2/24/2023

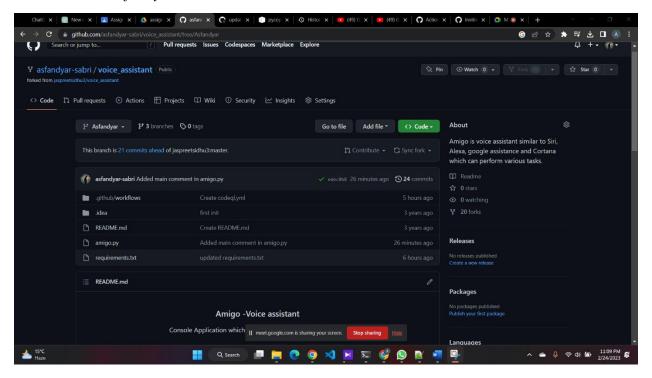
MLops

Assignment# 1

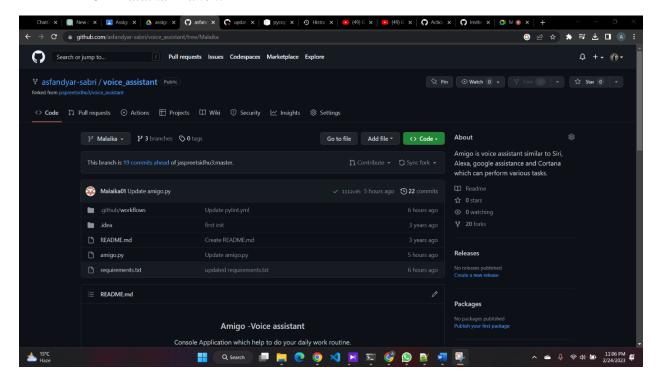


Repository Used: https://github.com/jaspreetsidhu3/voice_assistant

- Create two branches, one for each member of the group. For each branch you have to do the following:
 - o Asfandyar Branch:

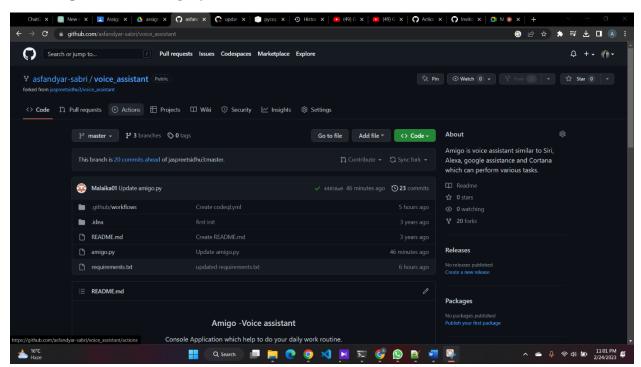


o Malaika Branch:



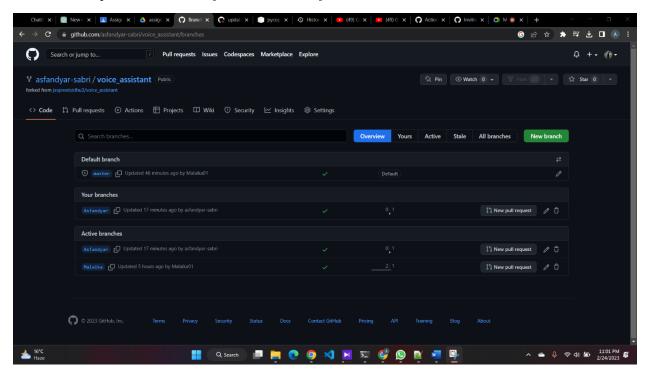
Create a scaffolding for each branch. Note that the scaffolding of each branch can
be different. It depends on the features you are planning to implement and the
individual inspection of the source code of the repository.

Added requirements.txt in project



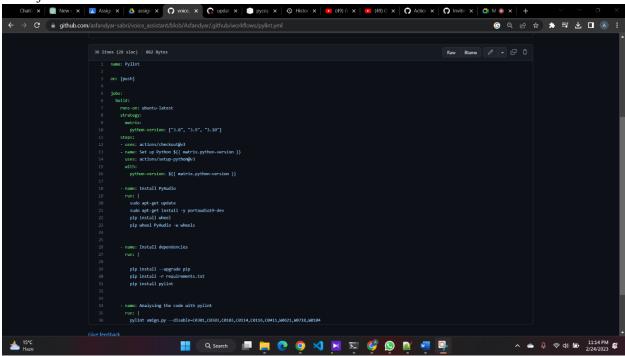
• Create a CI pipeline/workflow for the project you forked using GitHub Actions and Jenkins.

Created multiple branches and followed CI/CD flow

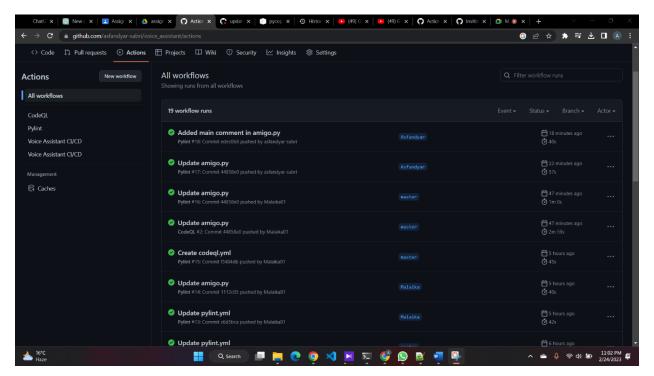


- The CI pipeline/workflow will include anything that is relevant to the project you forked. For example:
 - o If it's a Python project, you will run pylint, black and so on

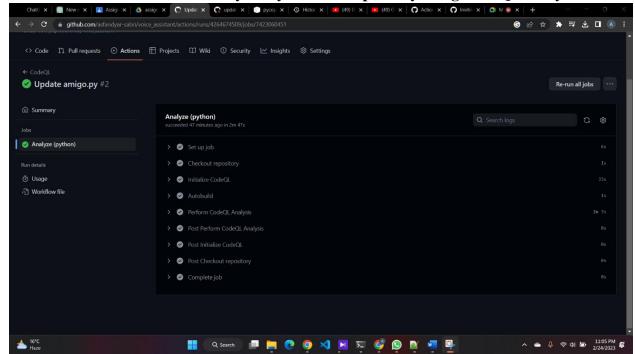
Yaml file



Build/run/test results:



• Create a workflow for the security analysis of the repository using CodeQL analysis



• Publish your findings of the code scan in one paragraph

```
663
<u>664</u>Analysis produced the following metric data:
665
666 | Metric | Value |
----+
668 | Total lines of Python code in the database | 115657 |
669 | Total lines of user written Python code in the database | 76
670
671
672/opt/hostedtoolcache/CodeQL/2.12.2-20230207/x64/codeql/codeql
database print-baseline
/home/runner/work/ temp/codeql databases/python
673Counted a baseline of 76 lines of code for python.
674Counted a baseline of 76 lines of code for python.
675
<u>676</u>Cleaning up databases
682Uploading results
686/opt/hostedtoolcache/CodeQL/2.12.2-20230207/x64/codeqL/codeqL
database bundle /home/runner/work/ temp/codeql databases/python -
-output=/home/runner/work/_temp/codeql_databases/python.zip --
name=python
<u>687</u>Creating bundle metadata for
/home/runner/work/ temp/codeql databases/python...
688Creating zip file at
/home/runner/work/_temp/codeql_databases/python.zip.
689Waiting for processing to finish
Post Perform CodeQL Analysis
0s
Post Initialize CodeQL
```

0sPost Checkout repository0sComplete job0s

For Jenkins:

We tried attempting Jenkins too. There were a lot of installation issues. We also had plugin installation problems and then GitHub configuration issues. Lastly, we managed to do something and were not successful. Below, I'm attaching screenshot for your reference. Kindly have a look at it.

