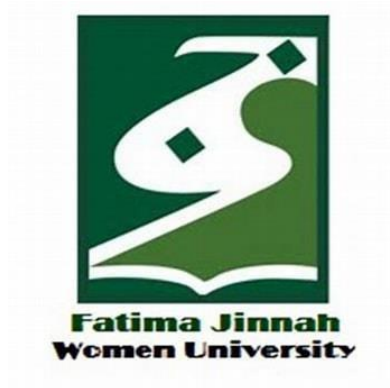# CLOUD COMPUTING

ASSIGNMENT NO. 1

SUBMITTED TO:

Waqas Saleem

SUBMITTED BY:

Name: Amina Noor

Reg No. 2023-BSE-007 **Semester:**
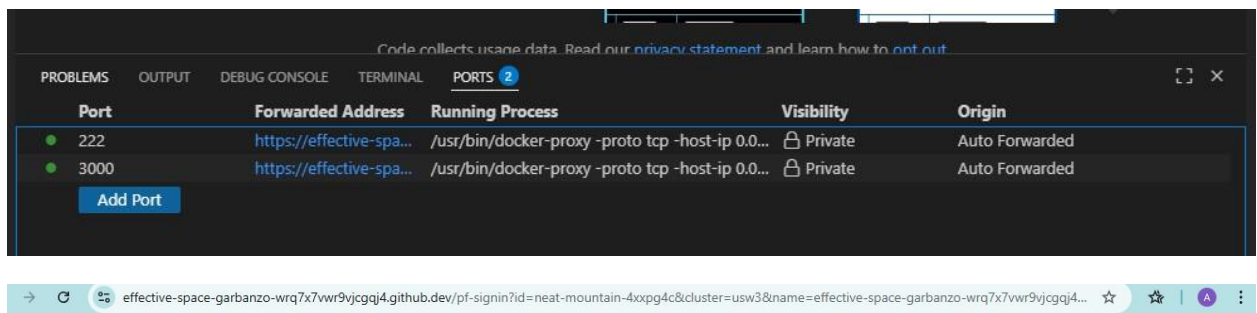
V-A

CLOUD COMPUTING

ASSIGNMENT NO. 1

Task List:

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

Step A: Run Gitea inside Codespace

Step B: Forward the port to access Gitea:

Step C: Set up Gitea in the browser:

Create an **admin account**.
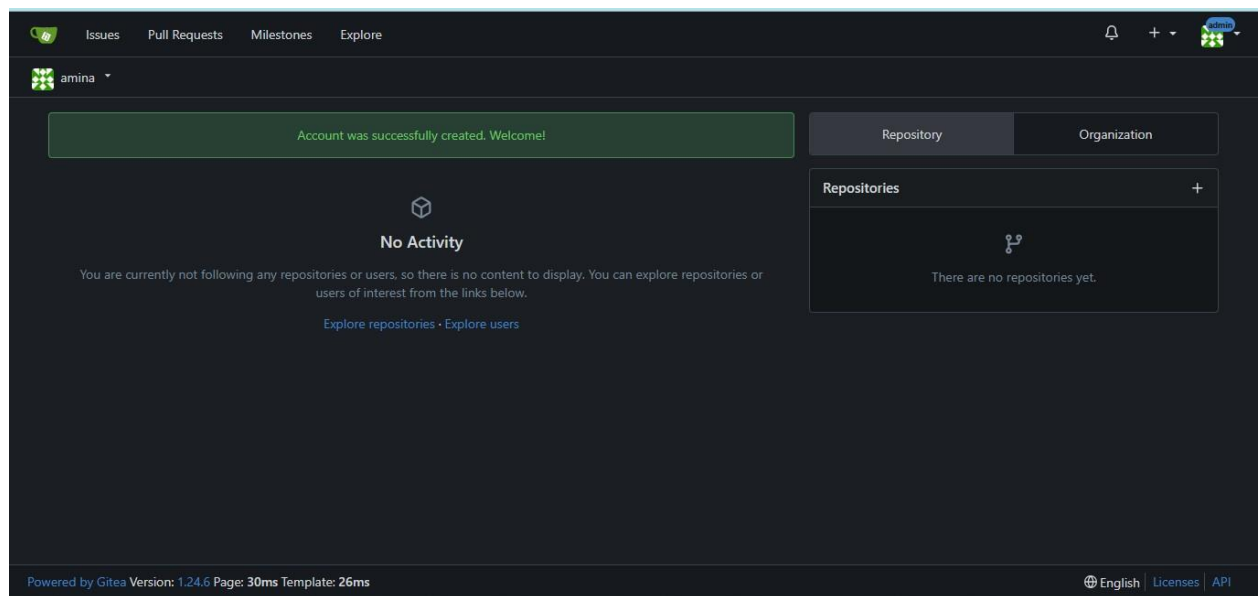
Step D: Create a new repository in Gitea:

Click **New Repository** → name it `assignment1`.
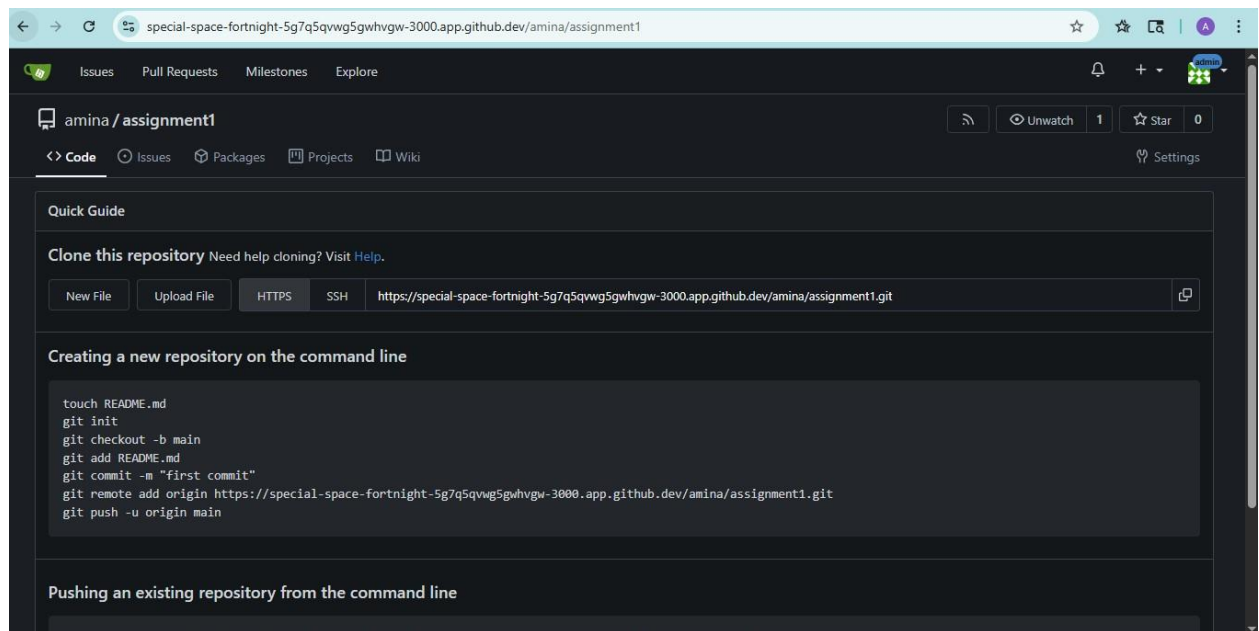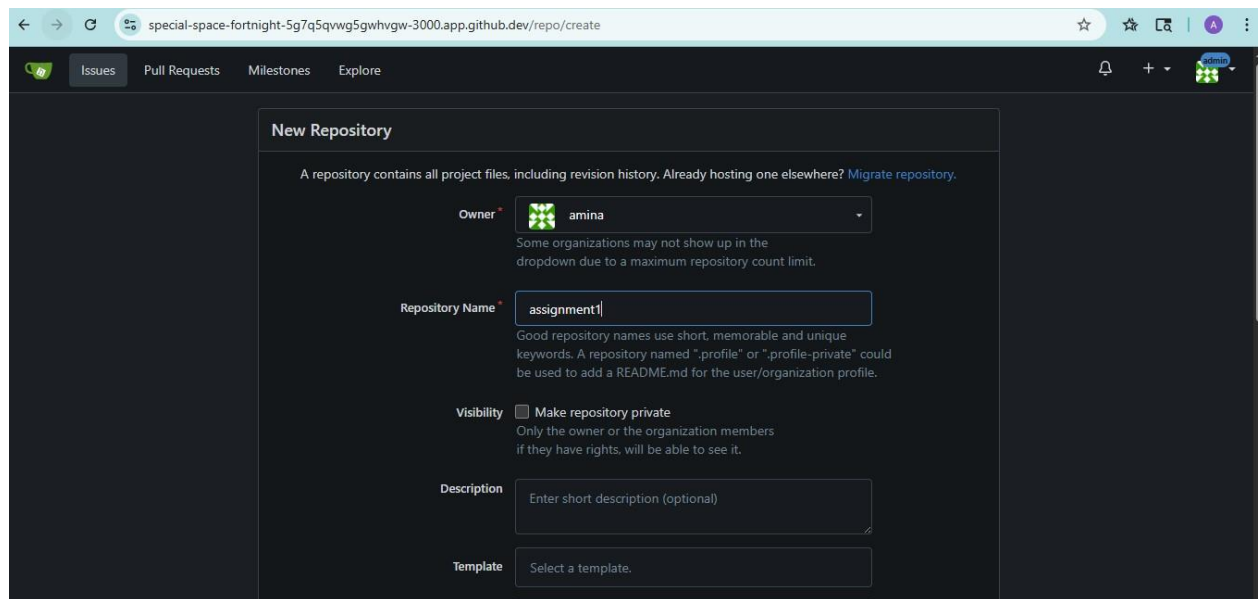
Add a **README.md** listing student names & roll numbers.
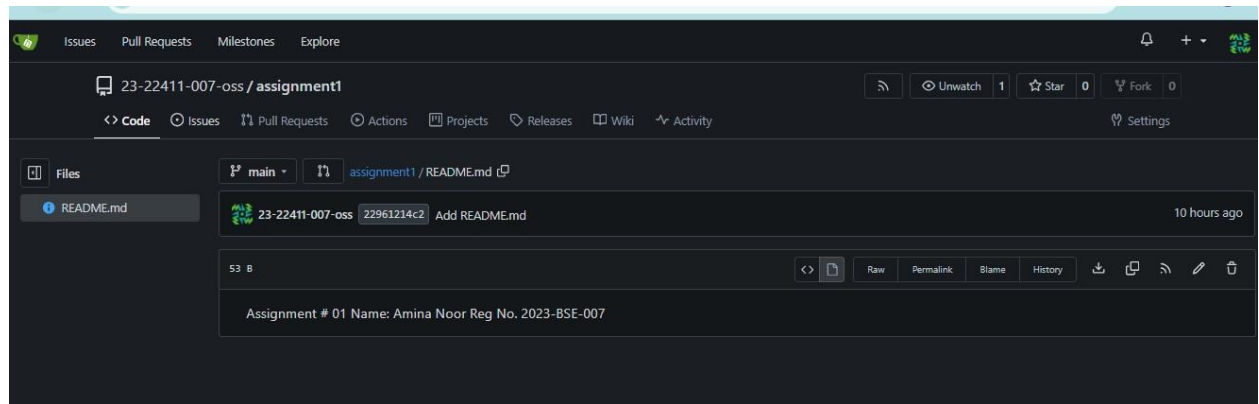
Connect Codespace to Gitea:

Open Settings in Gitea :

Generating Token:

PAT

Repository and Organization Access

○ Public only

● All (public, private, and limited)

Selected token permissions limit authorization only to the corresponding API routes.
Read the documentation for more information.

activitypub	● No Access	○ Read	○ Read and Write
issue	● No Access	○ Read	○ Read and Write
misc	● No Access	○ Read	○ Read and Write
notification	● No Access	○ Read	○ Read and Write
organization	● No Access	○ Read	○ Read and Write
package	● No Access	○ Read	○ Read and Write
repository	○ No Access	○ Read	● Read and Write
user	● No Access	○ Read	○ Read and Write

Generate Token

Authorized OAuth2 Applications

You have granted access to your personal Gitea account to these third-party
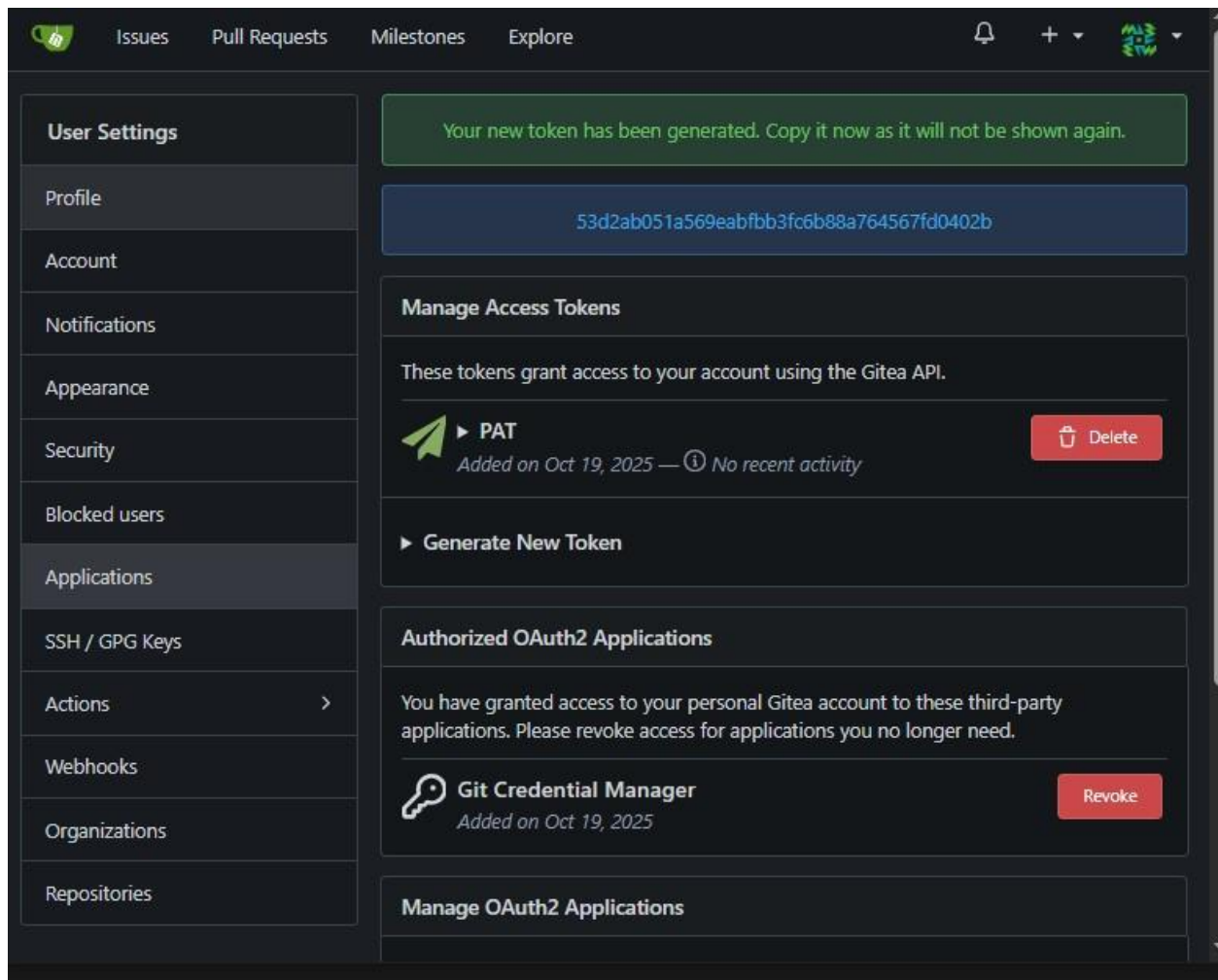
Appearance

Security

Blocked users

Applications

SSH / GPG Keys

Actions   >

Webhooks

Organizations

Repositories

Running commands on Git Bash:

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git init
Reinitialized existing Git repository in C:/Users/lenovo/Documents/CC-AminaNoor-
007/.git/

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git remote add gitea http://23-22411-007-oss:53d2ab051a569eabfbb3fc6b88a764567
fd0402b@gitea.com/23-22411-007-oss/assignment1.git

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git pull
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 10 (delta 0), reused 1 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (10/10), 900 bytes | 15.00 KiB/s, done.
From https://gitea.com/23-22411-007-oss/assignment1
   6438cde..2296121  main         -> origin/main
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=<remote>/<branch> main


lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git branch -M main

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git pull gitea main
warning: redirecting to https://gitea.com/23-22411-007-oss/assignment1.git/
From http://gitea.com/23-22411-007-oss/assignment1
 * branch            main         -> FETCH_HEAD
 * [new branch]      main         -> gitea/main
Updating 6438cde..2296121
Fast-forward
 README.md | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 README.md

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ ls
README.md
```

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ cat README.md
Assignment # 01
Name: Amina Noor
Reg No. 2023-BSE-007
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ echo "Semester: 5-A" >> README.md

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ cat README.md
Assignment # 01
Name: Amina Noor
Reg No. 2023-BSE-007Semester: 5-A

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git add .
warning: in the working copy of 'README.md', LF will be replaced by CRLF the nex
t time Git touches it

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git commit -m "local commit"
[main a394912] local commit
 1 file changed, 1 insertion(+), 1 deletion(-)

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git push -u gitea main
remote: Unauthorized
fatal: Authentication failed for 'http://gitea.com/23-22411-007-oss/assignment1.
git/'
```

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git remote set-url gitea https://gitea.com/23-22411-007-oss/assignment1.git

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git push -u gitea main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 313 bytes | 104.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: . Processing 1 references
remote: Processed 1 references in total
To https://gitea.com/23-22411-007-oss/assignment1.git
   2296121..a394912  main -> main
branch 'main' set up to track 'gitea/main'.
```

On Gitea:

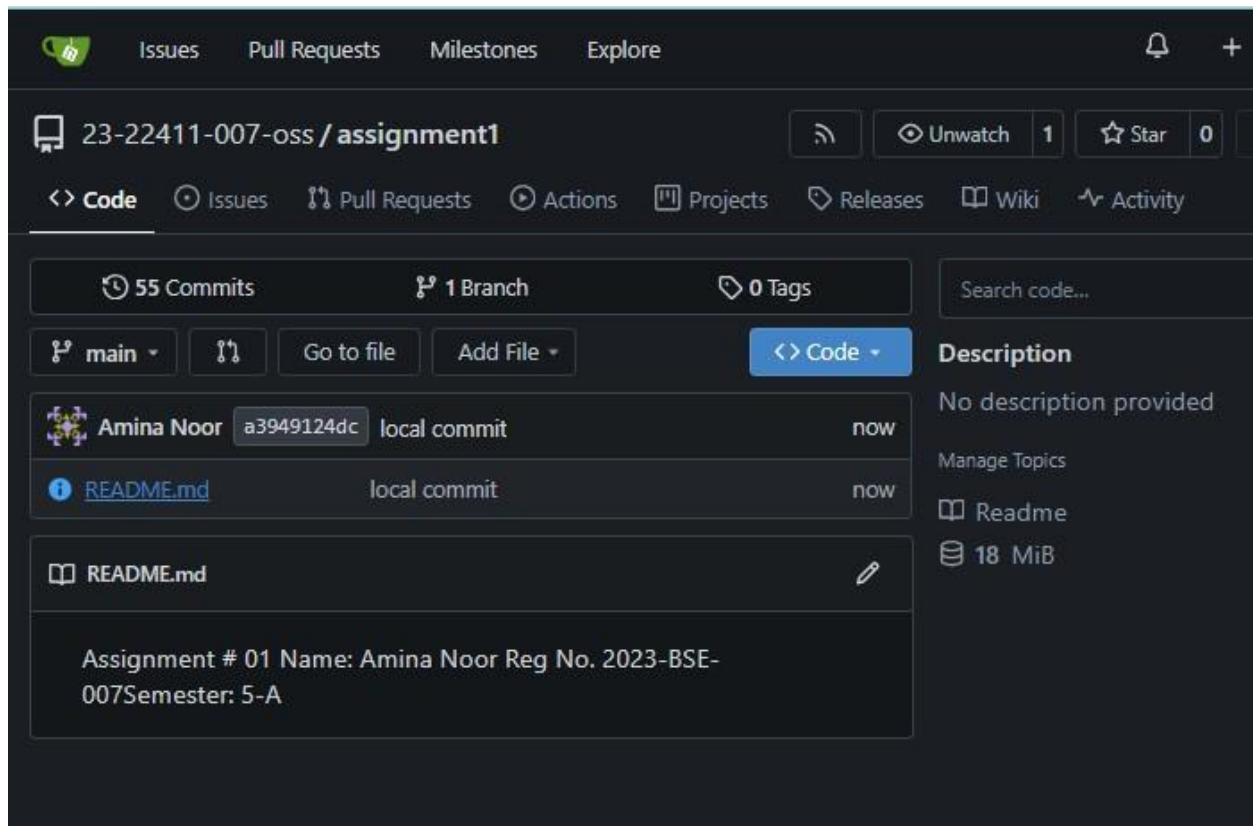## Task 2: Mirror README.md from Gitea to GitHub

Running commands on Git Bash:

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git remote add github https://gitea.com/23-22411-007-oss/assignment1.git

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git push -u github main
remote: Failed to authenticate user
fatal: Authentication failed for 'https://gitea.com/23-22411-007-oss/assignment1
.git/'

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git remote remove github

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git remote add github https://github.com/23-22411-007-oss/assignment1.git

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git push -u github main
remote: Repository not found.
fatal: repository 'https://github.com/23-22411-007-oss/assignment1.git/' not fou
nd

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git push -u github main
Enumerating objects: 267, done.
Counting objects: 100% (267/267), done.
Delta compression using up to 4 threads
Compressing objects: 100% (194/194), done.
Writing objects: 100% (267/267), 8.75 MiB | 289.00 KiB/s, done.
Total 267 (delta 46), reused 233 (delta 34), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (46/46), done.
To https://github.com/23-22411-007-oss/assignment1.git
 * [new branch]      main -> main
branch 'main' set up to track 'github/main'.
```
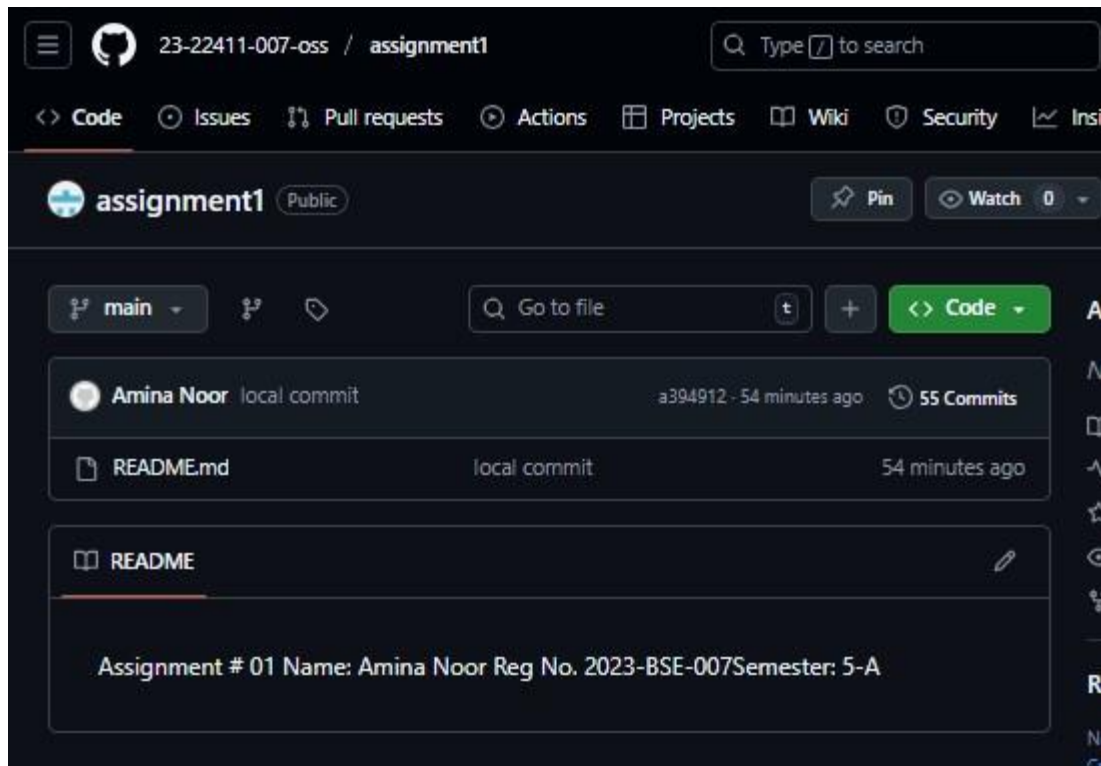
On GitHub:

On Gitea:

Verify Remotes:

Task 3: Use Git LFS for Large Files

Install Git LFS

Checking LFS version:

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git lfs version
git-lfs/3.7.0 (GitHub; windows amd64; go 1.24.4; git 92dddf56)
```

Making three big files:

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ dd if=/dev/zero of=bigfile1.zip bs=1M count=150
150+0 records in
150+0 records out
157286400 bytes (157 MB, 150 MiB) copied, 0.0800286 s, 2.0 GB/s

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ dd if=/dev/zero of=bigfile2.zip bs=1M count=200
200+0 records in
200+0 records out
209715200 bytes (210 MB, 200 MiB) copied, 0.0879745 s, 2.4 GB/s

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ dd if=/dev/zero of=bigfile3.zip bs=1M count=250
250+0 records in
250+0 records out
262144000 bytes (262 MB, 250 MiB) copied, 0.109043 s, 2.4 GB/s
```

Tell Git LFS to track your big files

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git lfs track "*.zip"
Tracking "*.zip"
```

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git add .gitattributes
```

Stage your big files

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git add bigfile1.zip bigfile2.zip bigfile3.zip
```

Commit the changes

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git commit -m "Add large files with Git LFS"
[main 84622ee] Add large files with Git LFS
 4 files changed, 10 insertions(+)
 create mode 100644 .gitattributes
 create mode 100644 bigfile1.zip
 create mode 100644 bigfile2.zip
 create mode 100644 bigfile3.zip
```

Push to GitHub (assignment 1 repo)

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ git push github main
Uploading LFS objects: 100% (3/3), 629 MB | 878 KB/s, done.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 797 bytes | 199.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/23-22411-007-oss/assignment1.git
   a394912..84622ee  main -> main
```

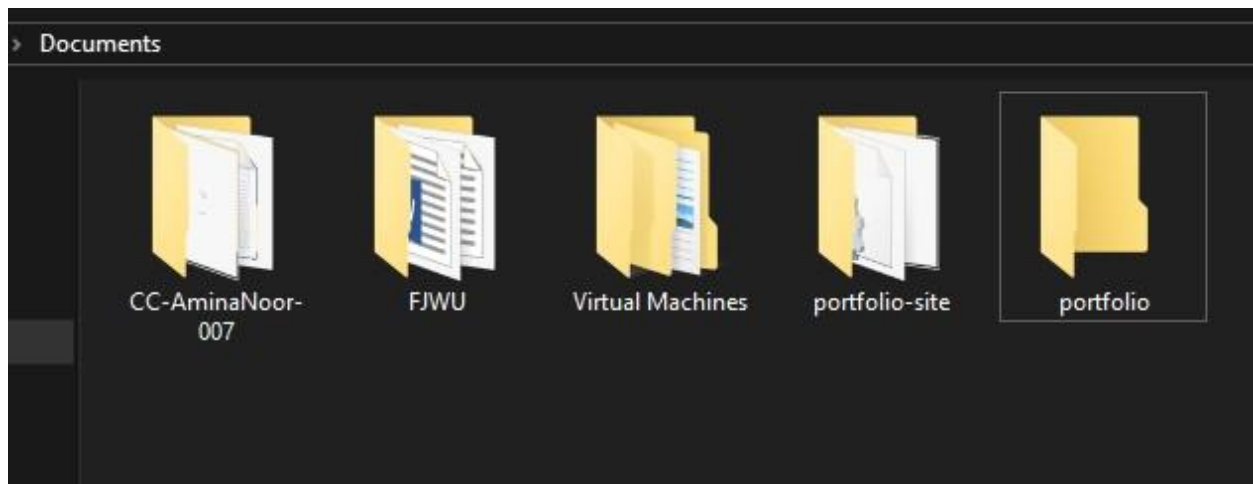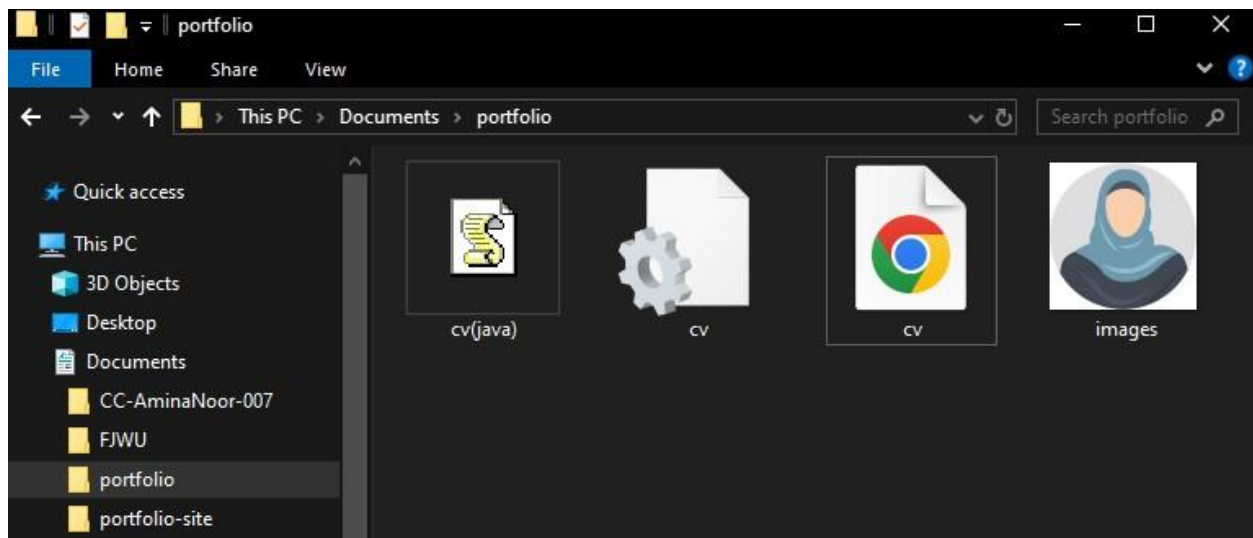On GitHub after adding those three big files:

Task 4: Create a Portfolio/CV with GitHub Pages

Create folder named portfolio in your computer:

Now create the .html, .css, .js text files and image.png in this folder.

Initialize Git and Commit Files

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/CC-AminaNoor-007 (main)
$ cd ~/Documents/portfolio

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (master)
$ ls
'cv(java).js'   cv.css   cv.htm   images.png

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (master)
$ git init
Initialized empty Git repository in C:/Users/lenovo/Documents/portfolio/.git/

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (master)
$ git add .

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (master)
$ git commit -m "Initial commit of portfolio/CV"
[master (root-commit) 2ac111d] Initial commit of portfolio/CV
 4 files changed, 256 insertions(+)
 create mode 100644 cv(java).js
 create mode 100644 cv.css
 create mode 100644 cv.htm
 create mode 100644 images.png
```

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (master)
$ git remote add origin https://github.com/23-22411-007-oss/23-22411-007-oss.github.io.git
```

```
lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (main)
$ git push -u origin main
To https://github.com/23-22411-007-oss/23-22411-007-oss.github.io.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/23-22411-007-oss/23-22411-007-oss.github.i
o.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

lenovo@DESKTOP-2IJM5BT MINGW64 ~/Documents/portfolio (main)
$ git push -u origin main --force
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 7.88 KiB | 1.97 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/23-22411-007-oss/23-22411-007-oss.github.io.git
 + 8e20d3d...2ac111d main -> main (forced update)
branch 'main' set up to track 'origin/main'.
```

On GitHub:
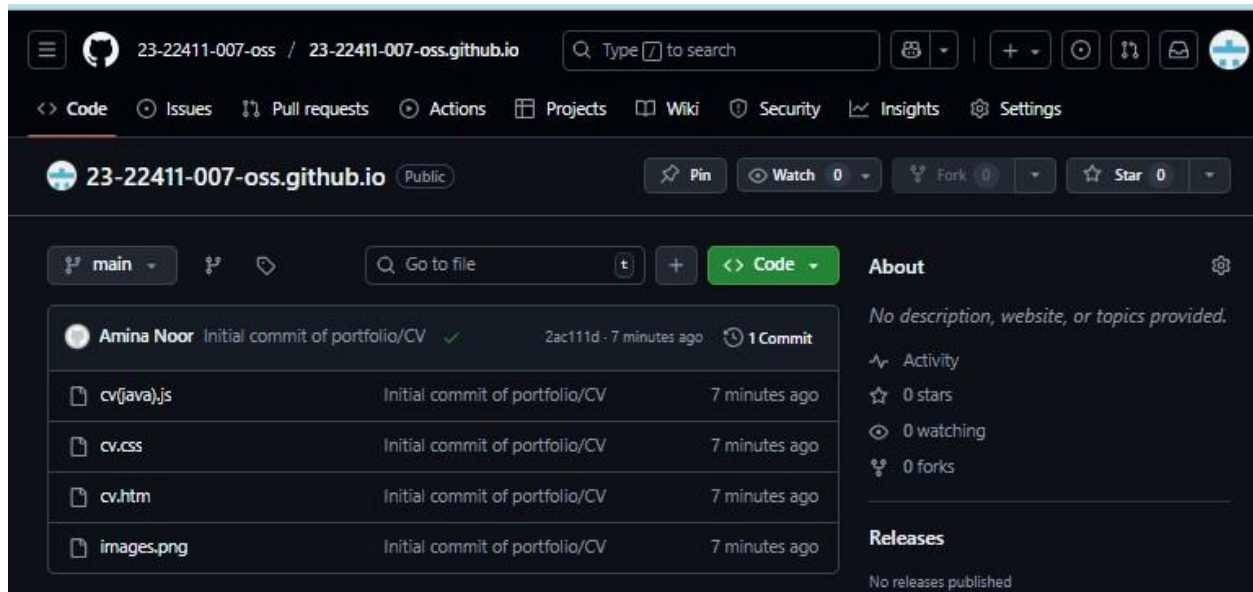
GitHub Pages:

Now live link: **https://23-22411-007-oss.github.io/**
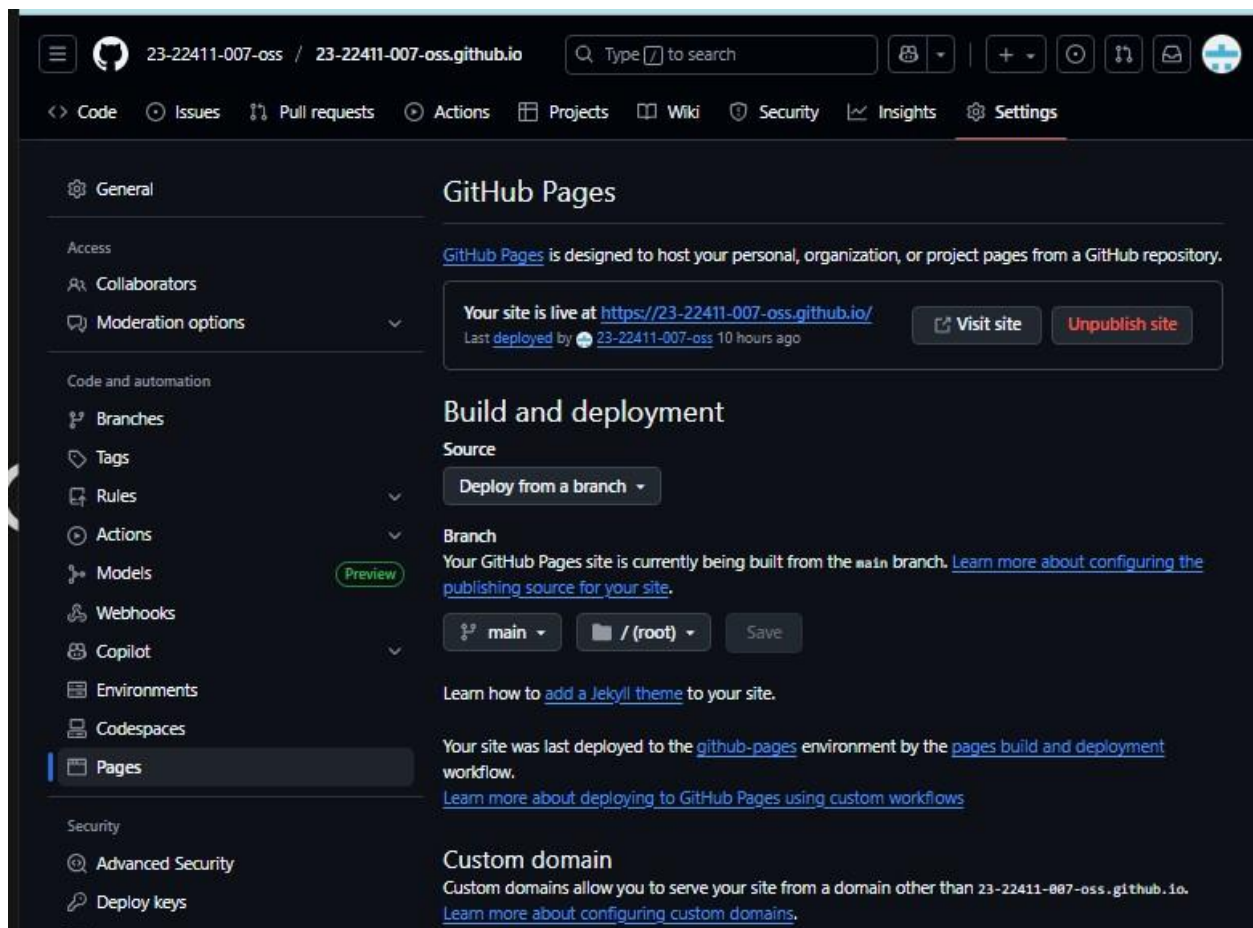
Live Site View:

Amina Noor

Bachelor of Software Engineering — Fatima Jinnah Women University

📞 +92 333 9459176 • ✉ nooramina685@gmail.com • Rawalpindi, Pakistan

About Education Skills Expertise

About Me

Personable and motivated, equipped with foundational knowledge and technical skills in project management and data analysis. Familiar with Microsoft Office and basic coding languages. Aims to leverage these skills to contribute to team success and drive positive outcomes.

Education

Fatima Jinnah Women University

Rawalpindi — 2023 - Present

Bachelor of Software Engineering

Fauji Foundation College

Rawalpindi — 2021 - 2023

FSc - ICS

Army Public School & College (FWO)

Rawalpindi — 2019 - 2021

Computer Science

Skills Summary

- C++
- SQL
- Project Management
- Microsoft Office

Expertise

Management Skills
Creativity
Critical Thinking
Leadership

Made By Amina Noor. Download: Download as HTML bundle

Assignment Link: https://github.com/23-22411-007-oss/assignment1