Jeremiah Franco

Brother Hayes

CSE 210

28 April 2023

Version Control

As programmers, we constantly input new data and take data while we are programming. With all these changes happening to our code, how can we possibly keep track of all the changes that programmers make to the program? This is where version control happens. Version control is a tool that helps us programmers keep track of the changes that were made to the code. While we are programming and changing the code, version control keeps previous versions of the code if needed. That is one of the benefits of version control. Let’s say that while you are coding you mess up and you want to go back to the previous version of your program. You can access all your programming files that you have committed because of version control.

For example, while you are coding you decide to save it and commit the program to git-a version control system. For this example, we will use VSCode as our programming program. Once we are finished with our code, we want to commit and push the program to GitHub. You open the terminal in VSCode and type: “git add .”. What this is doing is adding the current directory file to the staging area before it is committed and pushed to GitHub. Once completed, you then type “git commit -m ‘-’”. You are then committing the program with a message describing the changes you have done to the program. Next, you then type: “git push”. This pushes the program to GitHub to your repositories. If you go to GitHub and check your repositories, you can see the program that you have pushed and commented.

This is why version control is so important and useful. You can have access to it anytime, and you have the knowledge of the changes that you have made to your program.