KG

← Pre-Course Work

5 / 28

Repositories

A **repository** ("repo," for short) is a project that is under version control.

There are two types of repositories: **local** and **remote**. A local repository is a repo that is stored on your machine, whereas a remote repository is stored online via GitHub or GitHub Enterprise.

Some examples:

1. If I start a project on my work computer, but don't use Git, then my project has **no** repositories.
2. If I set up my project as a Git repo on my Mac, then my project has a single local repository.
3. If I push my project up to GitHub, my project now has both a local and a remote repository.
4. When I go home, I can download my project from GitHub onto my other computer. My project now has a remote repository and two local repositories.
5. And finally, if I want to test out a competitor to GitHub (i.e., Bitbucket, GitLab, etc.), I can add another remote repository to my project and push my code there. Now my project has two local repositories and two remote repositories.

It's common to create a new repo for each project you're working on rather than have several projects lumped into a single repository.

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