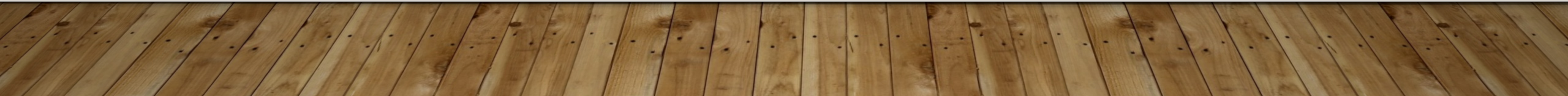


A Quick Intro to Git and Github



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FINAL.doc!



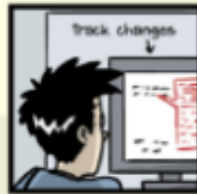
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FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments5.
CORRECTIONS.doc



FINAL_rev.18.comments7.
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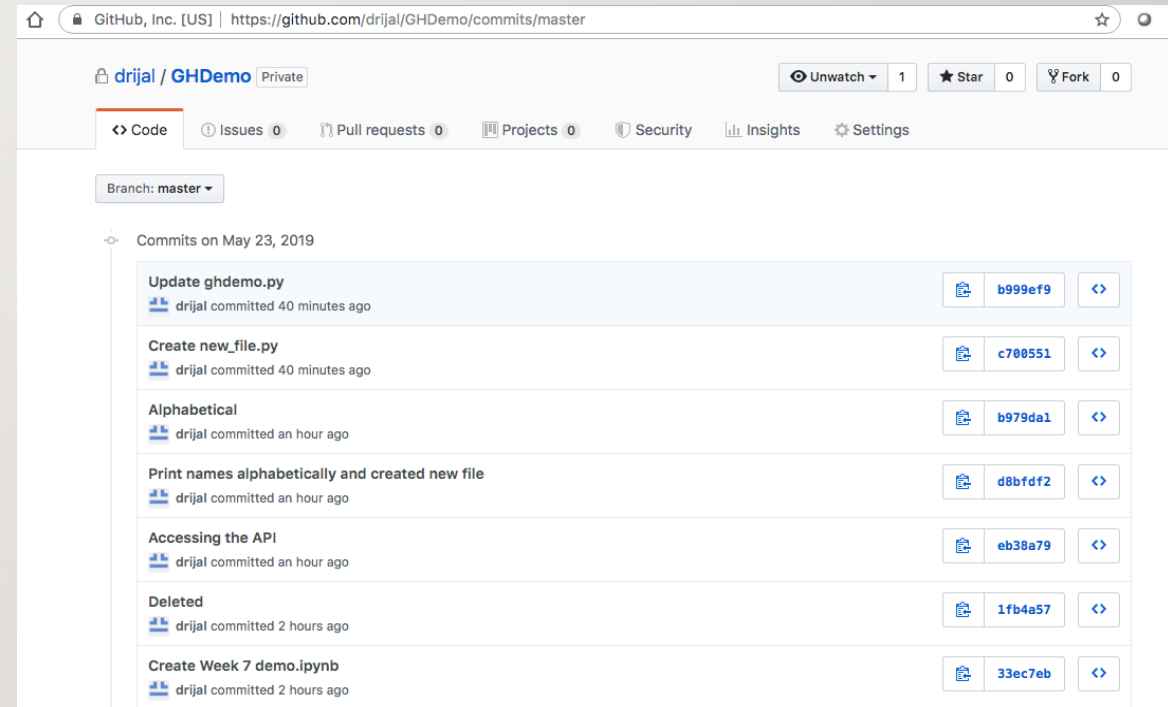
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Git

- Tracks and manages different versions of files that are part of your project
- Each version is called a “commit,” which is a snapshot of the entire working directory, i.e., it records all changes made to the project since last commit
- Branches make it possible to have multiple living versions of your files at any time. This allows you to merge branches, compare changes, and decide what to keep and omit.



git commands

- git help
- git status
- git add
- git commit -m “comment”
- git push
- git pull
- git checkout <branch_name>
- git merge <branch_name>

git resources: <https://git-scm.com/doc>

GitHub

- A code-sharing platform
- Organize and manage contributions to your project (data, code, instructions for use)
- GitHub Desktop: Graphical User Interface (GUI) that allows us to use most features of git

Setup and Explore

- STEP 1: Create a GitHub.com account if you don't have one already
- STEP 2: Download and Install GitHub Desktop from: <https://desktop.github.com/>
- STEP 3: Log in using GitHub.com account
- STEP 4: Clone an existing repository or create a new one
- STEP 5: Explore how to: commit changes, push, pull, compare differences between branches, merge, etc.

GitHub Desktop documentation: <https://help.github.com/en/desktop/contributing-to-projects>