

Fatima Jinnah Women University



Year 2023-27

Department: Software Engineering

Assignment 1

Git, Gitea Github,LFS and Git pages

Subject: Cloud Computing

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2023-BSE-069

V-B

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

- Gitea server was set up and run inside GitHub Codespace.
- HTTPS was used for secure communication since SSH is not supported.
- A new repository was created on the Gitea server.
- A README.md file was added as the initial file.
- The Gitea repository was added as a remote using its HTTPS URL.
- The initial commit with the README file was pushed to the Gitea repository.

The screenshot shows a GitHub repository page for 'Ushna15/gitea_asg1'. The README.md file is open, displaying the following content:

```
1 # gitea_asg1
```

Task 2: Mirror README.md from Gitea to GitHub

- A new GitHub repository named assignment 1 was created.
- The same local repository used for Gitea was connected to GitHub as a second remote.
- The contents, including the README.md, were pushed from local to GitHub.
- The git remote -v command was used to verify both Gitea and GitHub remotes.

GitHub assignment 1 repo link (with README and large files)

<https://github.com/Ushna15/assignment-1>

Screenshot or output of git remote -v showing both remotes

```
AC@DESKTOP-QRK50P1 MINGW64 /D/github/gitea_asg1 (main)
$ git remote -v
github https://github.com/Ushna15/assignment-1.git (fetch)
github https://github.com/Ushna15/assignment-1.git (push)
origin https://curly-umbrella-jjpjjgpp6v44f54w9-3000.app.github.dev/Ushna15/git
ea_asg1.git (fetch)
origin https://curly-umbrella-jjpjjgpp6v44f54w9-3000.app.github.dev/Ushna15/git
ea_asg1.git (push)

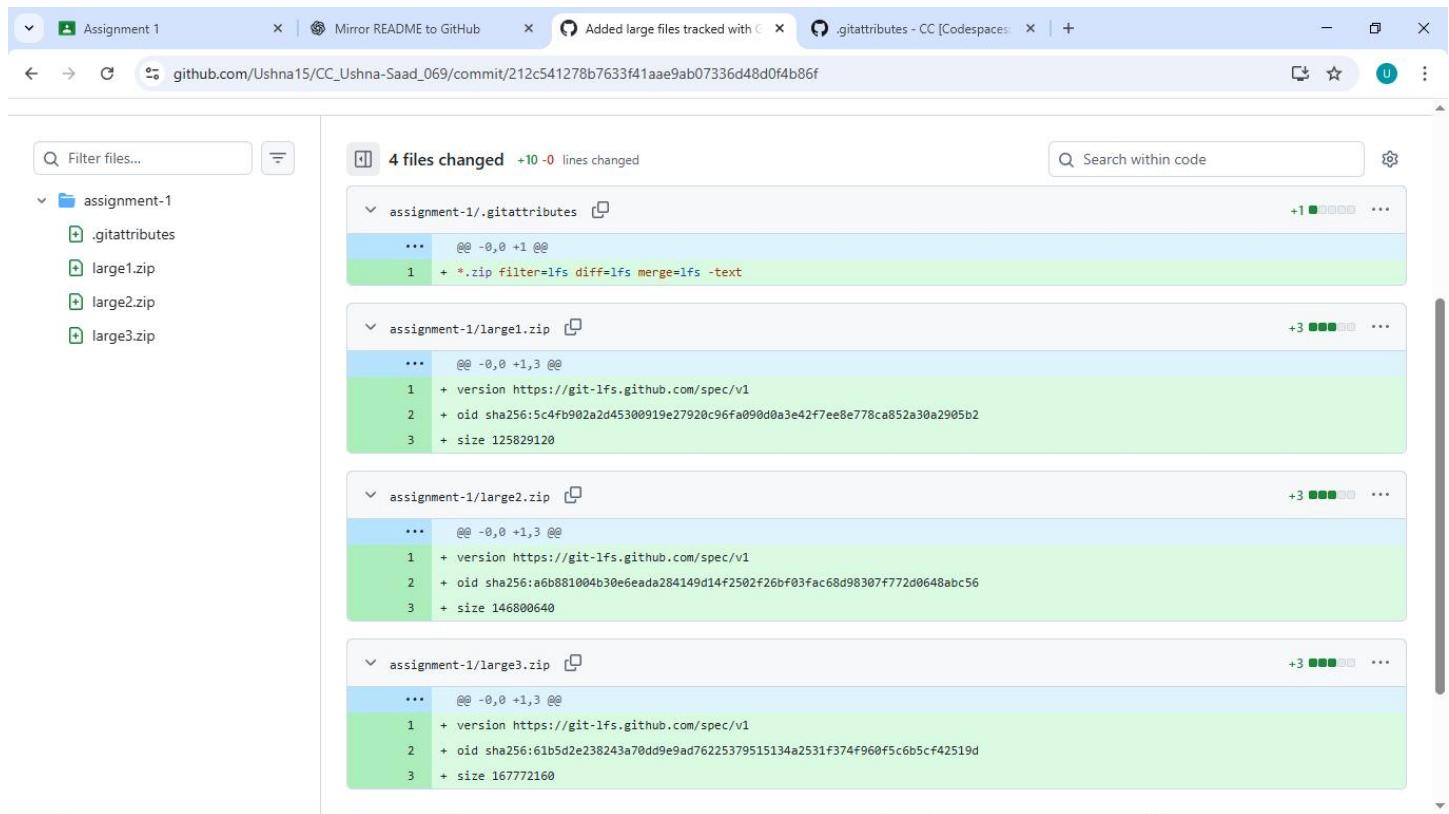
AC@DESKTOP-QRK50P1 MINGW64 /D/github/gitea_asg1 (main)
$ ^[[200-git push github main
bash: $'\E[200-git': command not found

AC@DESKTOP-QRK50P1 MINGW64 /D/github/gitea_asg1 (main)
$ git push github main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 350 bytes | 175.00 KiB/s, done.
Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
To https://github.com/Ushna15/assignment-1.git
 * [new branch]      main -> main

AC@DESKTOP-QRK50P1 MINGW64 /D/github/gitea_asg1 (main)
$ $|
```

Task 3: Use Git LFS for Large Files

- Git Large File Storage (LFS) was installed and initialized in the repository.
- Three large files (each over 100 MB) were added to the repository.
- File extensions were tracked using the git lfs track command.
- The large files were committed and pushed to the GitHub repository using Git LFS.
- Files were successfully referenced through LFS pointers in the repository history.



The screenshot shows a GitHub commit page for a repository named 'Assignment 1'. The commit message is 'Added large files tracked with Git LFS'. The commit details show four files changed:

- assignment-1/.gitattributes**: Contains the LFS tracking configuration for three zip files.
- assignment-1/large1.zip**: Contains metadata for the first large file, including version, oid, and size.
- assignment-1/large2.zip**: Contains metadata for the second large file.
- assignment-1/large3.zip**: Contains metadata for the third large file.

The commit also includes a search bar for code and a sidebar with a 'Filter files...' button and a list of files in the repository.

Task 4: Create a Resume with GitHub Pages

- A new repository named ushna15.github.io was created for GitHub Pages.
- An index.html file was created containing the resume content.
- The index.html file was pushed to the GitHub Pages repository.
- GitHub Pages was enabled to publish the site automatically.
- The final live link displays the hosted online resume webpage.

GitHub Pages link to your CV/portfolio

<https://Ushna15.github.io>