Michaela Hargrove

IT Practicum

CPSC3415

**Module 1**

In module one, we learned about version control, a crucial aspect of software development, and we took our first steps by installing the Git client on our computers for Lab 1. Our first task was to verify our Git version using the "git --version" command. We then configured essential user information such as our name, email address, and default Git editor to personalize our environment. Professor Smith's approach to Lab 1 was helpful, especially her follow-along video that provided step-by-step instructions. The clarity of her explanations and the visual guidance in the video made the process simple, allowing us to grasp version control with Git more effectively.

A screenshot of a computer program

Description automatically generatedA computer screen shot of a black screen with green and white text

Description automatically generated

**Module 2**

In Module 2, we discussed Git commands and learned more about version control. We explored commands like git status, git add, and git commit – m while we learned more about the basic Git workflow. In Lab 2, we initiated a local Git repository, added and modified files, and committed those changes using git init, git add ., git status, and git commit -m. The highlights in this module included Professor Smith’s follow-along demo, which provided an understanding of Lab 2 commands, and the git cheat sheet, which provided a reference for various Git commands and their functions.

A screen shot of a computer

Description automatically generatedA screenshot of a computer screen

Description automatically generated

A computer screen with text and images

Description automatically generatedA screen shot of a computer

Description automatically generated

**Module 3**

This module taught us about multiple Git commands, such as git status, git log -p, and git rm. We changed tracked files and removed and renamed files from within our repository. Throughout the lab, we tracked and committed our changes to keep up with our progress and gained a better understanding of version control. My favorite part of this lab was seeing how the git log –stat command worked and learning how different Git commands functioned.

A screenshot of a computer program

Description automatically generated**A screenshot of a computer program

Description automatically generated**

**A screen shot of a computer

Description automatically generated**

**Module 4**

In module 4, we learned about branch management tasks. During this lab, we created a new branch in our repository and utilized the git branch command to confirm its existence. We edited a file in our selected repository and used the git status command to track our edits and determine which files needed to be staged. We merged between branches and used the git log–graph command to see the flow of changes across the branches. My favorite part of this lab was switching back and forth between the branches and creating a new branch. This allowed me to see the different files in each branch and stage changes.

A screen shot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated