

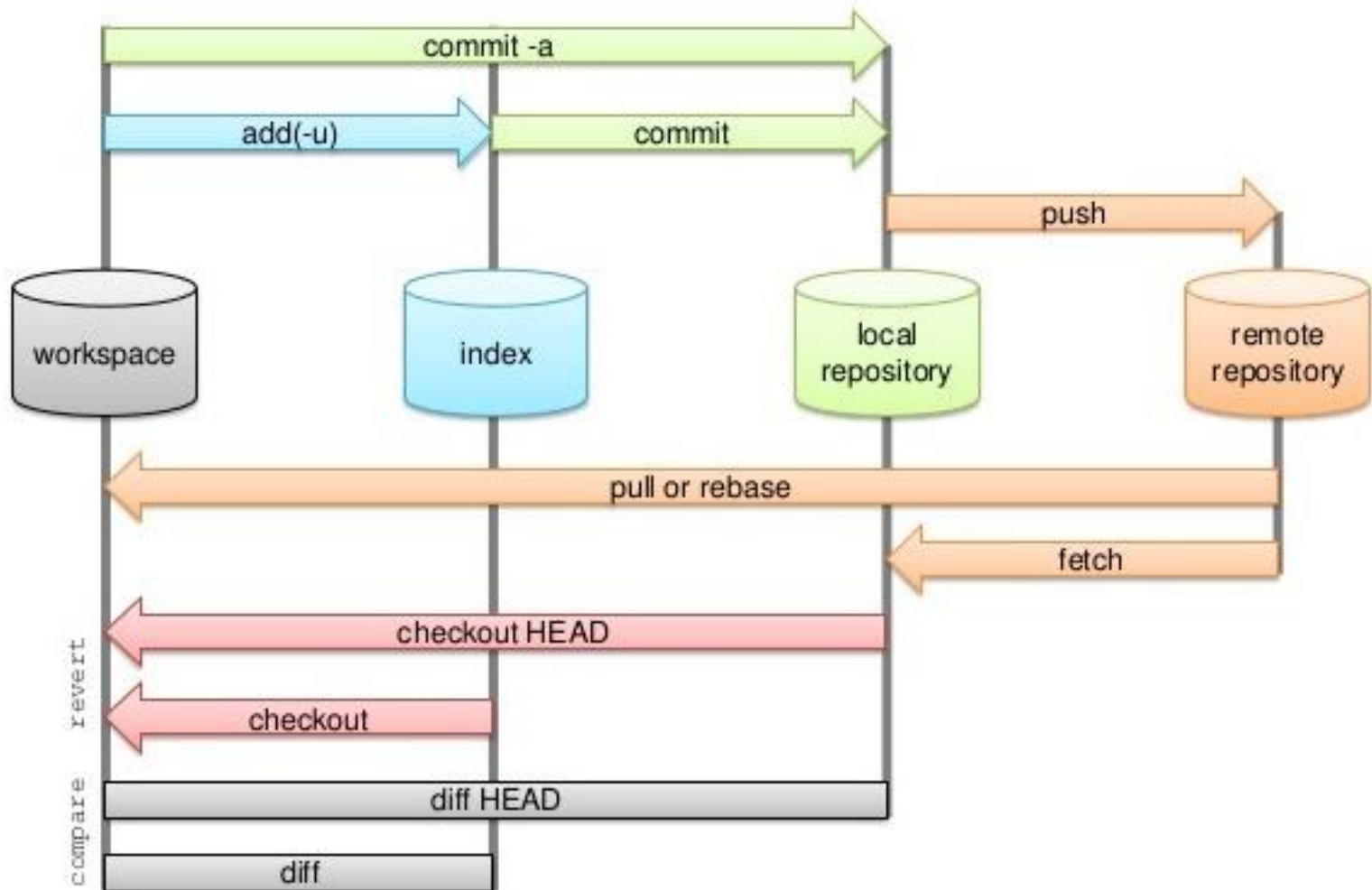
Github 101

How to use github for TPT1201
assignment

What is github?

- A home for git repositories
- Interface for exploring git repositories
- Real open source
 - immediate, easy access to the code
- It is the social network for programmers
 - Other alternative is Bitbucket.org
 - free private repositories

Git and Github



Typical workflow

Person A

- Setup project & repo
- push code onto github
- edit/commit
- edit/commit
- pull/push



Person B

- clone code from github
- edit/commit/push
- edit...
- edit... commit
- pull/push

It's also possible to create your project first on github, then clone (i.e., no git init)

How to setup git and github on Windows?

- First of all – create a Github account at www.github.com

The screenshot shows the GitHub homepage. At the top is a navigation bar with the GitHub logo, a search bar labeled "Search GitHub", and links for "Pull requests", "Issues", and "Gist". On the right of the navigation bar are icons for notifications, a plus sign, and a user profile. Below the navigation bar is the "GitHub Bootcamp" section, which contains four numbered steps: 1. Set up Git (A quick guide to help you get started with Git), 2. Create repositories (Repositories are where you'll work and collaborate on projects), 3. Fork repositories (Forking creates a new, unique project from an existing one), and 4. Work together (Send pull requests, follow friends. Star and watch projects). Below the bootcamp section is a user profile for "kuanhoong". Under the profile are two recent activity items: "LenoxLow forked kuanhoong/TPT1201 to LenoxLow/TPT1201 7 hours ago" and "ChongRae-Tan forked kuanhoong/TPT1201 to ChongRae-Tan/TPT1201 7 hours ago". On the right side of the page is a promotional box for "Improving map data on GitHub" with a brief description and a link to "View 129 new broadcasts".

GitHub Bootcamp

- 1 Set up Git**
A quick guide to help you get started with Git.
- 2 Create repositories**
Repositories are where you'll work and collaborate on projects.
- 3 Fork repositories**
Forking creates a new, unique project from an existing one.
- 4 Work together**
Send pull requests, follow friends. Star and watch projects.

kuanhoong

LenoxLow forked kuanhoong/TPT1201 to LenoxLow/TPT1201 7 hours ago

ChongRae-Tan forked kuanhoong/TPT1201 to ChongRae-Tan/TPT1201 7 hours ago

Improving map data on GitHub
In addition to being able to collaborate on the GeoJSON files you upload to GitHub, you can now contribute to the underlying, shared basemaps, that provides your data with context.

View 129 new broadcasts

How to setup git and github on Windows?

- There is a great github guide on how to setup git on your windows
<https://help.github.com/articles/set-up-git/>
- Download and install the latest version of [GitHub for Windows](#). This will automatically install Git *and* keep it up-to-date for you.
- On your computer, open the **Git Shell** application.

How to setup git and github on Windows?

- Tell Git your *name* so your commits will be properly labeled. Type everything after the \$ here:

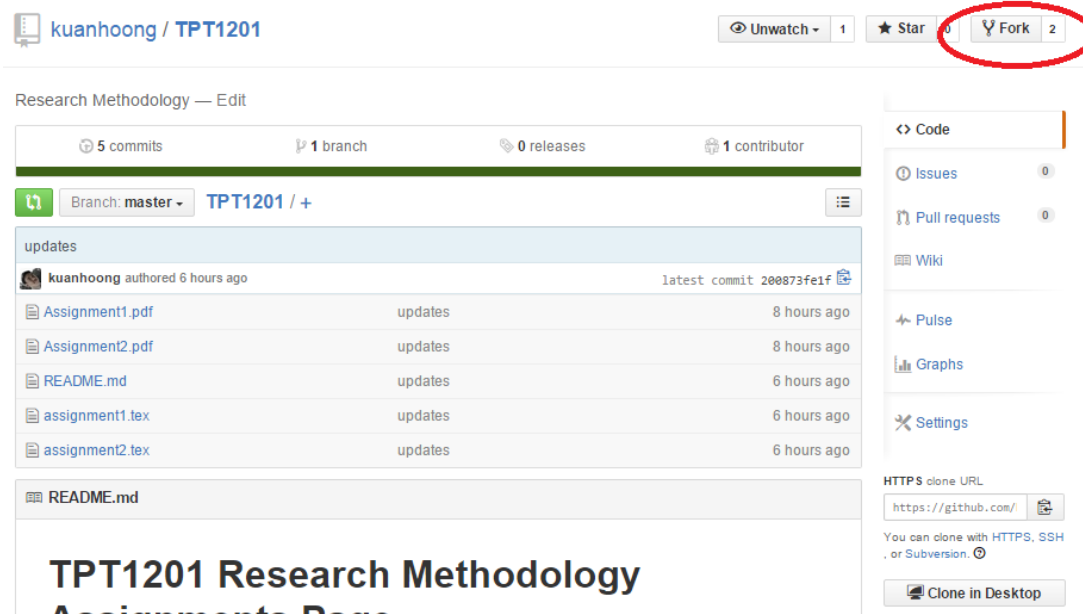
```
$ git config --global user.name "YOUR NAME"
```

- Tell Git the *email address* that will be associated with your Git commits. The email you specify should be the same one found in your [email settings](#). To keep your email address hidden, see "[Keeping your email address private](#)".

```
$ git config --global user.email "YOUR EMAIL ADDRESS"
```

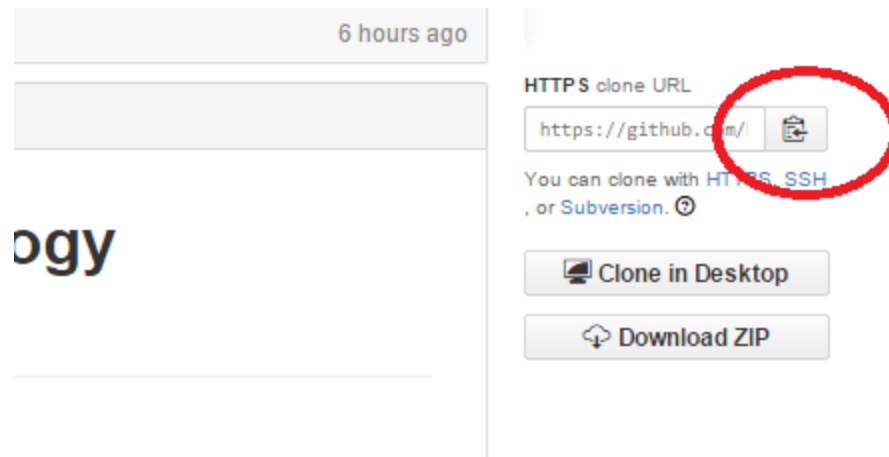
TPT1201 Assignment Page

- Go to www.github.com/kuanhoong/TPT1201
- Fork the GitHub repository containing the stub tex files create a copy under your own account.



Git clone to your PC

- Once you have forked the repo, git clone it to your desktop PC
- Get the clone URL by pressing the button next to HTTPS Clone URL



Commands

