

Speaking of Git VCS

Basic Information

- Lecturer: Mr. Junru Zhong
- Biography:
- Length: 1 hour
- Date & Time: 12:00-13:00, Dec 15, 2017
- Language: Chinese
- Pre-requirement: Install Git software first, bring your laptop. (Installing instruction will be provided later)
- Last modification: Dec 3, 2017

Outline

- History, purpose of version control system
- History of Git
- Concept clarify: Git & GitHub
 - Git: A version control system
 - GitHub: A company / website provides Git repository hosting
- **Git Workflow**
 - Distributed repository model vs. *centralized model*
 - **Main steps**
 - Initialize a Git repository: `git init`
 - *Remember to add a .gitignore file.*
 - Modify some file
 - Stage changes `git add .`
 - See difference `git diff`
 - Commit changes `git commit`
 - Write commit message
 - *Principles of commits*
 - Push changes to remote `git push`
 - Set up remote repository
 - Tell me about you
 - Collaborating with people
 - Using GitHub
 - Forks, issues, pull requests

- Handling conflicts
- More than main steps
 - Tracking status `git status`
 - Find out what's new `git pull`