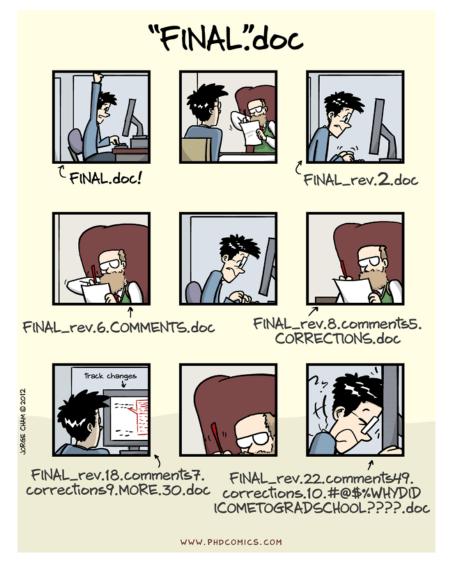
# CS122B: Projects in Databases and Web Applications Spring 2018

Notes 3: Git Professor Chen Li UC Irvine

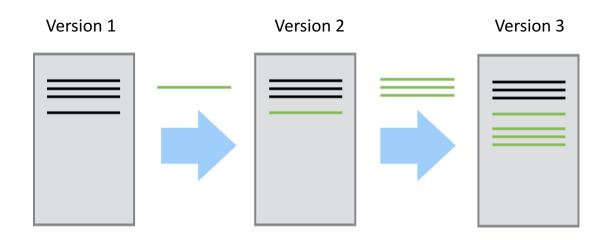
#### Version control



Jorge Cham, PHD Comics, http://www.phdcomics.com/comics/archive. php?comicid=1531

#### Version control

We can use Git to save each version and go back and forth between versions.



Document.txt

# History of version control

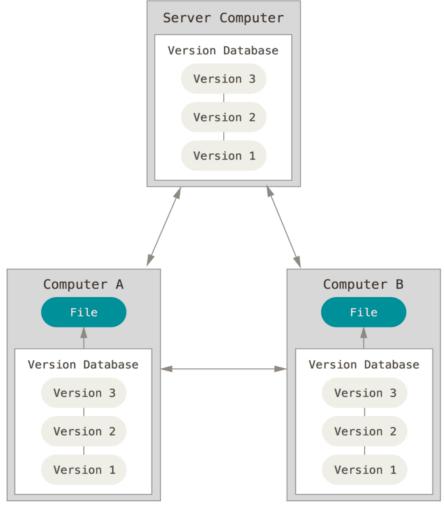
- CVS
- Subversion
- Git

• ...

#### Version control in Git

- Team members change code on their local machines and push the changes to the Github server.
- •Other team members can pull the changes from the server and continue to work.
- •Therefore, the entire version history of all the files are replicated among all the team members.

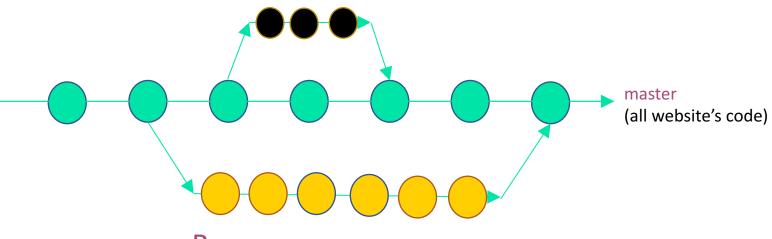
## Version control in Git



## Branches in Git

#### Top deals branch

(for showing the top deals today)



#### Recommendations branch

(for building recommendation feature)

## Branches in Git

- Branches: used to separately develop a feature piece-wise and later merge the complete code into the master branch.
- The circles below represent commits
   (think of a commit as a snapshot of the files in the repository.)