

## Developer Tools



Collaborate on Remote Repository



# Github

- Github is an online service that hosts our projects.
- We can share our project code with other developers.
- Developers can download & give their contribution on shared or open source projects.
- Developers can re-upload their edits & merge them with the main codebase.



# Getting Started

- Simply sign up & sign in on github.com

The screenshot shows a web browser at the URL <https://github.com/LintangWisesa>. The page displays the profile of a user named Lintang Wisesa. The profile includes a cartoon avatar of a man with glasses and a laptop, the name "Lintang Wisesa", the handle "LintangWisesa", and the bio "Not a nerd, just a geek :)". Location is listed as "Jakarta, Indonesia", email as "lintangwisesa@gmail.com", and a YouTube link as "https://www.youtube.com/user...". The profile statistics show 8 repositories, 0 stars, 2 followers, and 0 following. The "Popular repositories" section lists six repositories: "BasicNote\_JavaScript", "BasicNote\_Python", "BasicNote\_PHP", "BasicNote\_HTML", "Purwadhika-JC04-01\_JScfundamental", and "DeployPage". Each repository has a brief description and a language tag (JavaScript, Python, PHP, or HTML). At the bottom, it shows "53 contributions in the last year" and a link to "Contribution settings".

GitHub, Inc. [US] | <https://github.com/LintangWisesa>

Search GitHub Pull requests Issues Marketplace Explore

Overview Repositories 8 Stars 0 Followers 2 Following 0

Popular repositories Customize your pinned repositories

**BasicNote\_JavaScript**  
Plain text note about fundamental JavaScript programming.  
JavaScript

**BasicNote\_Python**  
Plain text note about fundamental Python programming.  
Python

**BasicNote\_PHP**  
Plain text note about fundamental PHP programming.  
PHP

**BasicNote\_HTML**  
Plain text note about fundamental HTML programming.  
HTML

**Purwadhika-JC04-01\_JScfundamental**  
Materi Job Connector Purwadhika Batch 04 2018  
JavaScript

**DeployPage**  
Deploy a simple HTML web page  
HTML

Lintang Wisesa  
LintangWisesa  
Not a nerd, just a geek :)  
Jakarta, Indonesia  
lintangwisesa@gmail.com  
<https://www.youtube.com/user...>

53 contributions in the last year Contribution settings

# Create Repo #1

## *Have a prepared local repo*

- On Github, click **New Repo** & fulfill its option. Don't forget to copy its **online repo url**!
- On local repo, make sure you work on master and check all files are safe (no file on staging).  

```
$ git checkout master  
$ git status
```
- Set an alias to our **online repo url** (optional):  

```
$ git remote add origin <repo_url>
```
- **Push** our local master branch to Github:  

```
$ git push <repo_url> master  
$ git push origin master
```
- Done! Check your repo on Github!

# Create Repo #2

## *Don't have any local repo*

- On Github, click **New Repo** & fulfill its option. Don't forget to copy its **online repo url**!
- On terminal, go to your project directory then **clone** or download the repo & happy coding!  

```
$ git cd <project_dir>  
$ git clone <repo_url>
```
- After edit the files, commit to local repo first:  

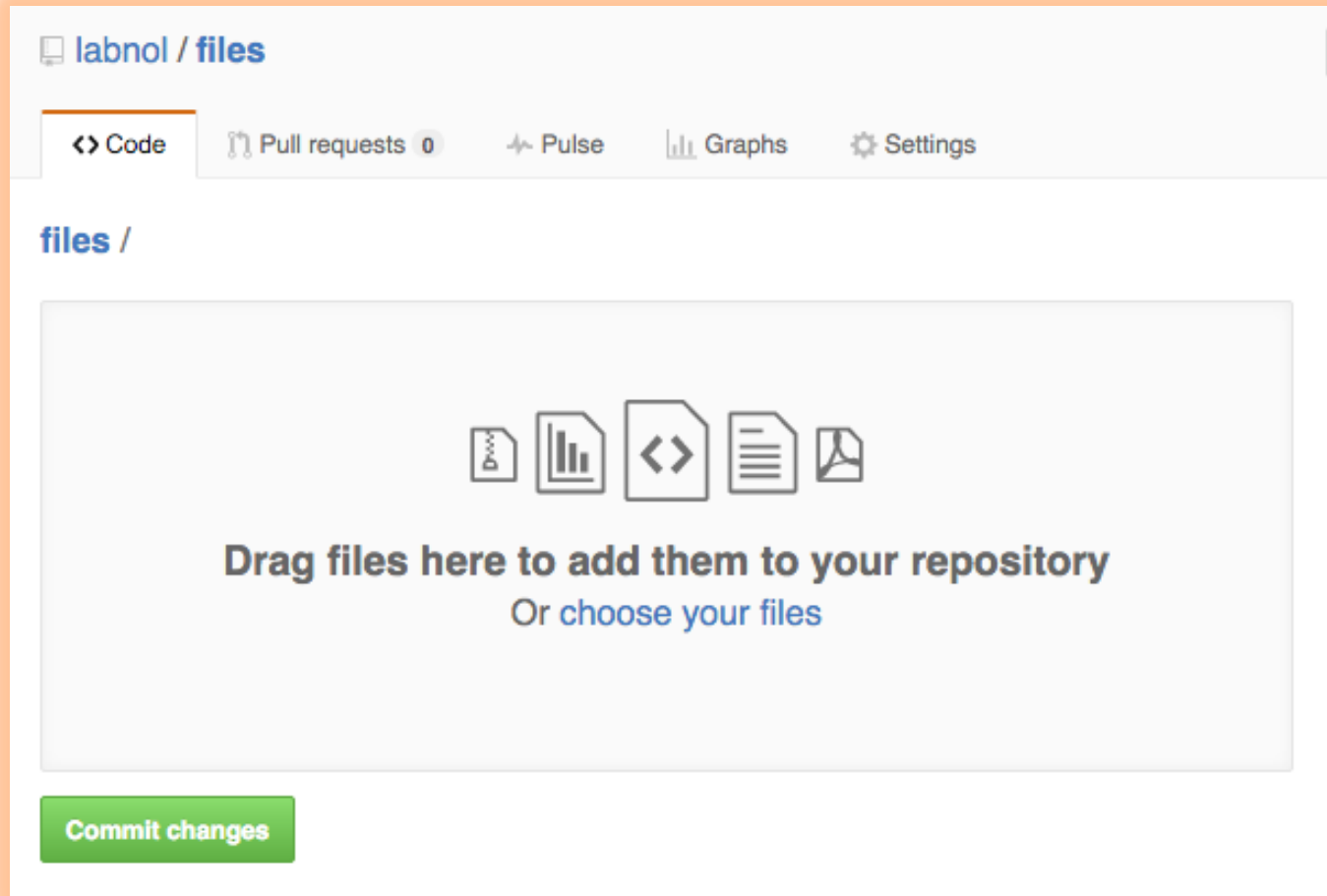
```
$ git add .  
$ git commit -m "added something"
```
- **Push** master branch to Github:  

```
$ git push origin master
```
- Done! Check your repo on Github!

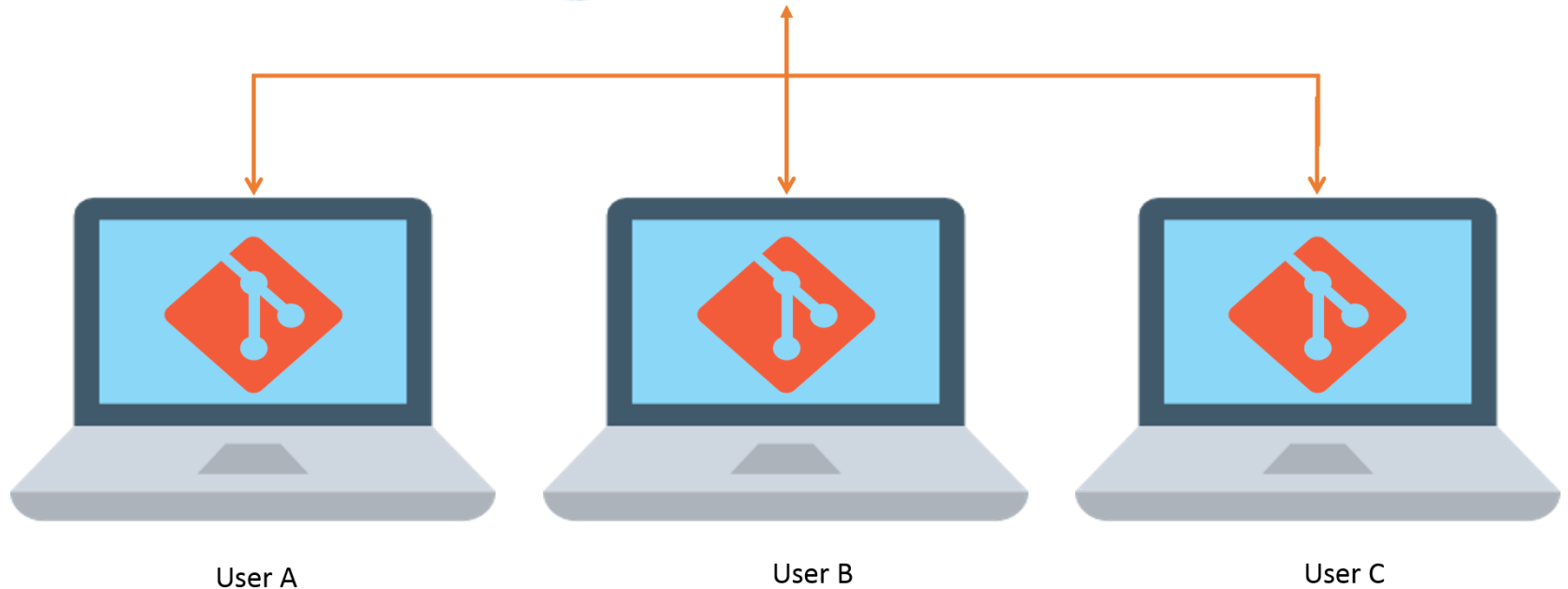
# Create Repo #3

## *As simple as playing Instagram*

- Just upload your directory to github, dude!



# Collaboration <PULL>

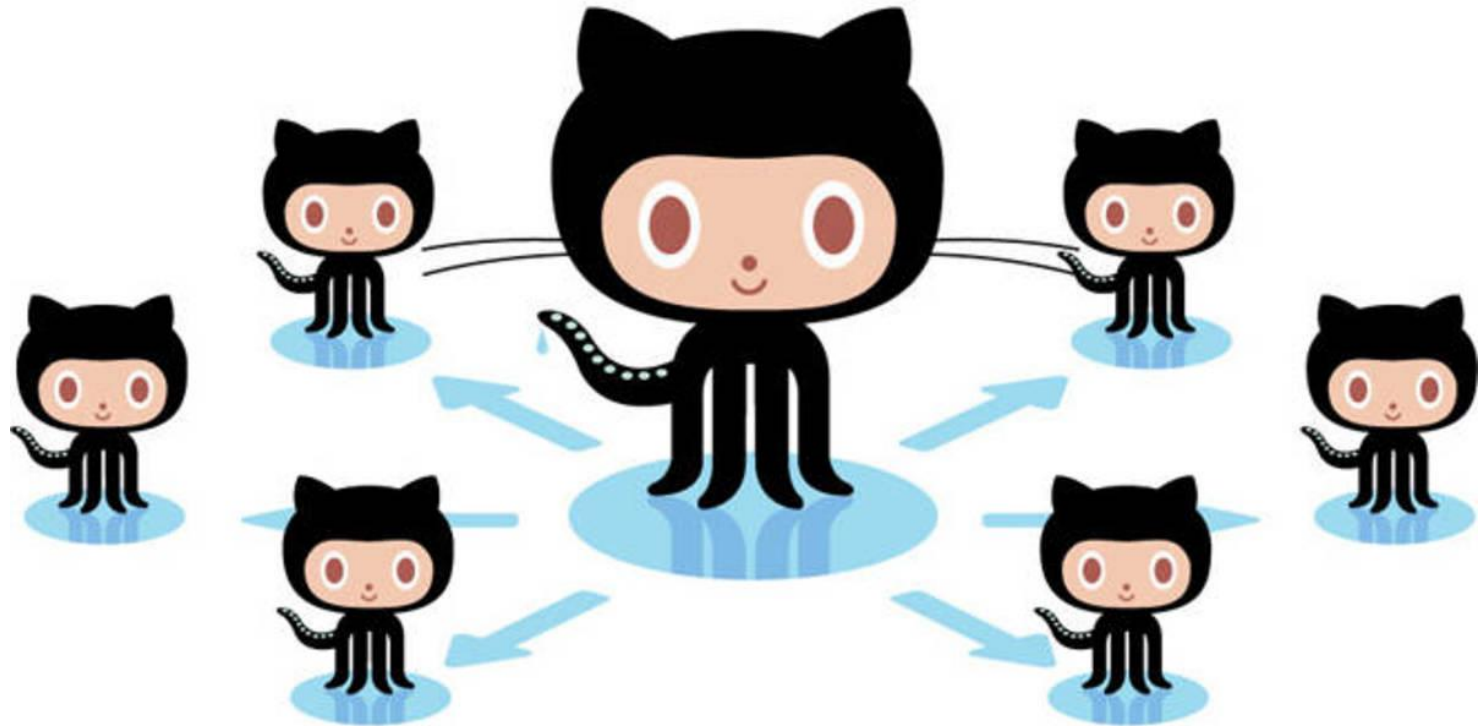


# Collaboration <PULL>

- Give access other users via Setting menu.  
Update local repo with exist online repo by **Pull**:  
`$ git pull origin master`
- Try to make a branch & commit it locally:  
`$ git checkout -b branchBaru`  
`$ git add .`  
`$ git commit -m "added navbar"`
- Push to Github:  
`$ git push origin branchBaru`
- If it's good enough & admin wants it to be merged, admin just click "Compare & Pull Request". If there is no conflict, finish it by click "Merge Pull Request".



# Contribution <FORK>



# Contribution <FORK>

- If there is an open source project that we want to give our contribution there, but we don't have any access to it, we can **Fork** that repo!
- Fork means we make that repo as our own repo, then we can clone, edit & push to 'ours'. If we want to contribute to the original repo, just ask the owner by click "New Pull Request" & wait for the owner's approval/denial.

# GitHub Pages

■ aaa

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