**A brief reflection on git and github experience:**

Using git and github was a valuable experience with version control system. Git helped in keeping track of code changes and updates. GitHub added an essential layer of backup and version tracking, making it easier to revert to earlier versions if a particular change didn’t work as expected or broke the layout. Moreover, it provided a facility to work on different branches and then combining them with main after completion of work. Git helped in managing the code locally, while git hub helped in creating remote repository that could be accessed at any time. This helped in pulling and reverting back to any previous commit. In this project, I did not face any merge conflict as I was working solely on this project. But in a few of my collaborative projects, I have faced merge conflicts several times. Git helps in detecting merge conflicts in commits by users, and instead of overwriting the code, it notifies the users for merge conflict. Conflicted code is highlighted by git, and user can manually resolve conflict or may use built in support tools of git, that provide friendly navigation to go through these conflicts. This project reinforced the importance of frequent commits and clear commit messages, making it easier to navigate project’s development history.