Git Usage Group 78

Introduction To Git

When we were introduced to git we were amazed by the possibilities of such a simple on-the-surface program. Our team made our git branch and implemented its usage with our workflow. Initially, we experienced no conflicts, but with continued use over the following days, conflicts became more frequent. We developed the ability to address and learn from these issues by implementing better organization and clearer categorization of each team member's work. This approach allowed everyone to work concurrently without encountering conflicts.

Code Versioning

Thanks to git's in-depth versioning system and rollbacks our team was able to revert to early versions of code or save lost code files. The benefits that git gave to our team in regard to version control and code versioning did not make a big impact but was still useful.

Review Process

Thanks to git and the ease of updating and maintaining our branch in the javacraft repository, collaboration became quicker and more efficient. Each team member could easily push updates to his code and let other team members check the code. Same with the pseudocode, flowcharts and the DFA's.

Git Tools and Services

The main platform that was used for updating our repository was **GitLab** because the university provided us with it and it was very simple yet extensive when it comes to its tools and logging of commits and pushes.

Documentation

Using the git log and other tools like GitLab made documenting changes in our work very easy yet comprehensive.

Learning Best Practises

Thanks to git and GitLab we learned to make descriptive yet short comments on commits and changes to the database that made everything more clean and consistent. Like the color of the flowcharts.

Summary

Git usage was a big part of our team's work. The team as a whole found git very useful so almost everything was being done through git to make sure there was consistency and transparency.