Section 6 – Working with Branches

What’s Important?

Critical:

* Branching…What is it? why use it?
* Understanding Git HEAD
* Git Branch
* Git Switch
* Git Checkout

Important:

* Deleting & Renaming Branches
* Master vs. Main Branch

Nice to have:

* HEAD & Refs behind the scenes

Introducing Branches

Text

Description automatically generated with medium confidence

The Master Branch (Or is it Main)

A picture containing diagram

Description automatically generated

A picture containing text

Description automatically generated

What is Head?

Graphical user interface, text, application, letter

Description automatically generated with medium confidence

Chart, diagram, bubble chart

Description automatically generated

Viewing all branches with Git

Graphical user interface, application

Description automatically generated

Creating and Switching Branches

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Another Option: Git Checkout Vs. Git Switch

Graphical user interface, application

Description automatically generated

Git Checkout is the Swiss Army Knives

Graphical user interface, application

Description automatically generated

Switching Branches with Unstaged Changes

IF you modified a document and try to switch branches: You’ll get an Error to stash or commit changes or it’ll be overridden

Deleting & Renaming Branches

Git branch -d (or -D) <branch name>

Git branch -m <new branch name>

How Git Stores HEAD & Branches

.git/HEAD -> Always points to the current branch

Each Git Branch has the most recent commit id