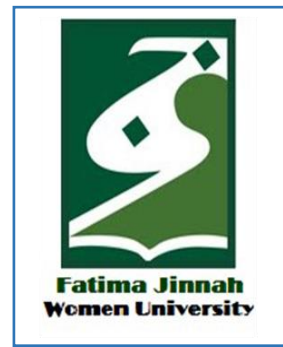


Name: Lujain Zia
Roll no: 2023-BSE-034
Date: October 12, 2025

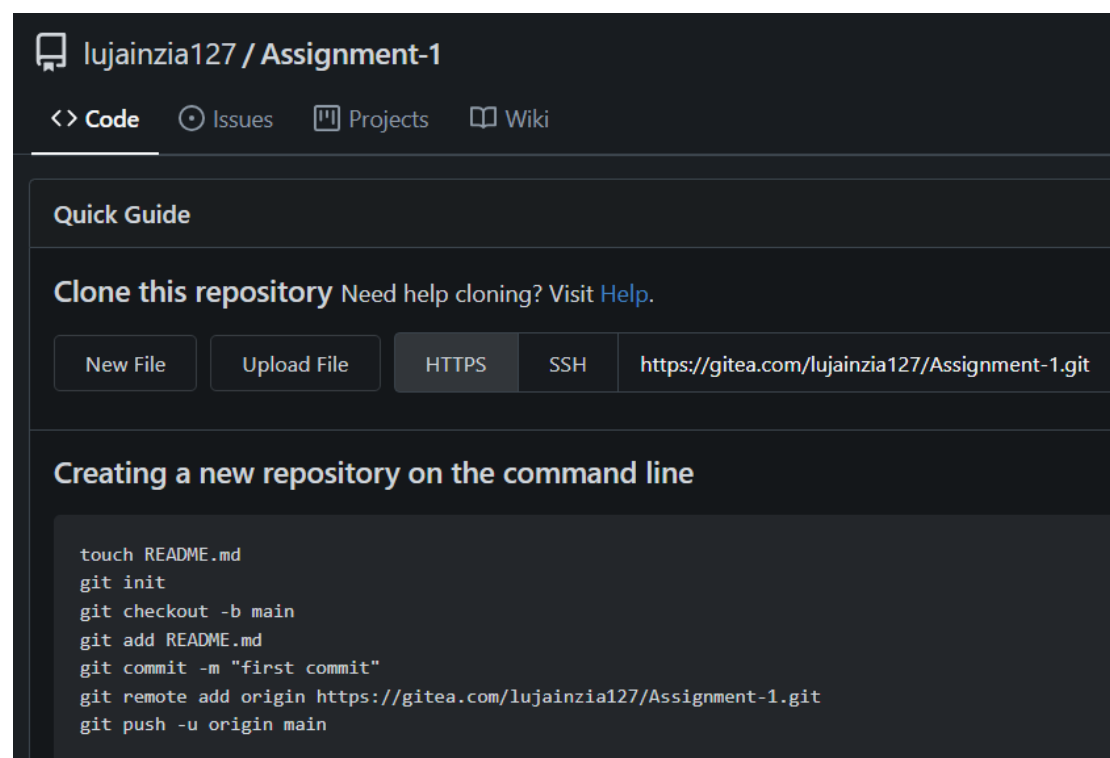


Assignment 1

Task 1: Run Gitea in Codespace and Create an Initial Repo

1. Set up Gitea:

- Run a Gitea server inside your Codespace.
- Use HTTPS for communication (SSH is not supported in Codespace).



2. Create a Repository:

- Create a new repository on your Gitea server.
- Add a README.md file listing each student's name and roll number.

```

● @lujainzia127 →/workspaces/Assignment-1 (main) $ cat README.md
  lujain zia 2023-BSE-034
○ @lujainzia127 →/workspaces/Assignment-1 (main) $

```

3. Add Remote Repo:

- Use the following command to add your Gitea repository as a remote:

git remote add gitea <your_gitea_repo_https_url>

- Push your initial commit containing the README.md to Gitea.

```

● @lujainzia127 →/workspaces/Assignment-1 (main) $ git add README.md
● @lujainzia127 →/workspaces/Assignment-1 (main) $ git commit -m "first commit"
[main 9f5839d] first commit
 1 file changed, 1 insertion(+), 1 deletion(-)
● @lujainzia127 →/workspaces/Assignment-1 (main) $ git remote add gitea https://gitea.com/lujainzia127/Assignment-1.git
● @lujainzia127 →/workspaces/Assignment-1 (main) $ git remote -v
gitea  https://gitea.com/lujainzia127/Assignment-1.git (fetch)
gitea  https://gitea.com/lujainzia127/Assignment-1.git (push)
origin https://github.com/lujainzia127/Assignment-1 (fetch)
origin https://github.com/lujainzia127/Assignment-1 (push)
○ @lujainzia127 →/workspaces/Assignment-1 (main) $

```

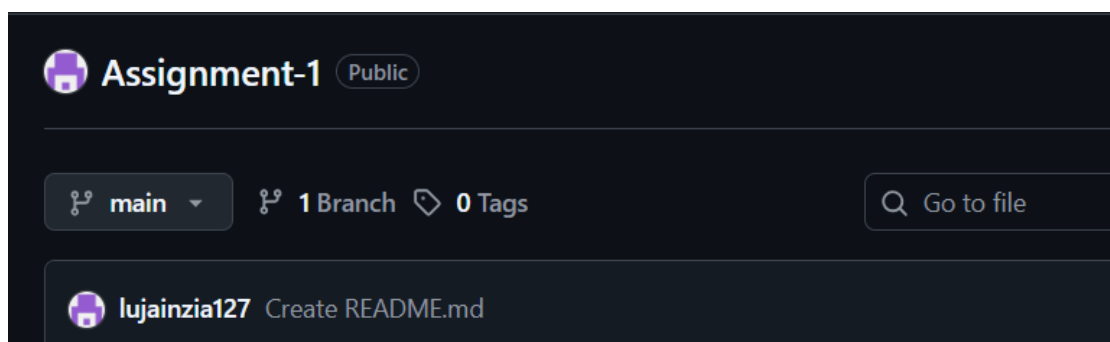
Task 2: Mirror README.md from Gitea to GitHub

1. Continue Working with Your Existing Repository:

- You will use the same repository that you created and pushed to your Gitea server in Task 1.

2. Create GitHub Repository:

- Create a new GitHub repository named assignment 1.



3. Add GitHub as a Second Remote:

- Add your GitHub repository as a remote to your local repository:

git remote add github <your_github_repo_https_url>

4. Push the README.md File to GitHub:

- Push the contents (including the README.md) from your local repository to GitHub.

5. Verify Remotes:

- Run `git remote -v` and ensure both remotes (gitea and github) are listed.

```
@lujainzia127 →/workspaces/Assignment-1 (main) $ git remote -v
gitea https://gitea.com/lujainzia127/Assignment-1.git (fetch)
gitea https://gitea.com/lujainzia127/Assignment-1.git (push)
origin https://github.com/lujainzia127/Assignment-1 (fetch)
origin https://github.com/lujainzia127/Assignment-1 (push)
```

Task 3: Use Git LFS for Large Files

1. Install Git LFS:

- Set up Git LFS in your local repository.

```
@lujainzia127 →/workspaces/Assignment-1 (main) $ sudo apt-get update && sudo apt install git-lfs -y
Get:1 https://dl.yarnpkg.com/debian stable InRelease
Get:2 https://dl.yarnpkg.com/debian stable/main amd64 Packages [11.8 kB]
Get:3 https://dl.yarnpkg.com/debian stable/main all Packages [11.8 kB]
Get:4 https://repo.anaconda.com/pkg/misc/debrepo/conda stable InRelease [3961 B]
Get:5 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease [3600 B]
Get:6 https://repo.anaconda.com/pkg/misc/debrepo/conda stable/main amd64 Packages [4557 B]
Get:7 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble/main amd64 Packages [62.2 kB]
Get:8 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble/main all Packages [643 B]
Get:9 http://archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [1139 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble/universe amd64 Packages [19.3 MB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1527 kB]
```

```
@lujainzia127 →/workspaces/Assignment-1 (main) $ git lfs install
Updated Git hooks.
Git LFS initialized.
@lujainzia127 →/workspaces/Assignment-1 (main) $
```

2. Add Large Files:

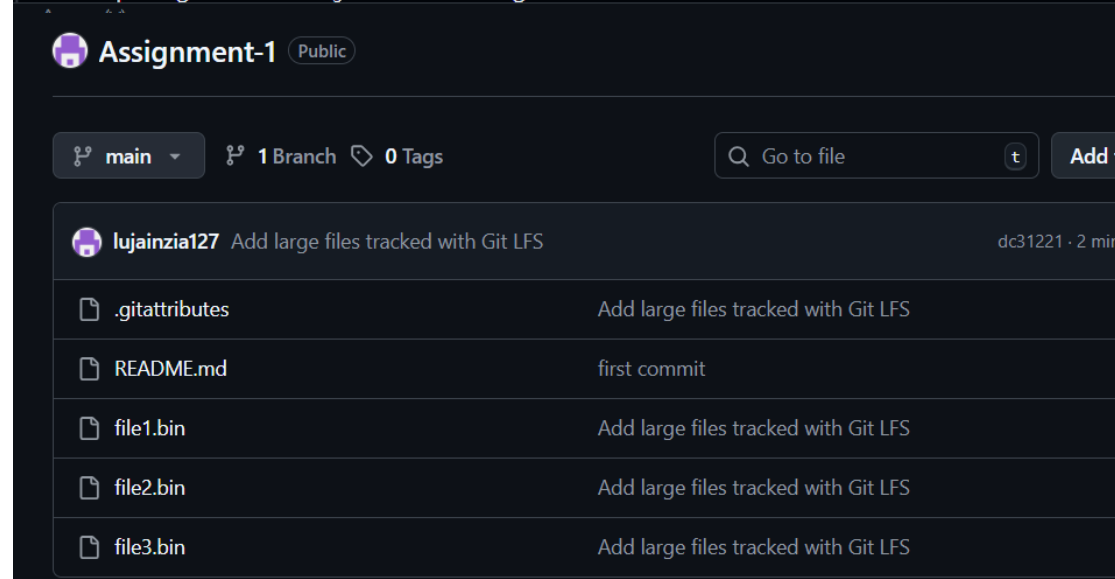
- Add three files larger than 100 MB each to your repository.
- Track them using Git LFS:
`git lfs track "*.ext"`
- Replace `.ext` with the appropriate file extension.

```
@lujainzia127 →/workspaces/Assignment-1 (main) $ git lfs ls-files
5c4fb902a2 * file1.bin
12ba578486 * file2.bin
72abf2ca8f * file3.bin
```

3. Reference in Assignment Repo:

- **Commit and push these large files to your GitHub assignment 1 repo.**
- **Ensure the files are referenced correctly in your repository history**

```
@lujainzia127 →/workspaces/Assignment-1 (main) $ git lfs track "*.bin"
git add .gitattributes file1.bin file2.bin file3.bin
git commit -m "Add large files tracked with Git LFS"
git push origin main
Tracking "*.bin"
[main dc31221] Add large files tracked with Git LFS
4 files changed, 13 insertions(+)
create mode 100644 .gitattributes
create mode 100644 file1.bin
create mode 100644 file2.bin
create mode 100644 file3.bin
Enumerating objects: 11, done./3), 493 MB | 22 MB/s
Counting objects: 100% (11/11), done.
Delta compression using up to 2 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 1.04 KiB | 1.04 MiB/s, done.
Total 9 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/lujainzia127/Assignment-1
```



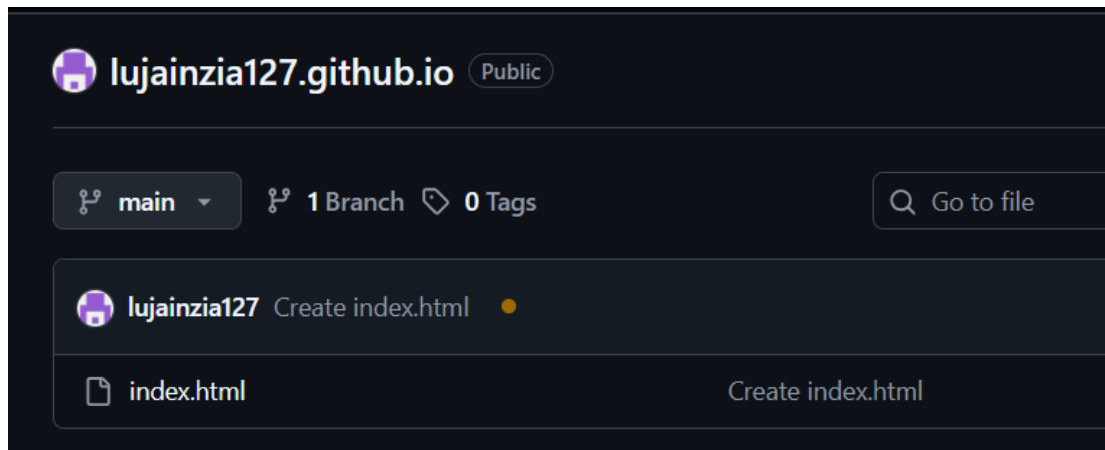
The screenshot shows the GitHub interface for the repository 'Assignment-1' (Public). The commit history table lists the following files and their commit messages:

File	Commit Message
.gitattributes	Add large files tracked with Git LFS
README.md	first commit
file1.bin	Add large files tracked with Git LFS
file2.bin	Add large files tracked with Git LFS
file3.bin	Add large files tracked with Git LFS

Task 4: Create a Portfolio/CV with GitHub Pages

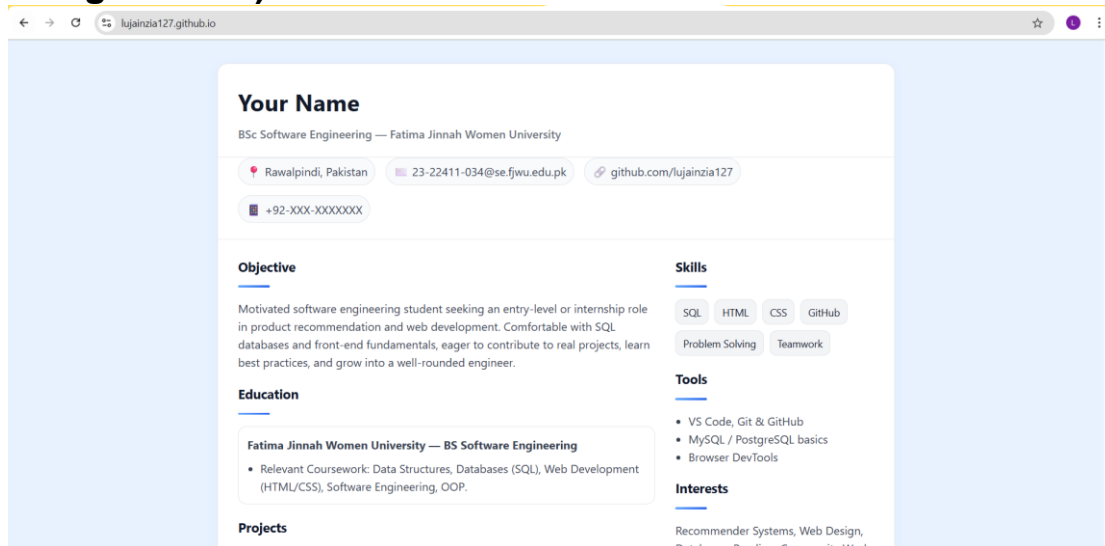
1. Create a new repository for GitHub Pages:

- **Create a new repository named <your-username>.github.io.**
- **Replace <your-username> with your actual GitHub username (e.g., johnsmith.github.io).**



2. Design Your Portfolio/CV:

- Create your portfolio or CV in HTML/CSS (or use a static site generator).



3. Publish with GitHub Pages:

- Push your portfolio/CV files to the <your-username>.github.io repository.
- Enable GitHub Pages in your repository settings if not automatically enabled.
- Publish your site and share the link.

```
@lujainzia127 →/workspaces/lujainzia127.github.io (main) $ git clone https://github.com/lujainzia127/lujainzia127.github.io.git
@lujainzia127 →/workspaces/lujainzia127.github.io (main) $ cd lujainzia127.github.io
@lujainzia127 →/workspaces/lujainzia127.github.io/lujainzia127.github.io (main) $ git add .
@lujainzia127 →/workspaces/lujainzia127.github.io/lujainzia127.github.io (main) $ git commit -m "add CV"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
@lujainzia127 →/workspaces/lujainzia127.github.io/lujainzia127.github.io (main) $ git push origin main
Everything up-to-date
```

Webpage link: <https://lujainzia127.github.io/>

Gitea repo link: <https://gitea.com/lujainzia127/Assignment-1.git>

Github repo link: <https://github.com/lujainzia127/Assignment-1.git>

The screenshot shows the GitHub interface for the repository 'Assignment-1' by user 'lujainzia127'. The repository is public and has 2 commits, 1 branch, and 0 tags. The main branch is 'main'. The repository contains a file named 'README.md'. The commit history shows a commit by 'lujainzia127' with the message 'Update README.md' at commit hash 'd56cdb8cbd'. The repository also contains a file named 'README.md'.

Assignment-1 (Public)

main 1 Branch 0 Tags

Go to file Add file Code

lujainzia127 d56cdb8cbd Update README.md now

README.md Update README.md now

README.md

Lujain Zia 2023-BSE-034

lujainzia127 Add large files tracked with Git LFS dc31221 · 37 minutes ago 3 Commits

.gitattributes	Add large files tracked with Git LFS	37 minutes ago
README.md	first commit	1 hour ago
file1.bin	Add large files tracked with Git LFS	37 minutes ago
file2.bin	Add large files tracked with Git LFS	37 minutes ago
file3.bin	Add large files tracked with Git LFS	37 minutes ago

```
@lujainzia127 →/workspaces/Assignment-1 (main) $ git remote -v
gitea https://gitea.com/lujainzia127/Assignment-1.git (fetch)
gitea https://gitea.com/lujainzia127/Assignment-1.git (push)
origin https://github.com/lujainzia127/Assignment-1 (fetch)
origin https://github.com/lujainzia127/Assignment-1 (push)
```