

Quick git Example

- Now user B comes along and wants to play too:
 - In some other directory. User B does:
 - `git clone /path/to/myrepo.git`
 - Note that they already have the README file
 - Edit README
 - Commit you changes locally: `git commit README`
 - Push it back to the bare repo: `git push`
- Now user A can get this changes by doing: `git pull`
 - Note that I did this on my laptop for demonstration, but the different users can be on completely different machines (and in different countries), as long as they have access to the same server
 - In general, you can push to a *bare repo*, but you can pull from anyone

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- You can easily look at the history by doing: `git log`
 - You can checkout an old version using the hash:
 - `git checkout hash`
 - Make changes, use this older version
 - Look at the list of branches: `git branch`
 - Switch back to the tip: `git checkout master`
 - Other useful commands:
 - `git diff`
 - `git status`
 - Branching
 - `git branch experiment`
 - `git checkout experiment`
- } `git checkout -b experiment`
- `git blame`

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- You can also put a link to your bare repo on the web and people can clone it remotely
 - Note you need to do `git update-server-info -f` after each change to the repo

Community

- Github / bitbucket provide tools to engage with your community
- Issue tracking
- Pull requests



(xkcd)