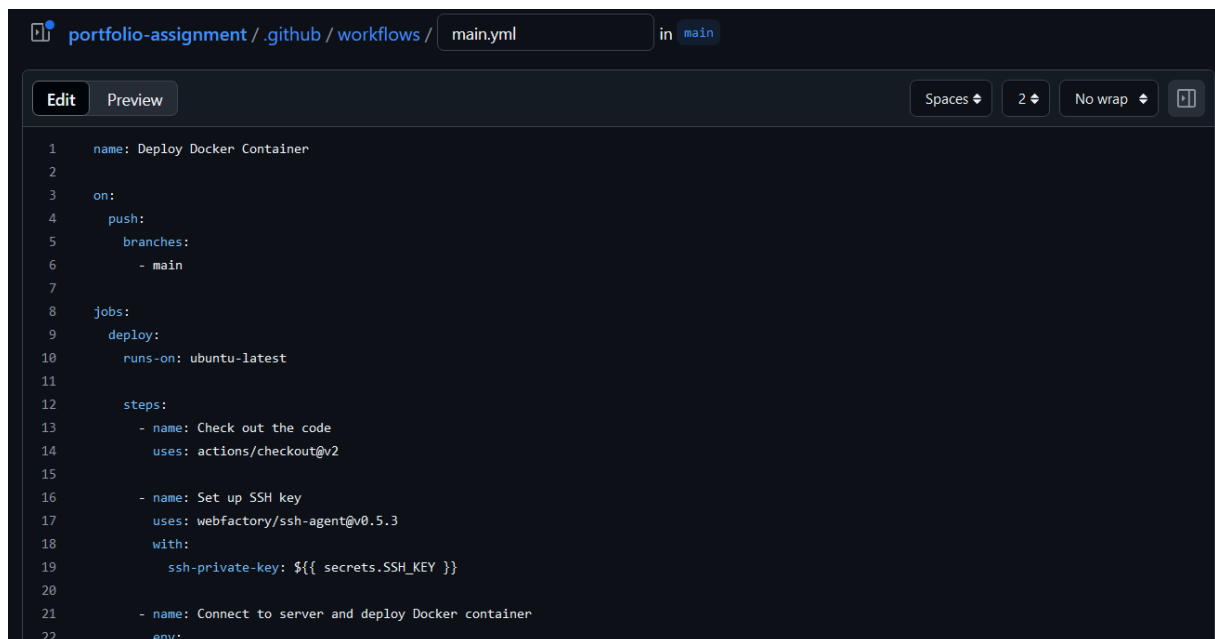


Portfolio assignment

Infrastructure as code: I will be repurposing the code from previous assignments, specifically the sample docker project so that I have something to deploy.

Testing: I have not decided how I am going to do the testing yet.

CI/CD: I want to try and use GitHub Actions for my CI/CD pipeline as I have tried it before in a project in a previous course. I have already set up a repository to host the code and will be able to create a yaml file to describe the GitHub actions, so that whenever I push to the main branch of the repository, the actions will be performed. The actions that I am planning on making it do, is connect to a Google Cloud server, pull the latest code from the repo and build and run a new docker container.



```
1  name: Deploy Docker Container
2
3  on:
4    push:
5      branches:
6        - main
7
8  jobs:
9    deploy:
10     runs-on: ubuntu-latest
11
12     steps:
13       - name: Check out the code
14         uses: actions/checkout@v2
15
16       - name: Set up SSH key
17         uses: webfactory/ssh-agent@v0.5.3
18         with:
19           ssh-private-key: ${ secrets.SSH_KEY }
20
21       - name: Connect to server and deploy Docker container
22         env:
```

The GitHub actions workflow.