



# git & GitHub Tutorial

UNM Psychology Coding Club  
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# Why use git and GitHub?

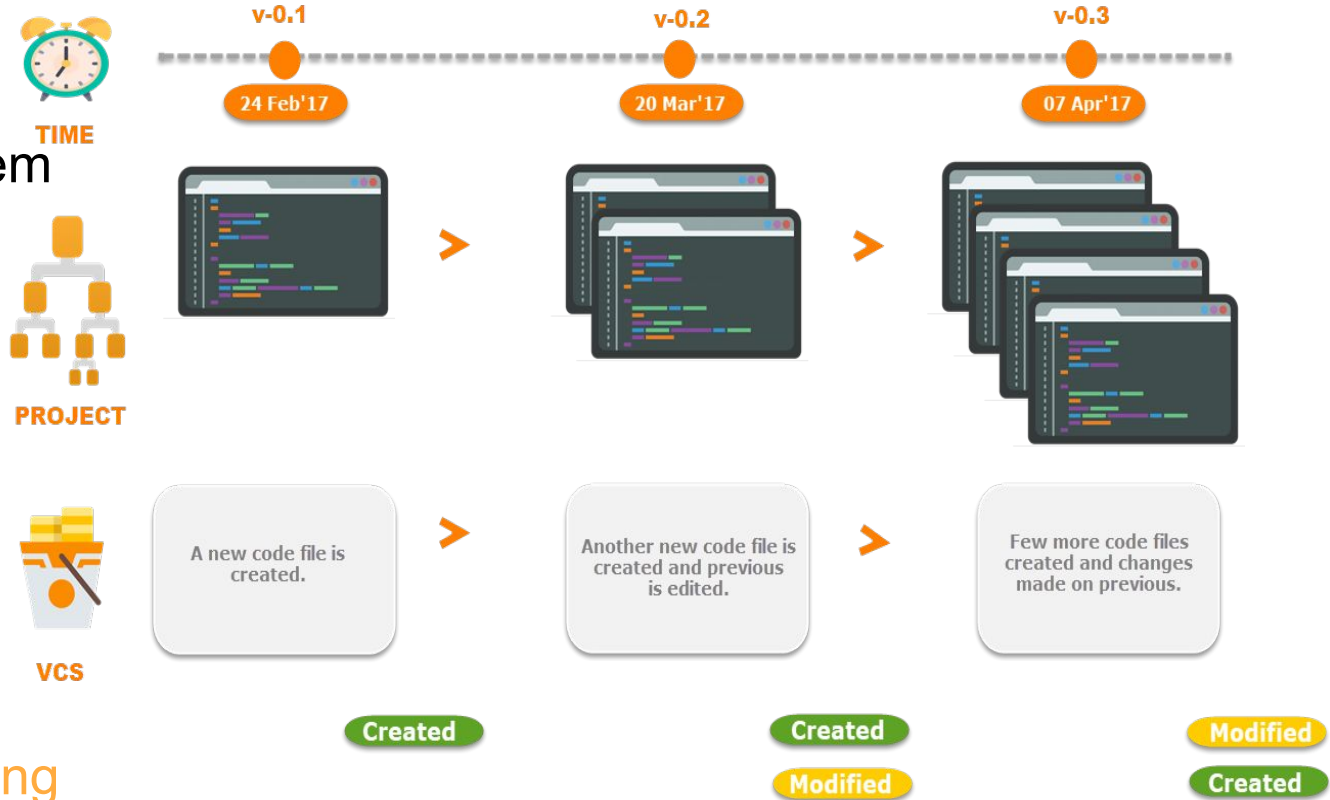
Version control System  
(VCS)

Open source code  
sharing

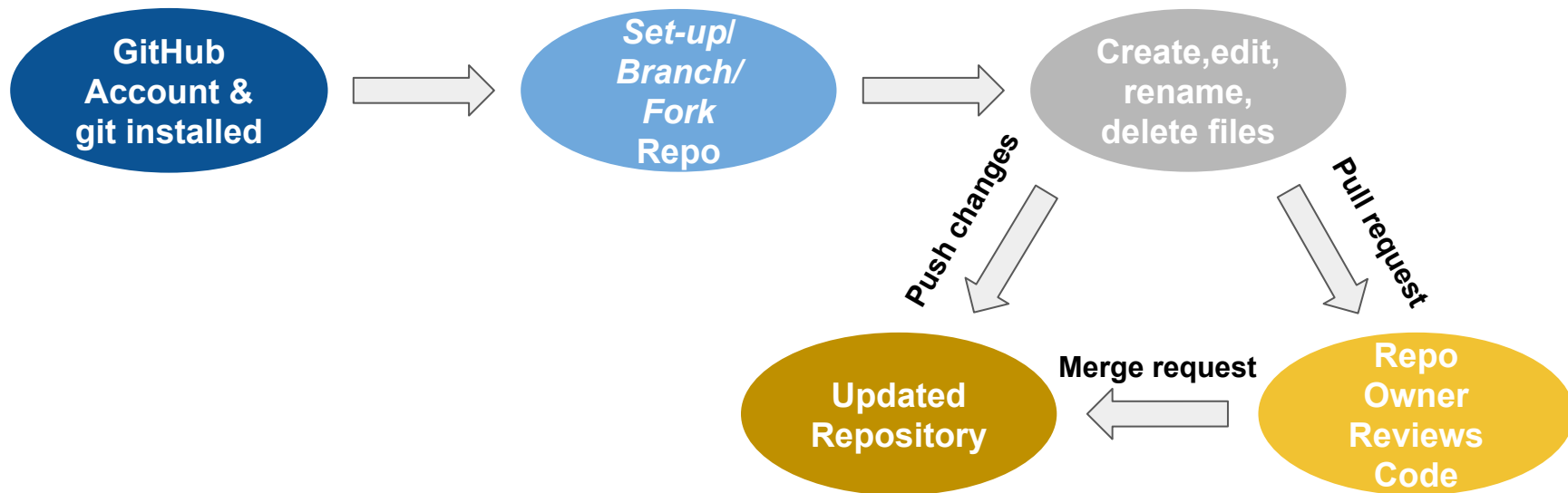
Project organization

git = VCS

GitHub = Code Sharing



# Example Workflow



# Set up Git

**0. You can download Git here:** <https://git-scm.com/downloads>

**1. Verify that Git is ready**

- a. Open terminal, Mac [command+space, type “terminal”,enter],  
Windows [search cmd, enter]
- b. Type `git --version` in terminal

**2. Set up your git account**

```
git config --global user.name "Your Name"
```

```
git config --global user.email "your@email.com"
```

# Connect it to github

0. Go to github.
1. Log in to your account.
2. Click the 'new repository' button in the top-right. You'll have an option there to initialize the repository with a README file
3. Click the "Create repository" button.
4. Click "Clone or download" & copy link
5. In terminal, Cd to local folder where you want repo stored.
6. In terminal, type `git clone "link"`
7. Check out the newly created folder

# Add, commit, push

0. Add some code or text file to that newly created folder
  - a. `echo My first contribution > myfirstcommit.txt`
1. Create `.gitignore` if you have sensitive info (passwords, subject identification)
2. Type `git add "file name"` or `git add -A`
3. Type `git commit -m "first commit"`
4. Type `git push`
5. Your github password might not be there -- it will prompt you to enter github credential
  - a. To change password:
    - i. `git config --global --unset user.password`
    - ii. `git push`

# Pull changes

Others in your team will also commit and push changes

Before working on your code, make sure to `git pull` to get recent changes