

# Some Final Commands (in the worst theme)



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# Last Time On Git Stuco

- Hooks
  - A way to fire scripts
- git bisect
  - for tracking bugs

# **rebase - changing files across commits**

We did this last time, but it was a bit rushed

# Reverting Previous Commits

- `git revert <commit>`
- creates a new commit to revert the changes of an old commit
- useful if the commit has already been made public
- `-m` to specify which branch to revert from

# Filtering Out Files

- `git filter-branch`
- rewrite commits across branch
- some filters
  - `--tree-filter`
  - `--index-filter`
  - `--subdirectory-filter`

# Moving files

- `git mv <file>`
- Moves a file

# Hosting your own repo

- `git daemon`
- runs a very basic server
  - uses git protocol over TCP
- useful options
  - `--verbose`
  - `--base-path=<path>`
  - `--export-all`
  - `--enable=receive-pack`

# Searching - git grep

- When your repository starts to get really big, it is no longer very easy to find particular files that only exist in certain commits
- `git grep <regex>`
- `git grep twitter $(git rev-list --all)`
- `git grep twitter $(git rev-list head..head~2)`



# Submodules

- Submodules allows you to have a git repository inside another git repository.
- use case: imagine you are working on photoshop, each “tool” might have its own repo which is all linked together
- `git submodule add <url>`
- Creates a `.gitmodules` file in root
- `cd <submodule>`
- `git pull`

# Git replace

- allows you to replace one object in your git database with another object
- A use case might be splitting up your git history into two parts
- Not very useful

# git rerere

advanced git technique  
useful in  
reuse recorded resolution

# git rerere

- `git config --global rerere.enabled true`
- `git rerere diff`
  - What you started with
  - what you resolved it to
- use case: avoid redoing the same merge conflict over and over again
- remove recorded resolutions
  - `git rerere forget your_file.rb`

## HW 7 (Cancelled)

Because of the logistical complexity of this HW,  
we've allocated some time to do it in class

<http://goo.gl/forms/LRLQc5MqB1>

# Next Time on Git Stuco

- Comprehensive review