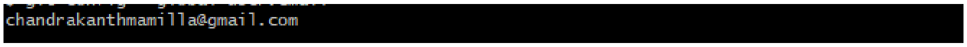
Task 1

- Demonstrate minimum 15 basic Git command with explanation and screenshot.

1. git config

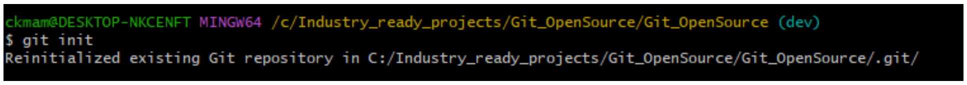
This command is used to configure an author name and email associated with your git activities.



```
chandrakanthmamilla@gmail.com
```

2. git init

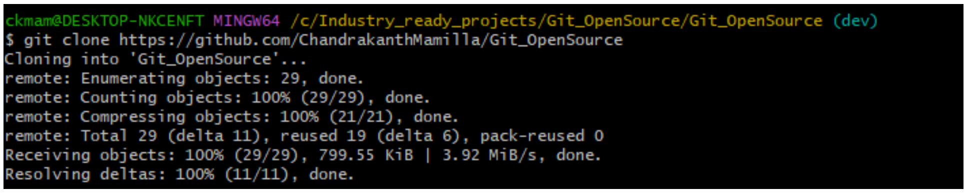
This command is used to initialize a new git repository.



```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (dev)
$ git init
Reinitialized existing Git repository in C:/Industry_ready_projects/Git_OpenSource/Git_OpenSource/.git/
```

3. git clone

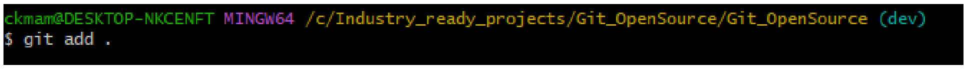
This command is used to clone a remote git repository.



```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (dev)
$ git clone https://github.com/ChandrakanthMamilla/Git_OpenSource
Cloning into 'Git_OpenSource'...
remote: Enumerating objects: 29, done.
remote: Counting objects: 100% (29/29), done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 29 (delta 11), reused 19 (delta 6), pack-reused 0
Receiving objects: 100% (29/29), 799.55 KiB | 3.92 MiB/s, done.
Resolving deltas: 100% (11/11), done.
```

4. git add

This command is used to add files to the staging.

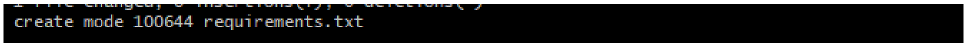


```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (dev)
$ git add .
```

5. git commit

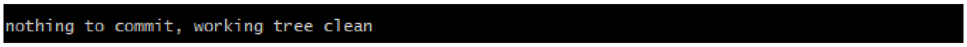
This command is used to record a file permanently in the project version history. It is a standard to add a message associated with the commit.

For committing your staged changes.



```
 create mode 100644 requirements.txt
```

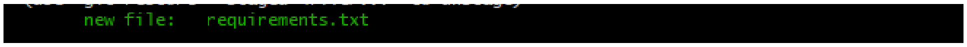
For committing both staged and unstaged files.



```
nothing to commit, working tree clean
```

6. git status

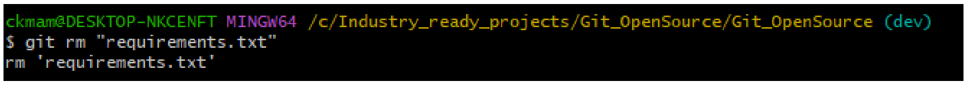
This command is used to lists all the committed files.



```
        new file:   requirements.txt
```

7. git rm

This command is used to delete a specific file from the current working directory and stages the deletion.



```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (dev)
$ git rm "requirements.txt"
rm 'requirements.txt'
```

8. git log

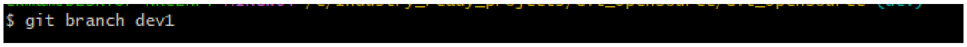
This command is used for listing the version history of the current git branch.

```
    Initial commit
```

9. git branch

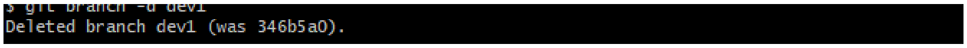
This command is used to create a branch from the current working directory.

Creating a new branch:



```
$ git branch dev1
```

Deleting the feature branch:

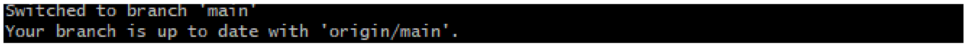


```
$ git branch -d dev1
Deleted branch dev1 (was 346b5a0).
```

10. git checkout

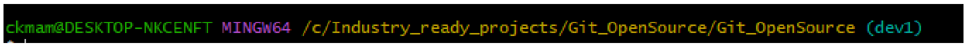
This command is used for switching among different git branches.

Checkout a git branch:



```
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

Create a new branch and switch into it:



```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (dev1)
```

11. git merge

This command is used to merges the specified branch with the current branch.

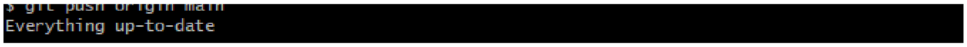
Merging two branches:

```
 create mode 100644 requirements.txt
```

12. git push

This command is used to send your staged changes to the remote repository.

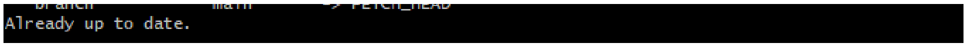
Commit the staged changes to the remote repository.



```
$ git push origin main
Everything up-to-date
```

13. git pull

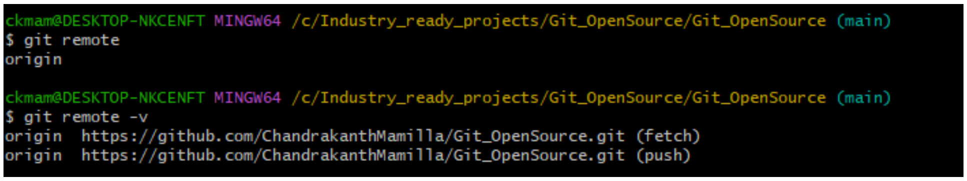
This command is used to get the changes in the remote repository and merge them to the current working directory.



```
 * branch            main       -> FETCH_HEAD
Already up to date.
```

14. git remote

Lists the remote connections you have to other repositories. In other words, the git remote command lets you create, view, and delete connection to other repositories.

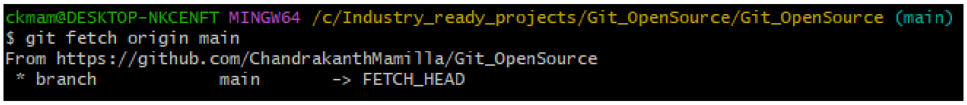


```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (main)
$ git remote
origin

ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (main)
$ git remote -v
origin  https://github.com/ChandrakanthMamilla/Git_OpenSource.git (fetch)
origin  https://github.com/ChandrakanthMamilla/Git_OpenSource.git (push)
```

15. git fetch

When we use the command git fetch, git gathers any commits information from the target branch that does not exists in our current branch, and stores it in our local repository. However, it doesn’t merge it with our current branch.



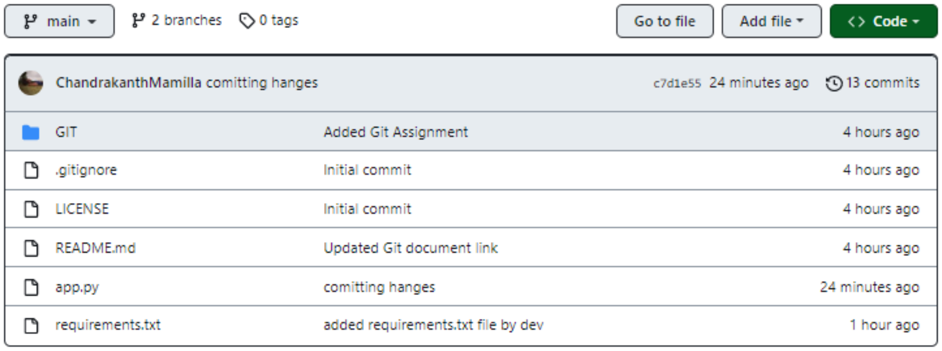
```
ckmam@DESKTOP-NKCENFT MINGW64 /c/Industry_ready_projects/Git_OpenSource/Git_OpenSource (main)
$ git fetch origin main
From https://github.com/ChandrakanthMamilla/Git_OpenSource
 * branch            main       -> FETCH_HEAD
```

==

Task 2

- Consider that you want to start an open-source project in your organization. Perform all the standard operation to create a repository with minimal permission for all the users. It should contain.

1. Proper open-source structure

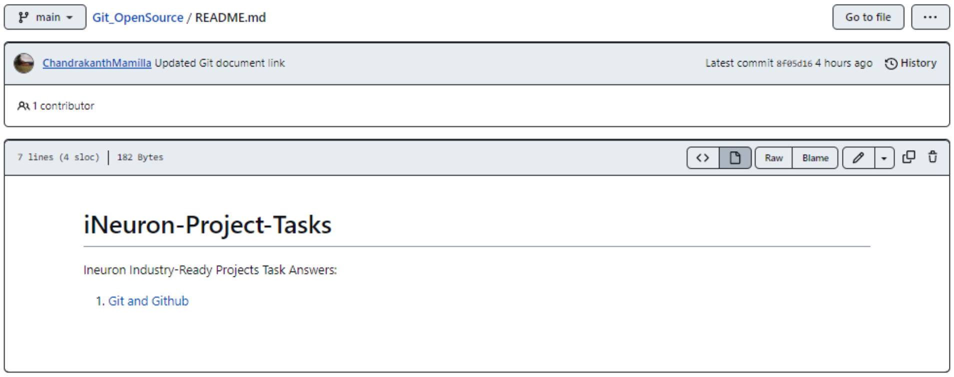


main · 2 branches · 0 tags · Go to file · Add file · Code

ChandrakanthMamilla comitting hanges c7d1e55 24 minutes ago 13 commits

GIT	Added Git Assignment	4 hours ago
.gitignore	Initial commit	4 hours ago
LICENSE	Initial commit	4 hours ago
README.md	Updated Git document link	4 hours ago
app.py	comitting hanges	24 minutes ago
requirements.txt	added requirements.txt file by dev	1 hour ago

2. Proper Readme



main · Git_OpenSource / README.md · Go to file

ChandrakanthMamilla Updated Git document link Latest commit 8f05d16 4 hours ago History

1 contributor

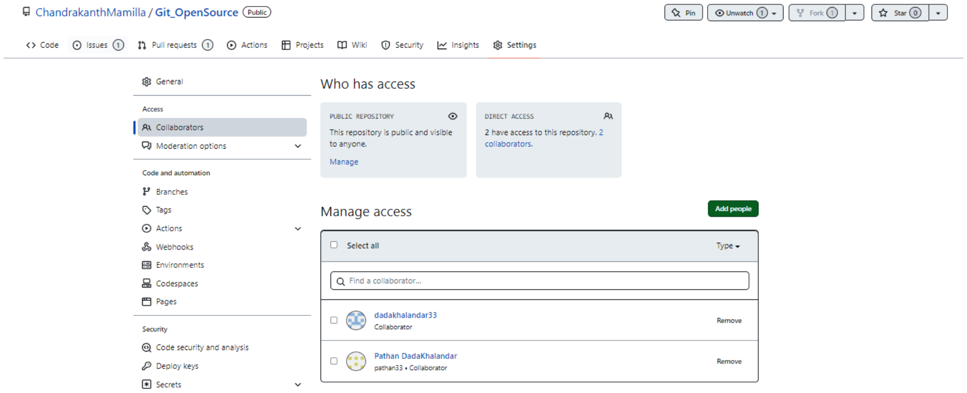
7 lines (4 sloc) | 182 Bytes · Raw · Blame

iNeuron-Project-Tasks

Ineuron Industry-Ready Projects Task Answers:

1. Git and Github

3. Add 2 collaborator



ChandrakanthMamilla / Git_OpenSource Public · Pin · Unwatch 1 · Fork 1 · Star 0

Code · Issues 1 · Pull requests 1 · Actions · Projects · Wiki · Security · Insights · Settings

General
Access
Collaborators
Moderation options
Code and automation
Branches
Tags
Actions
Webhooks
Environments
Codespaces
Pages
Security
Code security and analysis
Deploy keys
Secrets

Who has access

PUBLIC REPOSITORY
This repository is public and visible to anyone.
Manage

DIRECT ACCESS
2 have access to this repository. 2 collaborators.

Manage access · Add people

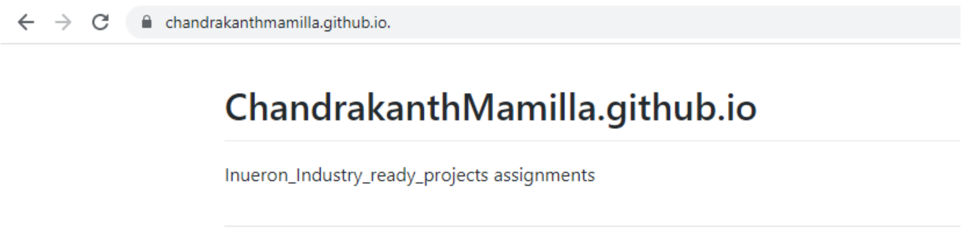
□ Select all · Type

Find a collaborator...

□ dadakhalandar33 Collaborator · Remove

□ Pathan DadaKhalandar pathan33 • Collaborator · Remove

4. Host GitHub Pages using settings (Designed to host your personal, organization, or project pages from a GitHub repository)



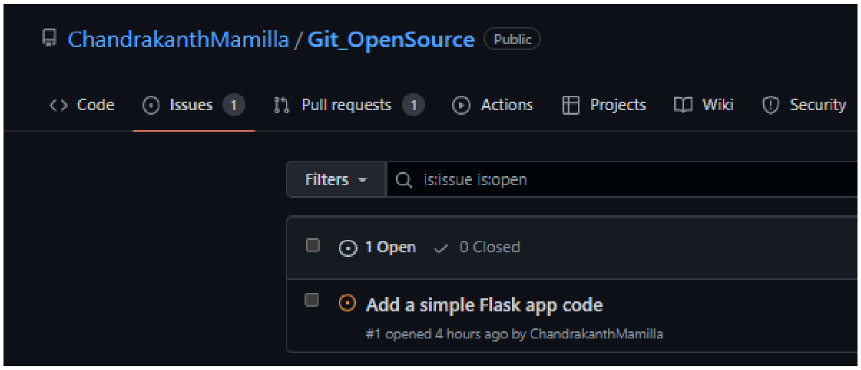
chandrakanthmamilla.github.io.

ChandrakanthMamilla.github.io

Inueron_Industry_ready_projects assignments

Task 3

1. Create a Issue in your github repository.



ChandrakanthMamilla / Git_OpenSource Public

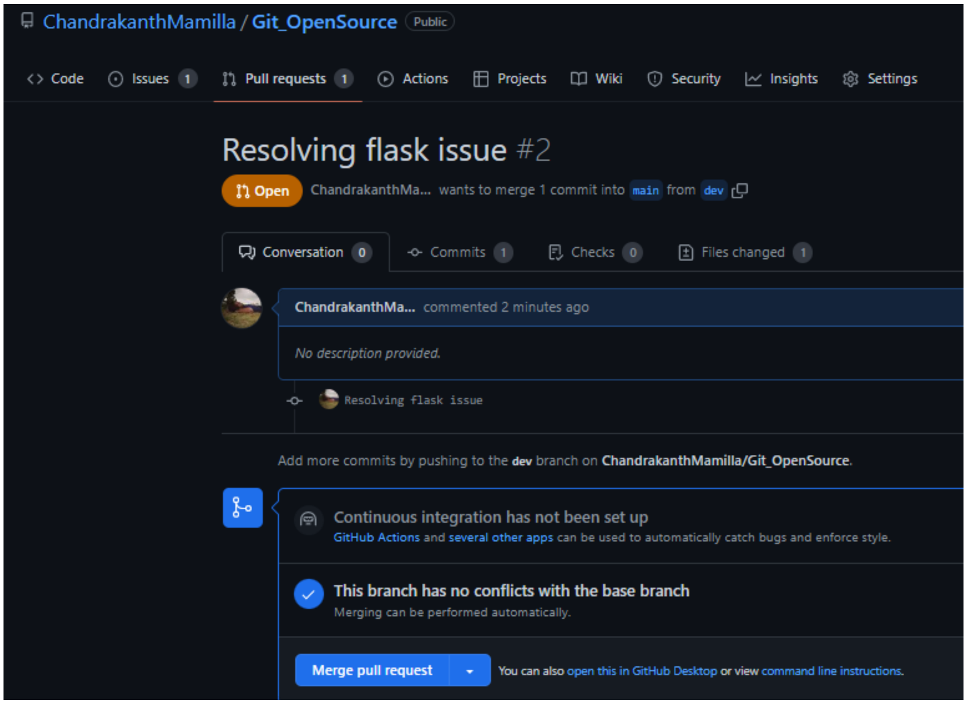
is:issue is:open

1 Open ✓ 0 Closed

Add a simple Flask app code

#1 opened 4 hours ago by ChandrakanthMamilla

2. Raise a pull request.



ChandrakanthMamilla / Git_OpenSource Public

Resolving flask issue #2

ChandrakanthMa... wants to merge 1 commit into main from dev

ChandrakanthMa... commented 2 minutes ago

No description provided.

Resolving flask issue

Add more commits by pushing to the **dev** branch on **ChandrakanthMamilla/Git_OpenSource**.

Continuous integration has not been set up

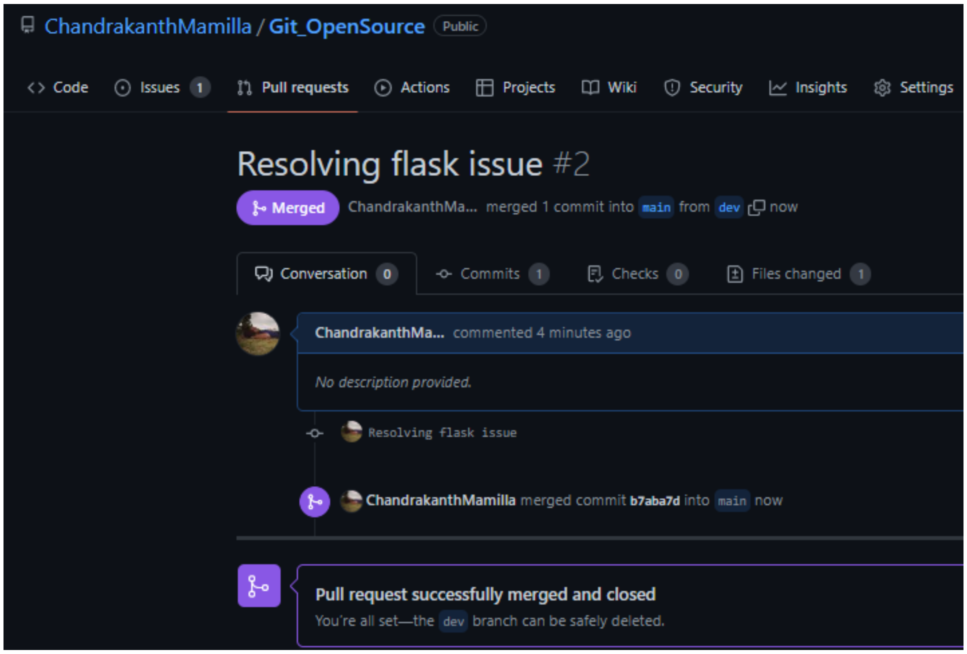
GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch

Merging can be performed automatically.

You can also open this in GitHub Desktop or view command line instructions.

3. Merge A pull request.



Resolving flask issue #2

ChandrakanthMa... merged 1 commit into main from dev now

ChandrakanthMa... commented 4 minutes ago

No description provided.

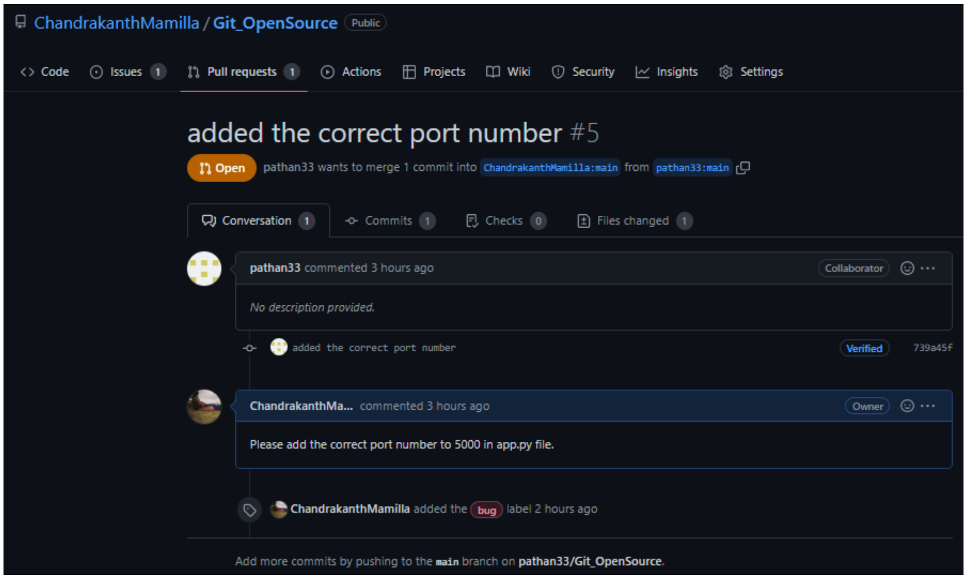
Resolving flask issue

ChandrakanthMamilla merged commit b7aba7d into main now

Pull request successfully merged and closed

You're all set—the dev branch can be safely deleted.

4. Reject a pull request with proper comments.



added the correct port number #5

pathan33 wants to merge 1 commit into ChandrakanthMamilla:main from pathan33:main

pathan33 commented 3 hours ago

No description provided.

added the correct port number 739a45f

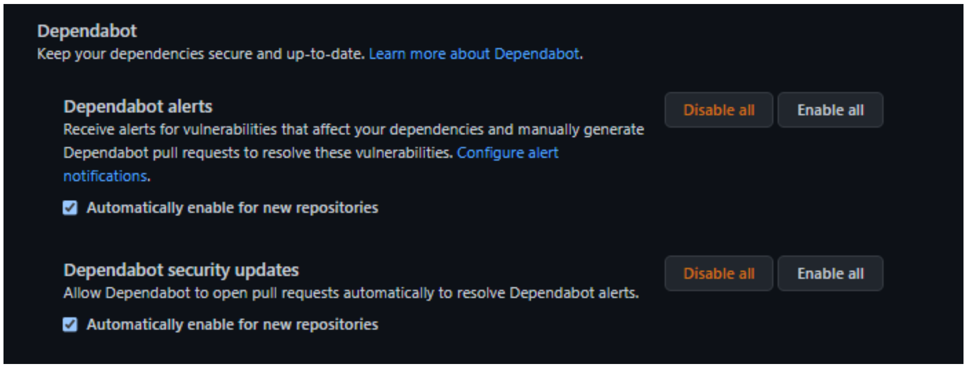
ChandrakanthMa... commented 3 hours ago

Please add the correct port number to 5000 in app.py file.

ChandrakanthMamilla added the bug label 2 hours ago

Add more commits by pushing to the main branch on pathan33/Git_OpenSource.

5. Add a Dependabot alerts in your github.(for above cases)



Dependabot

Keep your dependencies secure and up-to-date. Learn more about Dependabot.

Dependabot alerts

Receive alerts for vulnerabilities that affect your dependencies and manually generate Dependabot pull requests to resolve these vulnerabilities. Configure alert notifications.

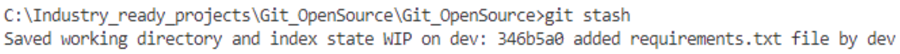
☑ Automatically enable for new repositories

Dependabot security updates

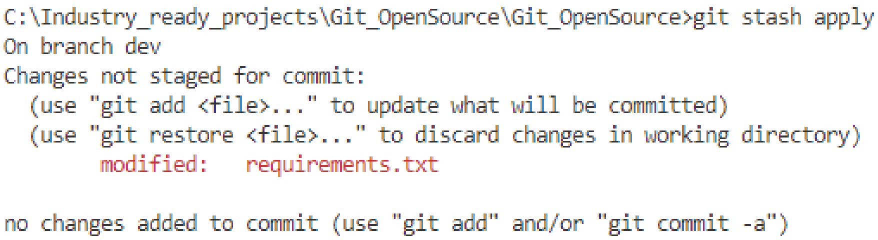
Allow Dependabot to open pull requests automatically to resolve Dependabot alerts.

☑ Automatically enable for new repositories

6. Stash changes



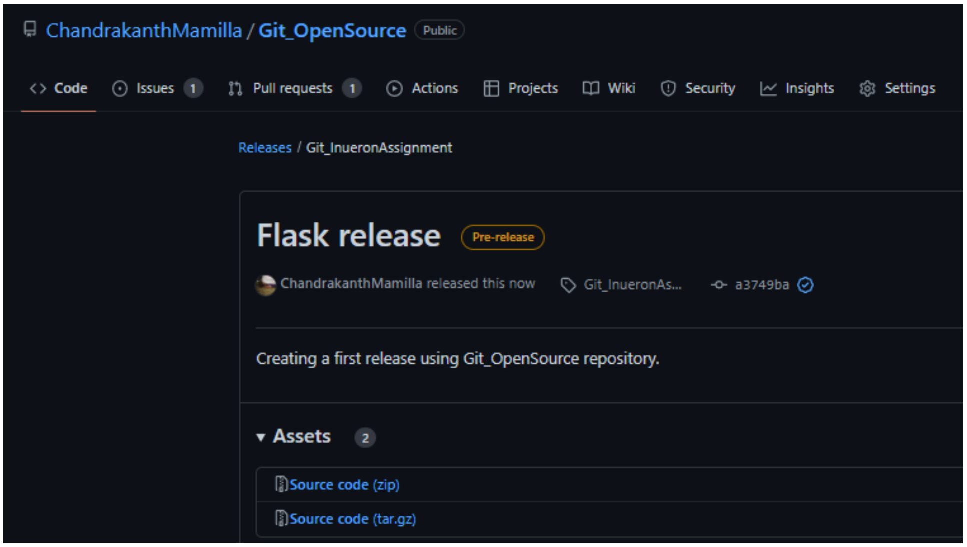
```
C:\Industry_ready_projects\Git_OpenSource\Git_OpenSource>git stash
Saved working directory and index state WIP on dev: 346b5a0 added requirements.txt file by dev
```



```
C:\Industry_ready_projects\Git_OpenSource\Git_OpenSource>git stash apply
On branch dev
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   requirements.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

7. Create a release your package



Flask release Pre-release

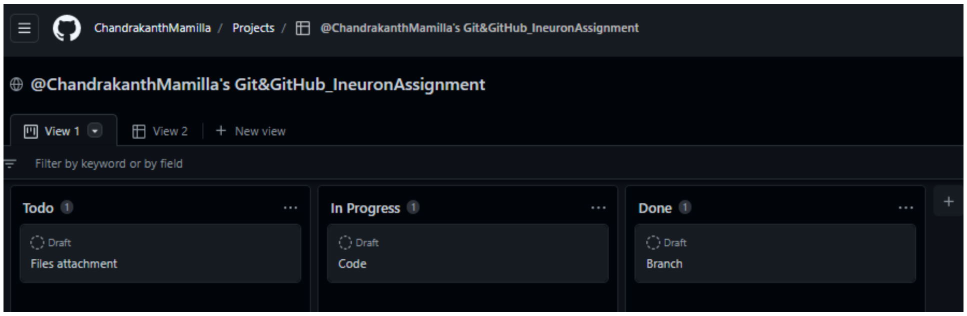
ChandrakanthMamilla released this now · Git_InueronAs... · a3749ba

Creating a first release using Git_OpenSource repository.

▾ **Assets** 2

- Source code (zip)
- Source code (tar.gz)

8. Setup a Projects Board for your project.



ChandrakanthMamilla / Projects / @ChandrakanthMamilla's Git&GitHub_IneuronAssignment
View 1
View 2
+ New view
Filter by keyword or by field
+

@ChandrakanthMamilla's Git&GitHub_IneuronAssignment

Todo 1

Draft
Files attachment

In Progress 1

Draft
Code

Done 1

Draft
Branch