

launch _code

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Git Overview



Review

Version Control Software created by Linus Torvalds

Similar to the Linux Kernel (also created by Torvalds) it is open source software



Basic Workflow

Adding changes to staging

Committing changes to local git repo

Pushing changes from local repo to remote



Creating a Local Repo

git init (within project directory) will initialize a git repository in your current directory

This allows you to begin controlling "versions" of your project



Branches

Branches allow you to diverge from your master or main branch of development

You are able to create a new branch in multiple ways:

```
git branch new-branch-name
```

```
git checkout -b new-branch-name
```



Merging

This course will cover two different types of merging strategies

Traditional merge with git merge

merging with git rebase



Traditional Merge

Using the traditional merge strategy allows you to keep the original history of commits in-tact

It also means that you will be working directly on your main or master branch of development



Git Rebase

git rebase will reapply commits from your current branch on top of the target branch

You are working with a feature branch and conflicts are handled prior to merging directly into your main or master branch of development

A rebase does alter the history of the feature branch





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