



# Git and Github

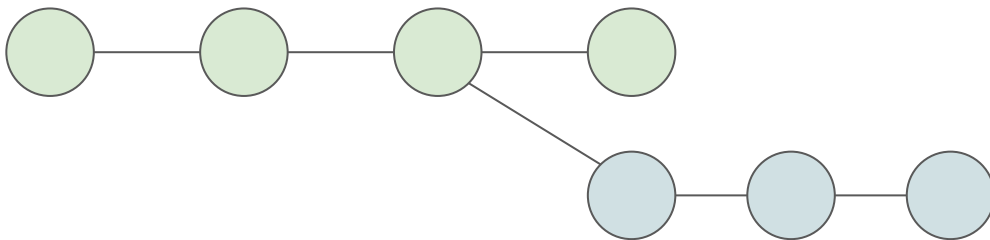
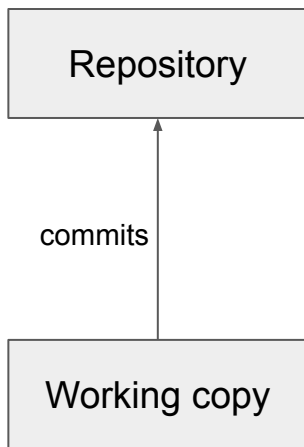
April 20, 2020  
CS194A, Spring 2020

# Source Control

- Records all your code changes
- Single source of truth for all developers
- Key functionality
  - Revert files back to previous state
  - Compare changes over time
  - Easily collaborate on features
  - “Blame” a code change :) for bug triage or learning

# Git: a distributed version control system

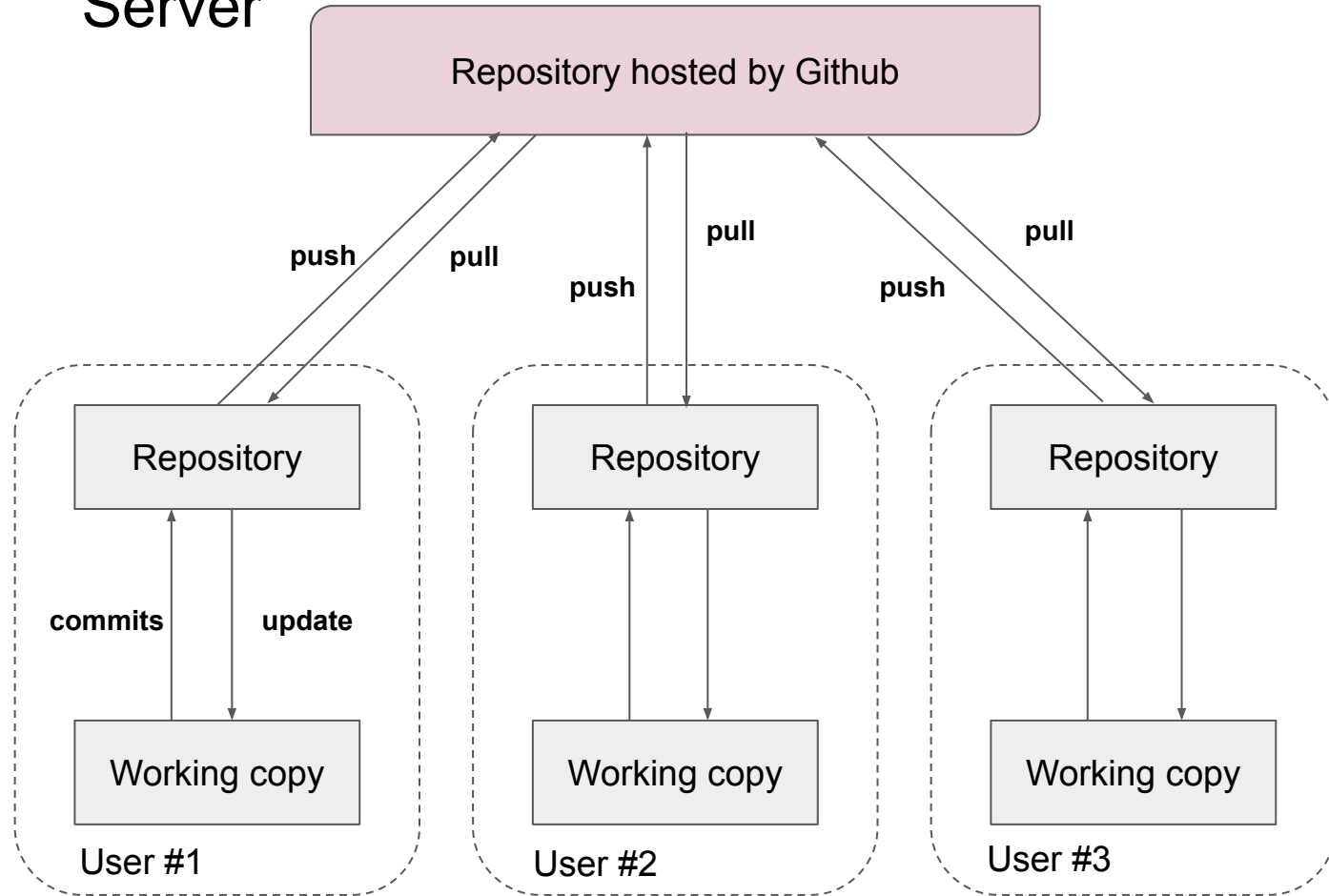
- One of many version control systems
  - Git (git)
  - Mercurial (hg)
  - Subversion (svn)
- Understand the fundamentals of git: <https://git-scm.com/book/en/v2>

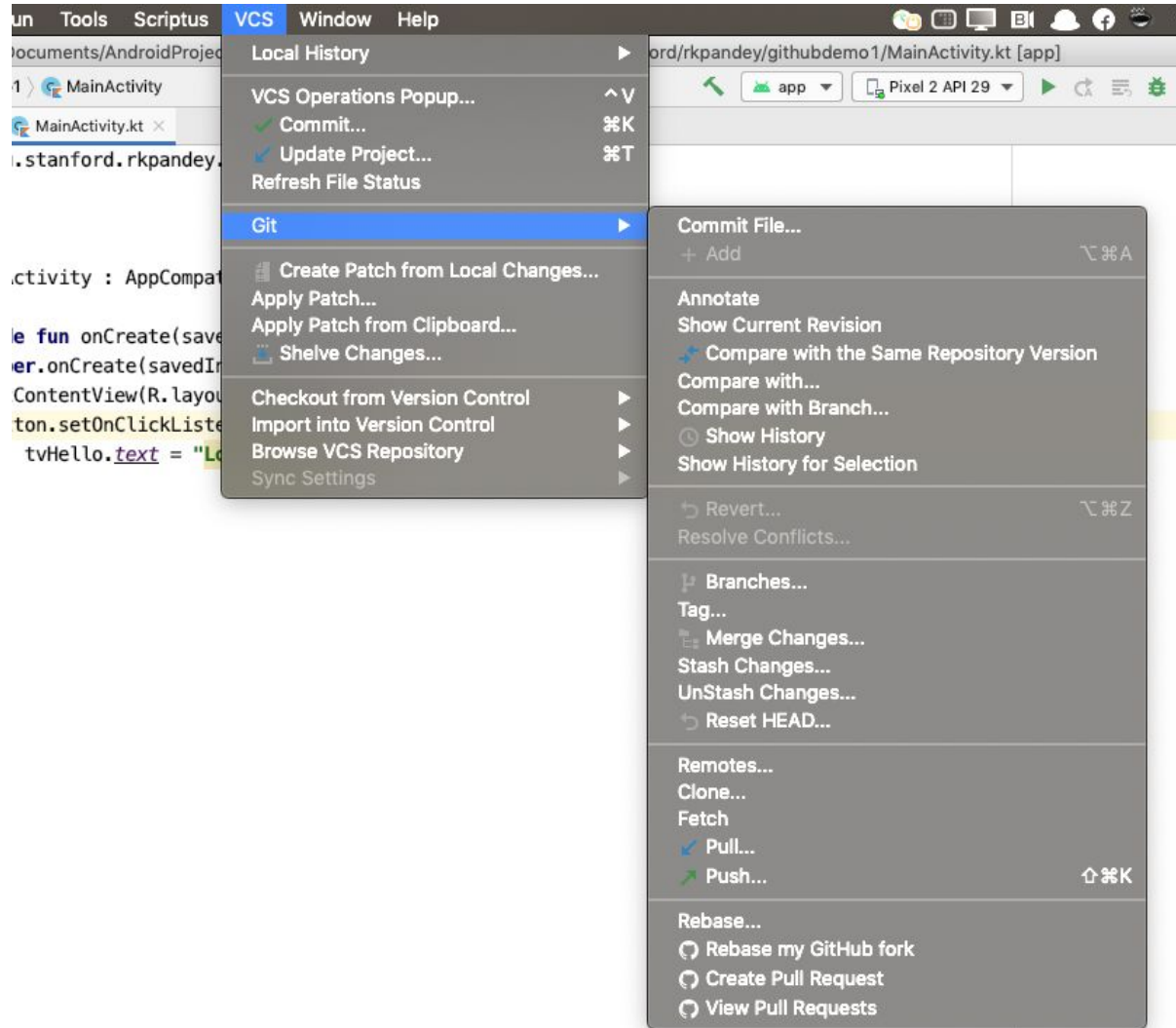


# Github

- A website/community that provides hosting for Git repositories
- Allows you to easily view files in the browser and comment on changes
- Register for an account at [github.com](https://github.com)

# Server





# Public vs private repos

- Prefer public repositories:
  - Better for building a portfolio
  - Easier for sharing
- Be careful with what you put in Github
  - Secret API keys or access tokens
  - Use .gitignore file