to", url)
        try:
            response = requests.get(url)
            response.raise_for_status() # Raise an error for no
            print("Status code:", response.status_code)
            self.assertEqual(response.status_code, 200, "Hello \
            print("Hello world on www domain loaded successfully
        except requests.RequestException as e:
            print("Error connecting to the www domain:", e)
            self.fail("Failed to load hello world on www domain'
if name == ' main ':
    unittest.main()
```

Jenkins Setup on AWS Server



```
sudo wget -0 /usr/share/keyrings/jenkins-keyring.asc \
  https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key

echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
  https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
  /etc/apt/sources.list.d/jenkins.list > /dev/null

sudo apt-get update

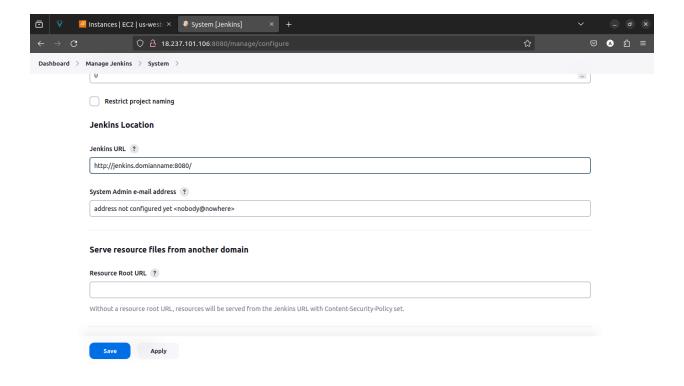
sudo apt-get install jenkins

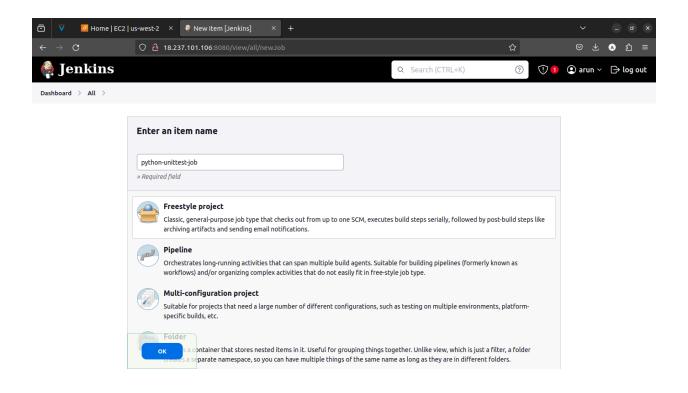
sudo systemctl start jenkins
sudo systemctl enable jenkins

// For Admin Passowrd

sudo cat /var/lib/jenkins/secrets/initialAdminPassword
```

Setup the pipline





Execute File test.py

