JOMHACK
INSPIRE INNOVATION

PYTHON
BOOTCAMP

www.jomhack.com

GITHUB

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INSPIRE INNOVATION

Core Functions

- **Version Control:** Tracks changes to code over time.
- **Code Hosting:** Stores code in the cloud.
- **Collaboration:** Enables multiple developers work on same project.

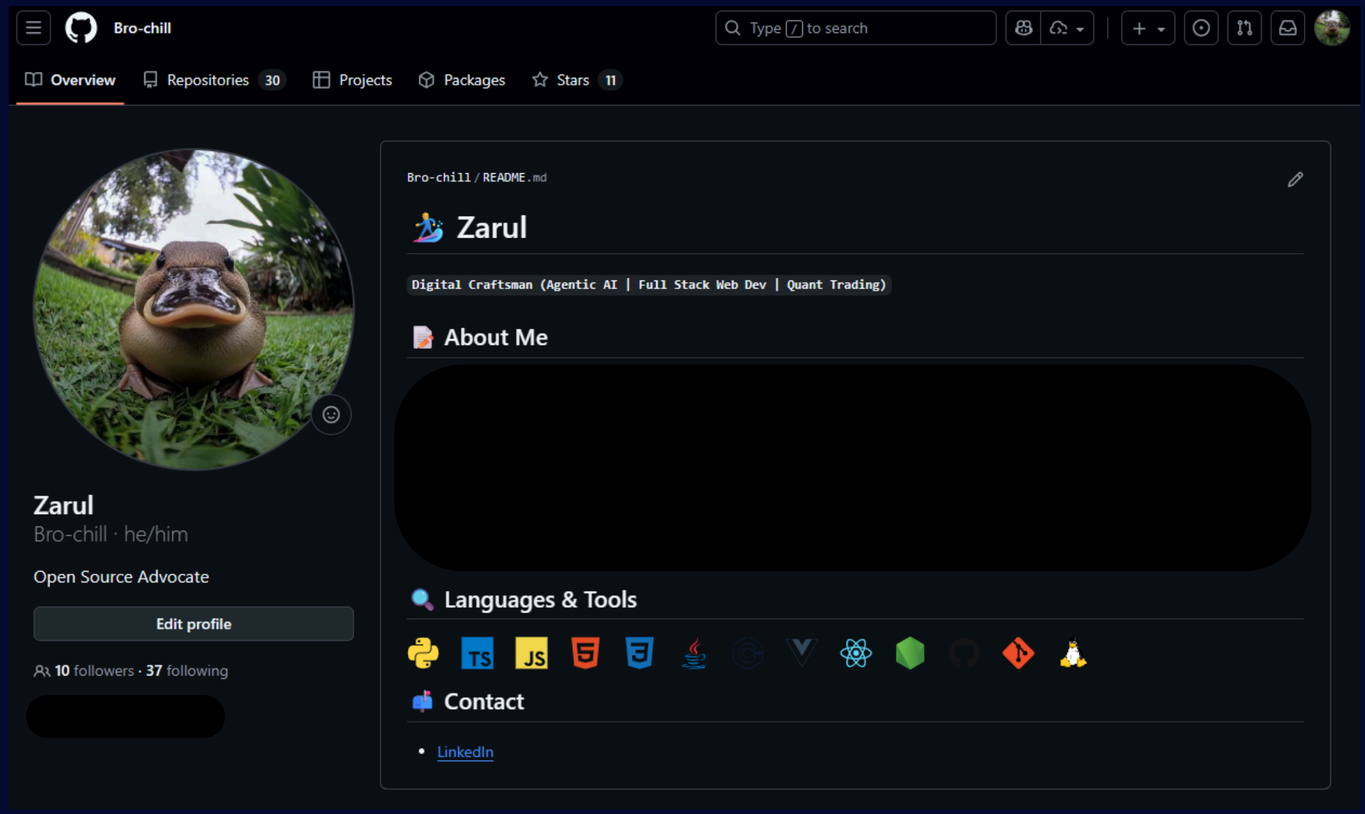
Key Features

- **Repositories:** Container for project files.
- **Actions:** Built-in CI/CD workflows.
- **Discussions:** Community forums for projects.

GITHUB

How to create repo:

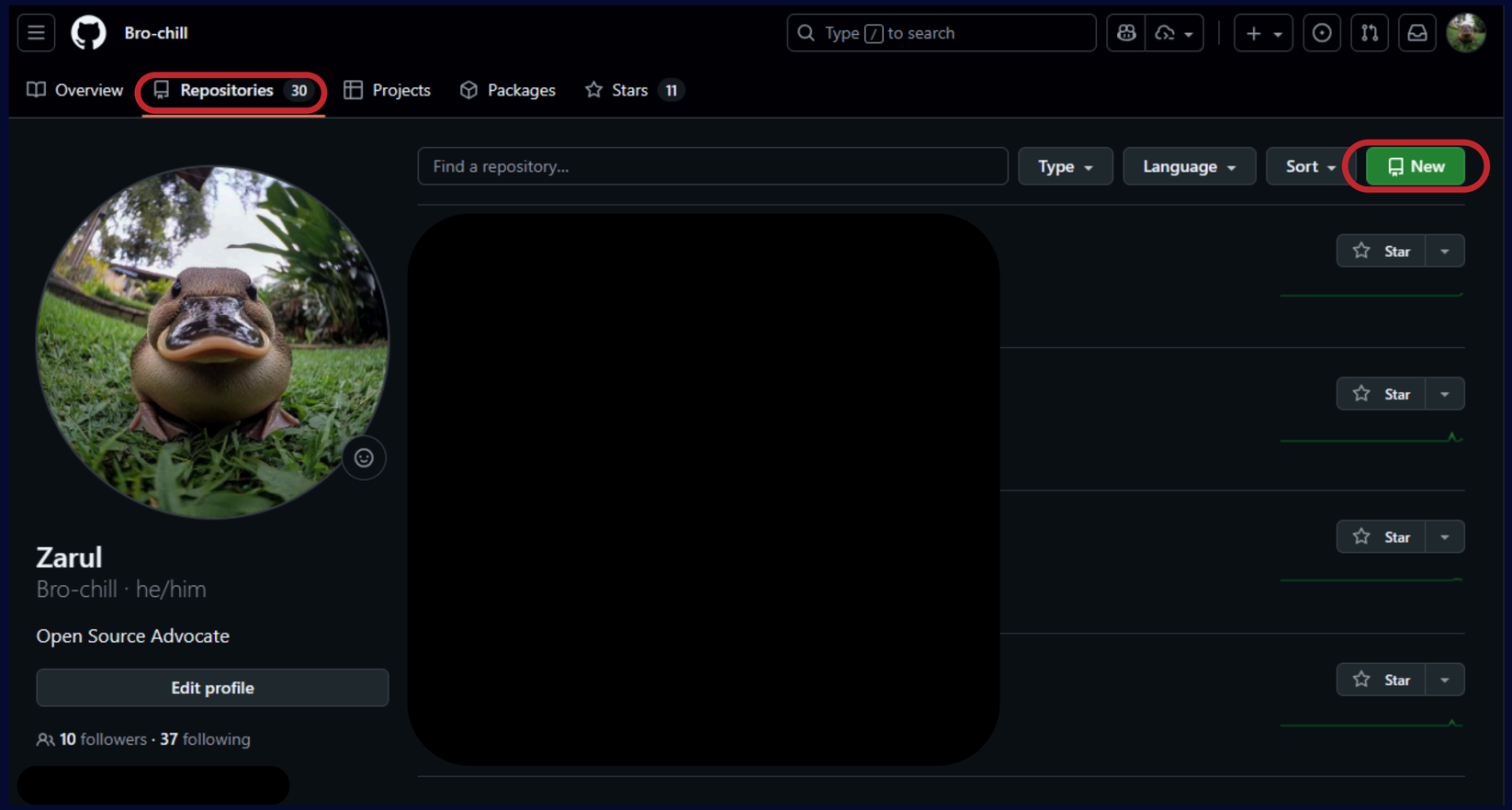
- Create account at: https://github.com
- Login to your account.



GITHUB

How to create repo:

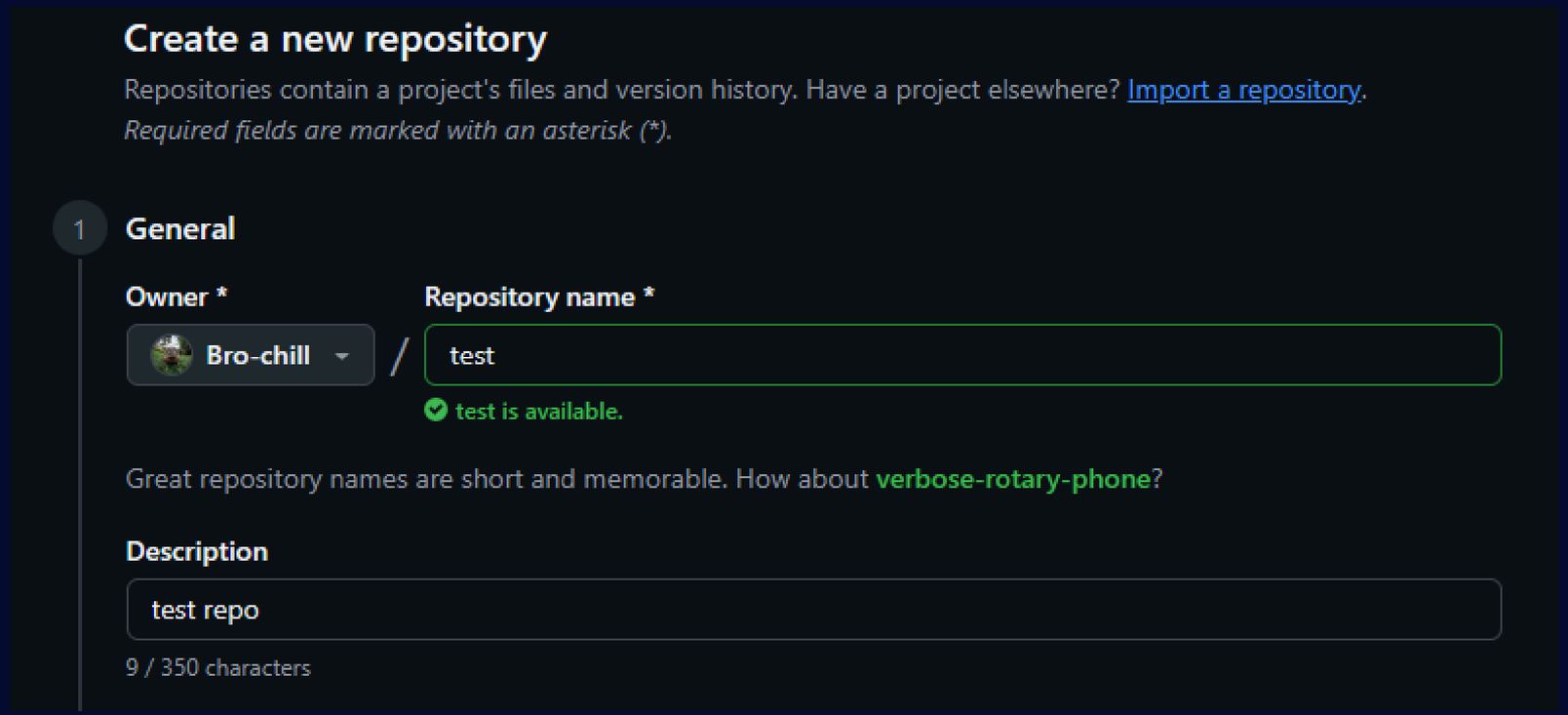
- Click create new repository



GITHUB

How to create repo:

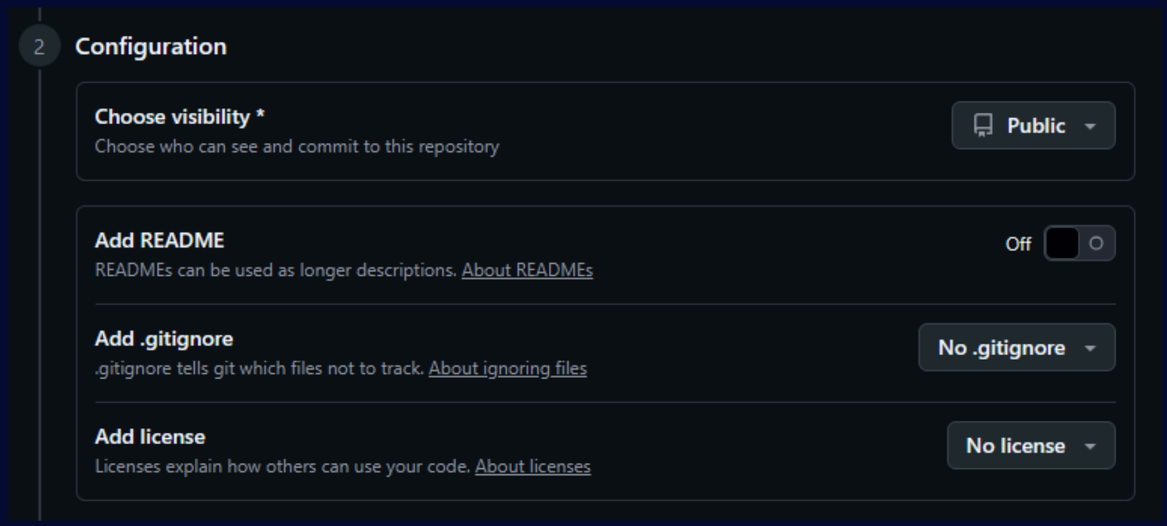
- General information
  - Be explicit when naming and describing your repo



GITHUB

How to create repo:

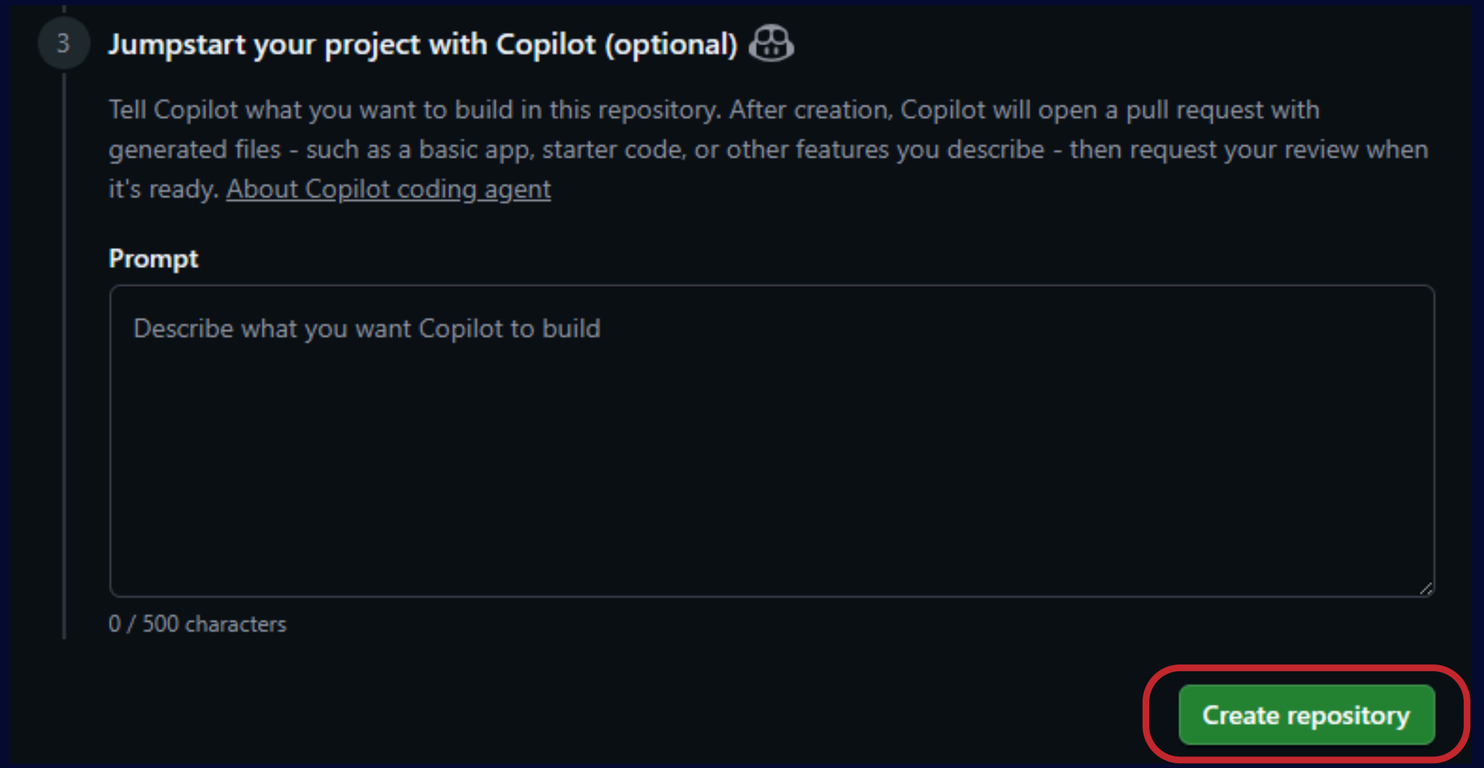
- Configuration
  - Visibility: Public/Private (Depends on you)
  - Add README.md: On/Off (Recommend off, write on IDE)
  - Add .gitignore: No .gitignore (Create on IDE)
  - Add license: No license (For personal project)



GITHUB

How to create repo:

- Jump start with copilot (optional)
- Click “create repository”



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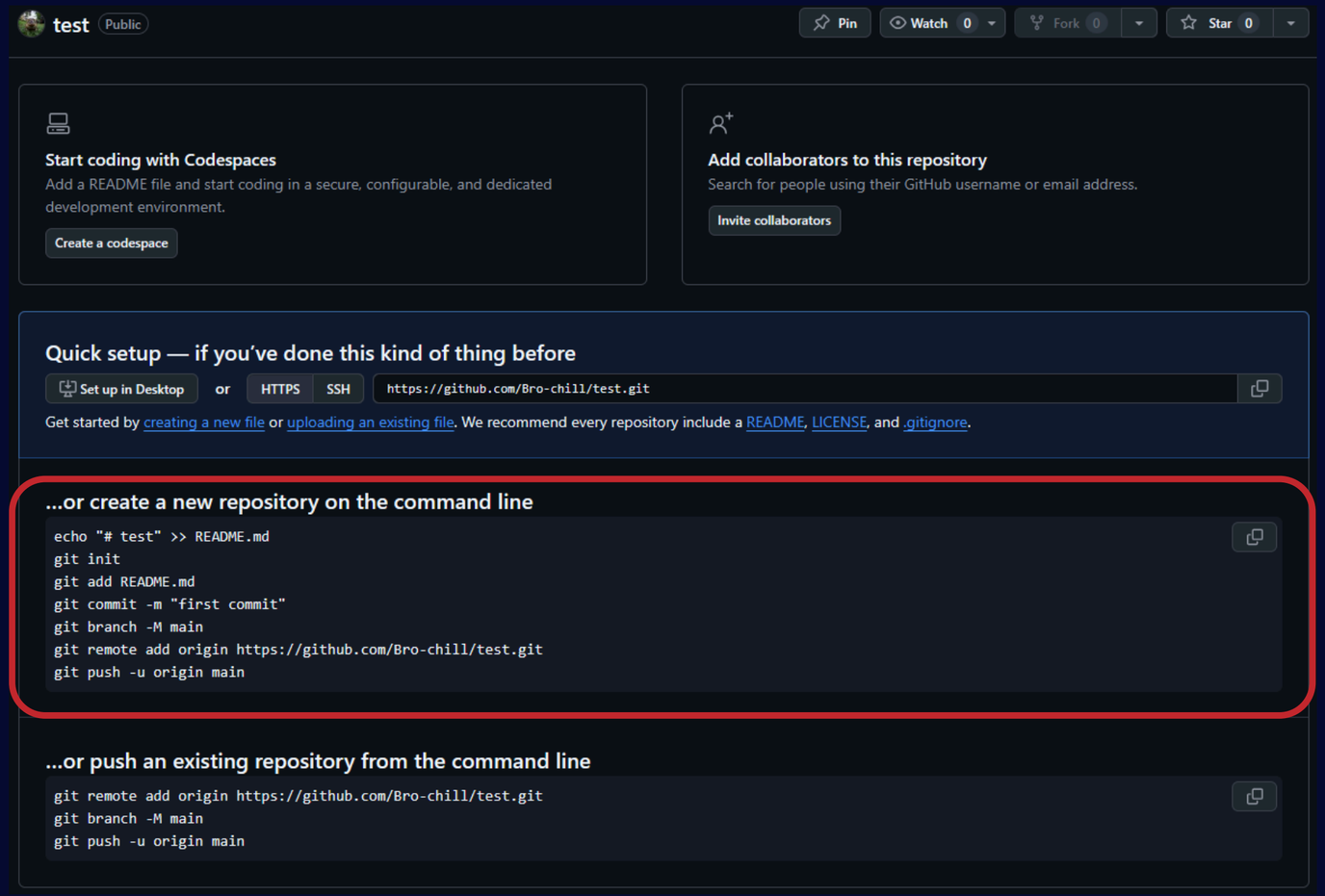
How to create repo:

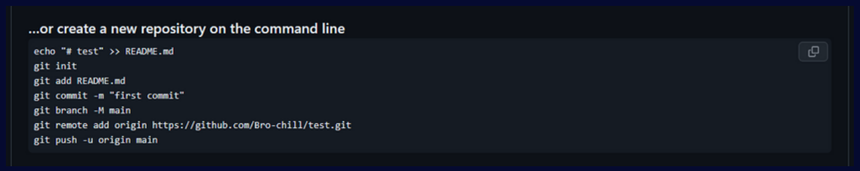
- Follow provided instruction



GITHUB

How to create repo:

- Run instruction on ide terminal
  - replace “git add README.md” with “git add .”

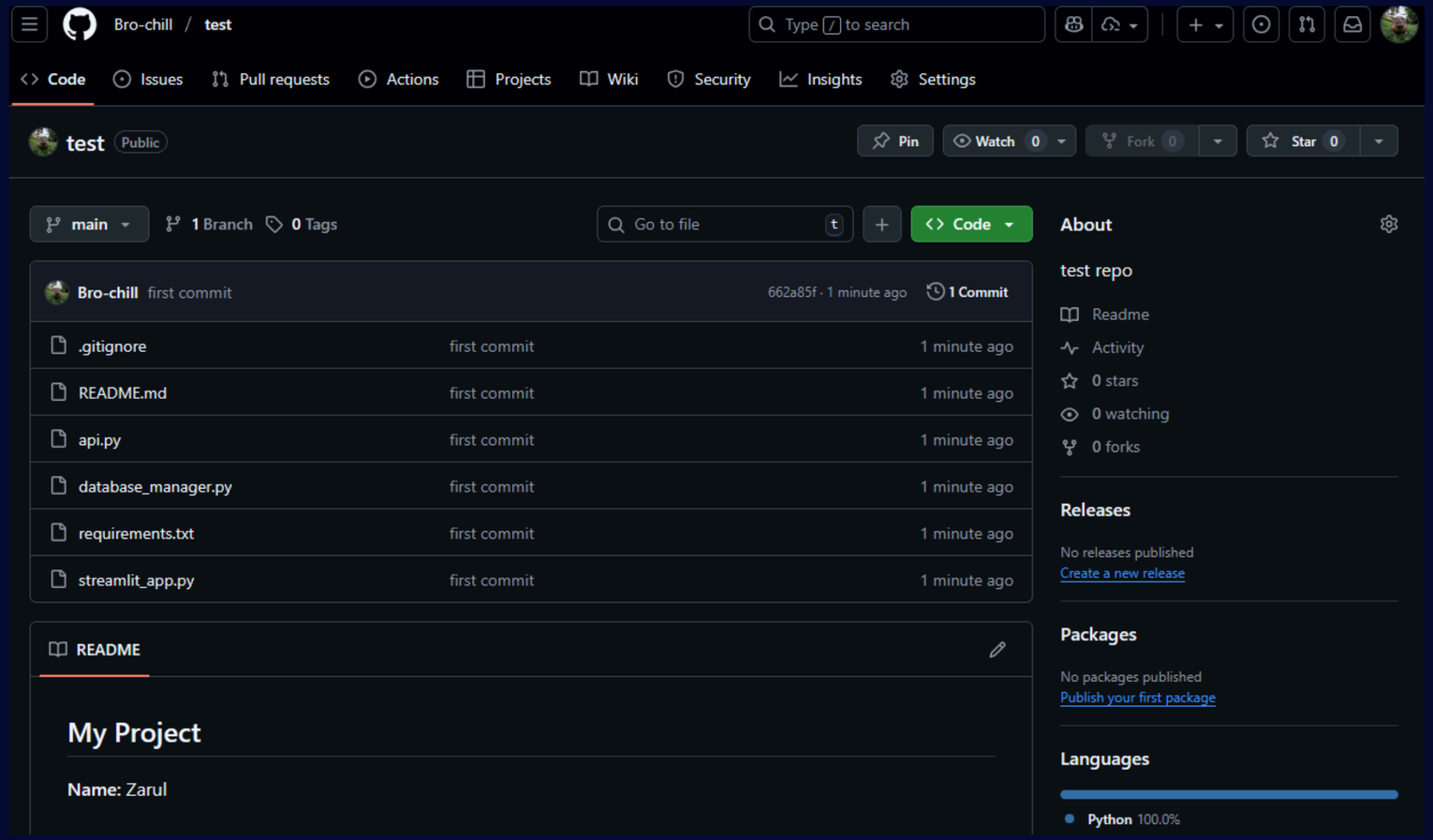



```
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project> git init
Initialized empty Git repository in C:/Users/admin/Desktop/README/jom_hack/github_example/my_project/.git/
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project> git add .
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project> git commit -m "first commit"
[master (root-commit) 662a85f] first commit
 6 files changed, 970 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 README.md
 create mode 100644 api.py
 create mode 100644 database_manager.py
 create mode 100644 requirements.txt
 create mode 100644 streamlit_app.py
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project> git branch -M main
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project> git remote add origin https://github.com/Bro-chill/test.git
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project> git push -u origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 24 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (8/8), 7.87 KiB | 7.87 MiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Bro-chill/test.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\admin\Desktop\README\jom_hack\github_example\my_project>
```

GITHUB

How to create repo:

- Refresh your github web browser



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Friendly Reminder:

- Always add .env in your .gitignore
- Do not push to public:
  - API keys
  - tokens
  - OAuth secrets
  - JWT secrets

GITHUB

Cheet Sheet:

- https://education.github.com/git-cheat-sheet-education.pdf