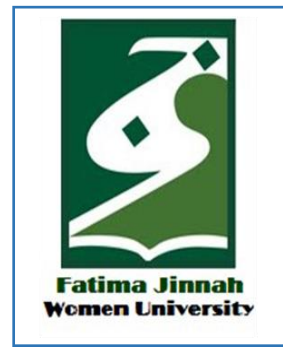


Name: Lujain Zia
Roll no: 2023-BSE-034
Date: October 12, 2025



Assignment 1

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

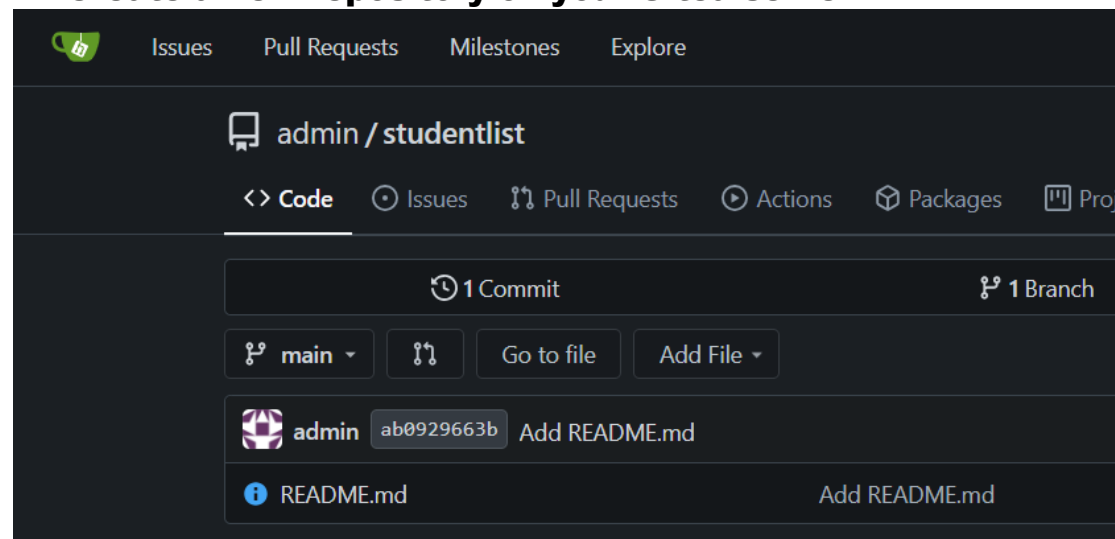
1. Set up Gitea:

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

```
@lujainzia127 → /workspaces/ccassign/gitea/gitea (main) $ docker compose up -d
WARN[0000] /workspaces/ccassign/gitea/gitea/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 8/8
 ✓ server Pulled 10.7s
 ✓ 9824c27679d3 Pull complete 1.2s
 ✓ 307c463a9ebe Pull complete 3.8s
 ✓ 89986d54bad9 Pull complete 3.9s
 ✓ e7ea2b7110b2 Pull complete 3.9s
 ✓ dc71ac9fe925 Pull complete 5.9s
 ✓ a4ebd224fde1 Pull complete 6.2s
 ✓ 3b7dba00267e Pull complete 6.2s
[+] Running 3/3
 ✓ Network gitea_default Created 0.1s
 ✓ Volume "gitea_gitea_data" Created 0.0s
 ✓ Container gitea Started 1.2s
@lujainzia127 → /workspaces/ccassign/gitea/gitea (main) $
```

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.

```

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ touch README.md

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ echo "Lujain Zia 2023-BSE-034" > README.md

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git commit -m "student info"
[main (root-commit) 0f46130] student info
1 file changed, 1 insertion(+)
create mode 100644 README.md

user@DESKTOP-6S448KE MINGW64 ~/studentlist (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.

```

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git remote add gitea https://gitea.com/lujainzia127/studentlist.git

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git remote -v
gitea https://gitea.com/lujainzia127/studentlist.git (fetch)
gitea https://gitea.com/lujainzia127/studentlist.git (push)
origin https://gitea.com/lujainzia127/studentlist.git (fetch)
origin https://gitea.com/lujainzia127/studentlist.git (push)

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git push gitea main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 473 bytes | 236.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: . Processing 1 references
remote: Processed 1 references in total
To https://gitea.com/lujainzia127/studentlist.git
7175332..55cbeld main -> main

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$

```

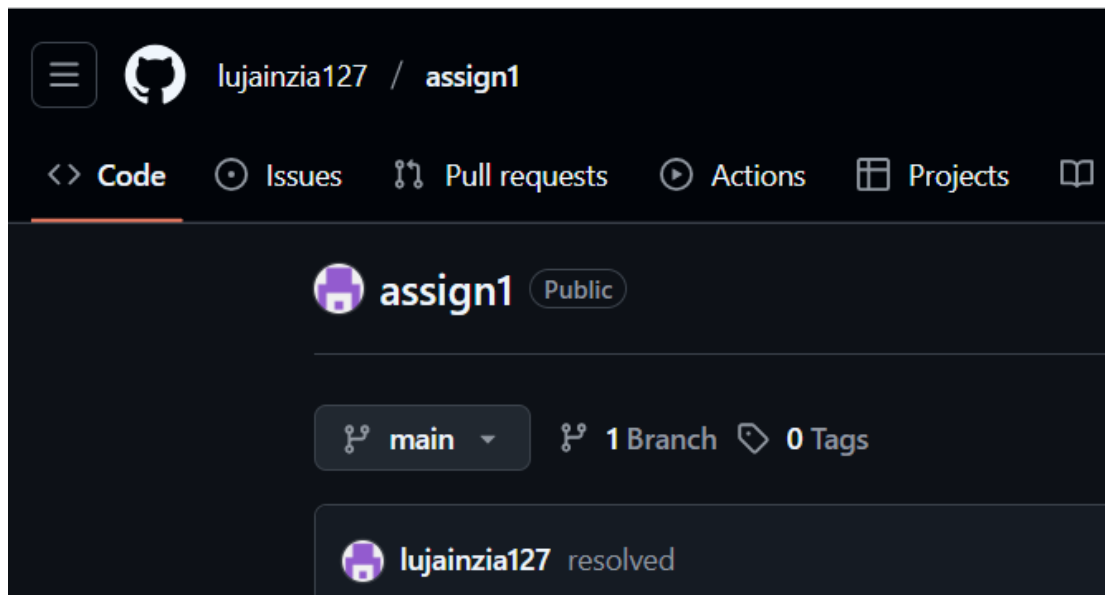
Task 2: Mirror README.md from Gitea to GitHub

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. (redone)



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>

```
MINGW64:/c/Users/user/studentlist
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git remote add github https://github.com/lujainzia127/assign1.git

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git push github main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (9/9), 668 bytes | 133.00 KiB/s, done.
Total 9 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/lujainzia127/assign1.git
* [new branch]      main -> main
```

4. Push the README.md File to GitHub:

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

```
MINGW64:/c/Users/user/studentlist
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git remote add github https://github.com/lujainzia127/assign1.git

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git push github main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (9/9), 668 bytes | 133.00 KiB/s, done.
Total 9 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/lujainzia127/assign1.git
* [new branch]      main -> main
```

5. Verify Remotes:

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

```
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git remote -v
gitea    https://gitea.com/lujainzia127/studentlist.git (fetch)
gitea    https://gitea.com/lujainzia127/studentlist.git (push)
github   https://github.com/lujainzia127/assign1.git (fetch)
github   https://github.com/lujainzia127/assign1.git (push)
origin   https://gitea.com/lujainzia127/studentlist.git (fetch)
origin   https://gitea.com/lujainzia127/studentlist.git (push)
```

Task 3: Use Git LFS for Large Files

1. Install Git LFS:

- Set up Git LFS in your local repository.

```
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.
```

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.

Name	Date modified	Type	Size
README	10/18/2025 6:34 PM	MD File	1 KB
bin3.dat	10/18/2025 6:49 PM	DAT File	101,376 KB
bin1.txt	10/18/2025 6:48 PM	Text Document	101,344 KB
bin2.dat	10/18/2025 6:49 PM	DAT File	101,376 KB
.gitattributes	10/18/2025 6:51 PM	txtfile	1 KB

```
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git lfs track "bin1.txt"
Tracking "bin1.txt"

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git lfs track "bin2.dat"
Tracking "bin2.dat"

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git lfs track "bin3.dat"
Tracking "bin3.dat"

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$
```

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**

```
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git add bin1.txt.txt
warning: in the working copy of 'bin1.txt.txt', LF will be replaced by CRLF the
next time Git touches it

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git add bin2.dat

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git add bin3.dat

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git commit -m "large files"
[main 5b3f3e1] large files
4 files changed, 2208009 insertions(+)
create mode 100644 .gitattributes
create mode 100644 bin1.txt.txt
create mode 100644 bin2.dat
create mode 100644 bin3.dat
```

```
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git push github main
Uploading LFS objects: 100% (1/1), 104 MB | 6.1 MB/s, done.
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 295.51 KiB | 548.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: warning: See https://gh.io/lfs for more information.
remote: warning: File bin1.txt.txt is 98.97 MB; this is larger than GitHub's rec
ommended maximum file size of 50.00 MB
remote: warning: GH001: Large files detected. You may want to try Git Large File
Storage - https://git-lfs.github.com.
To https://github.com/lujainzia127/assign1.git
55cbeld..5b3f3e1 main -> main
```

lujainzia127 / assign1

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

assign1 Public

main 1 Branch 0 Tags

Go to file Add file <> Code

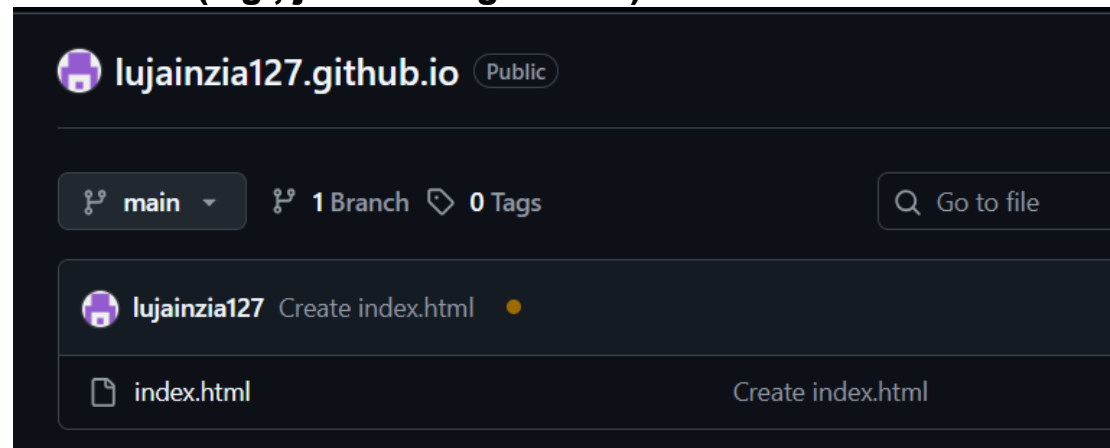
File	Commit	Time
lujainzia127 large files	5b3f3e1 · 1 minute ago	4 Commits
.gitattributes	large files	1 minute ago
README.md	resolved	21 minutes ago
bin1.txt.txt	large files	1 minute ago
bin2.dat	large files	1 minute ago
bin3.dat	large files	1 minute ago

Task 4: Create a Portfolio/CV with GitHub Pages

1. Create a new repository for GitHub Pages:

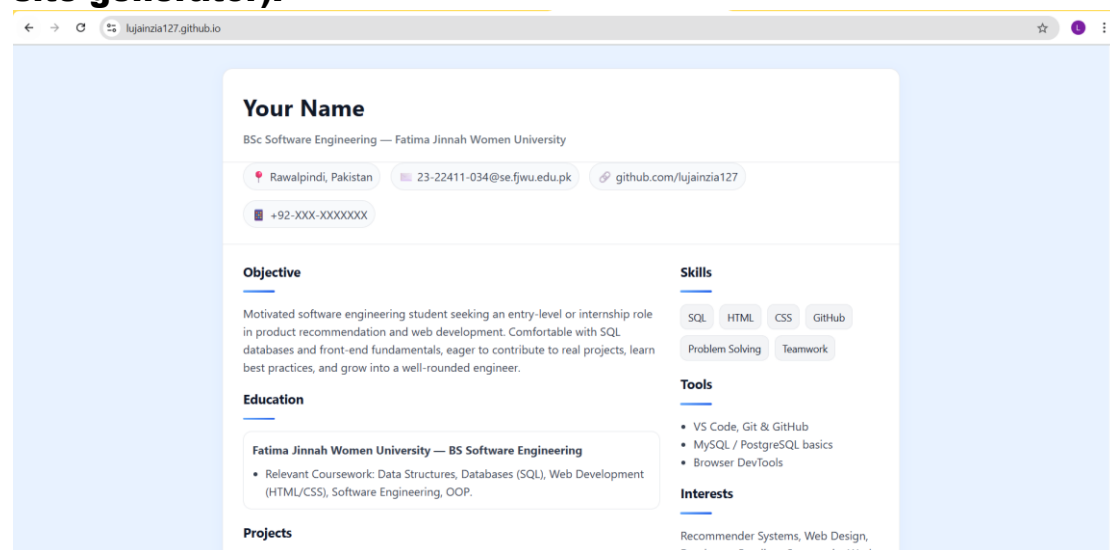
- Create a new repository named <your-username>.github.io.
- Replace <your-username> with your actual GitHub

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.

```
MINGW64:/c/Users/user/lujainzia127.github.io

user@DESKTOP-6S448KE MINGW64 ~/lujainzia127.github.io (main)
$ git add .

user@DESKTOP-6S448KE MINGW64 ~/lujainzia127.github.io (main)
$ git commit -m "CV"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

user@DESKTOP-6S448KE MINGW64 ~/lujainzia127.github.io (main)
$ |
```

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

Github repo link: <https://github.com/lujainzia127/assign1>

The screenshot shows a GitHub repository page for 'lujainzia127 / assign1'. The repository is public and has 4 commits. The file list includes .gitattributes, README.md, bin1.txt, bin2.dat, and bin3.dat. The README.md file is selected, showing its content: 'Lujain Zia 2023-BSE-034'.

Repository Details:

- Repository: assign1 (Public)
- Branch: main (1 Branch)
- Tags: 0 Tags
- Commits: 4 Commits

File List:

File	Type	Commit
.gitattributes	large files	10 minutes ago
README.md	resolved	31 minutes ago
bin1.txt	large files	10 minutes ago
bin2.dat	large files	10 minutes ago
bin3.dat	large files	10 minutes ago

Commit History:

Commit	Author	Message	Time
ab8929663b	admin	Add README.md	28 minutes ago
ab8929663b	admin	Add README.md	28 minutes ago

README.md Content:

```
Lujain Zia 2023-BSE-034
```

```
user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$ git remote -v
gitea  https://gitea.com/lujainzia127/studentlist.git (fetch)
gitea  https://gitea.com/lujainzia127/studentlist.git (push)
github https://github.com/lujainzia127/assign1.git (fetch)
github https://github.com/lujainzia127/assign1.git (push)
origin https://gitea.com/lujainzia127/studentlist.git (fetch)
origin https://gitea.com/lujainzia127/studentlist.git (push)

user@DESKTOP-6S448KE MINGW64 ~/studentlist (main)
$
```