INFORMATION ORGANIZATION LAB

LAST TIME ON IO LAB

Web Inspector / Console

JavaScript

jQuery

JQUERY TIPS

CHAINING

Less code. Prettier. Runs faster.

```javascript
// No chaining
$("#menu").fadeIn('fast');
$("#menu").addClass('active');
$("#menu").css('margin', '10px');

// vs. with chaining
$("#menu").fadeIn('fast')
    .addClass('active')
    .css('margin', '10px');
```

Adapted from: http://tobiasahlin.com/blog/quick-guide-chaining-in-jquery/

EVENTS

```
$(element).on('eventType', function(){
// some JavaScript
});
```

General Events	ready, load, scroll
Mouse Events	click, hover, mouseenter, mouseleave
Keyboard Events	keypress, keydown, keyup
Form Events	submit, focus, blur

More: http://stackoverflow.com/questions/8927966/jquery-function-works-with-live-not-with-on

WHEN DOES MY CODE RUN?

```javascript
$(window).on('load', function(){
  // your JavaScript
});
```

VS.

```javascript
$(document).on('ready', function(){
  // your JavaScript
});
```

WHEN DOES MY CODE RUN?

```javascript
$(window).on('load', function(){
  // your JavaScript
});
```

- Code runs after EVERYTHING is loaded...

- HTML, scripts, images, etc.

- Only one per page

WHEN DOES MY CODE RUN?

```javascript
$(document).on('ready', function(){
  // your JavaScript
});

$(function(){ //shorthand
  // your JavaScript
});
```

- Code runs after DOM is loaded by the browser

- Tends to be quicker

- Useful for most cases

TOOLS

JSFIDDLE (jsfiddle.net)

- Test out code quickly

- Example: Lab 1 todo list http://jsfiddle.net/bYUY9/

JSHINT (jshint.com)

- Check your JavaScript for bugs.

FRIENDLY REMINDERS

GROUP CRITIQUES

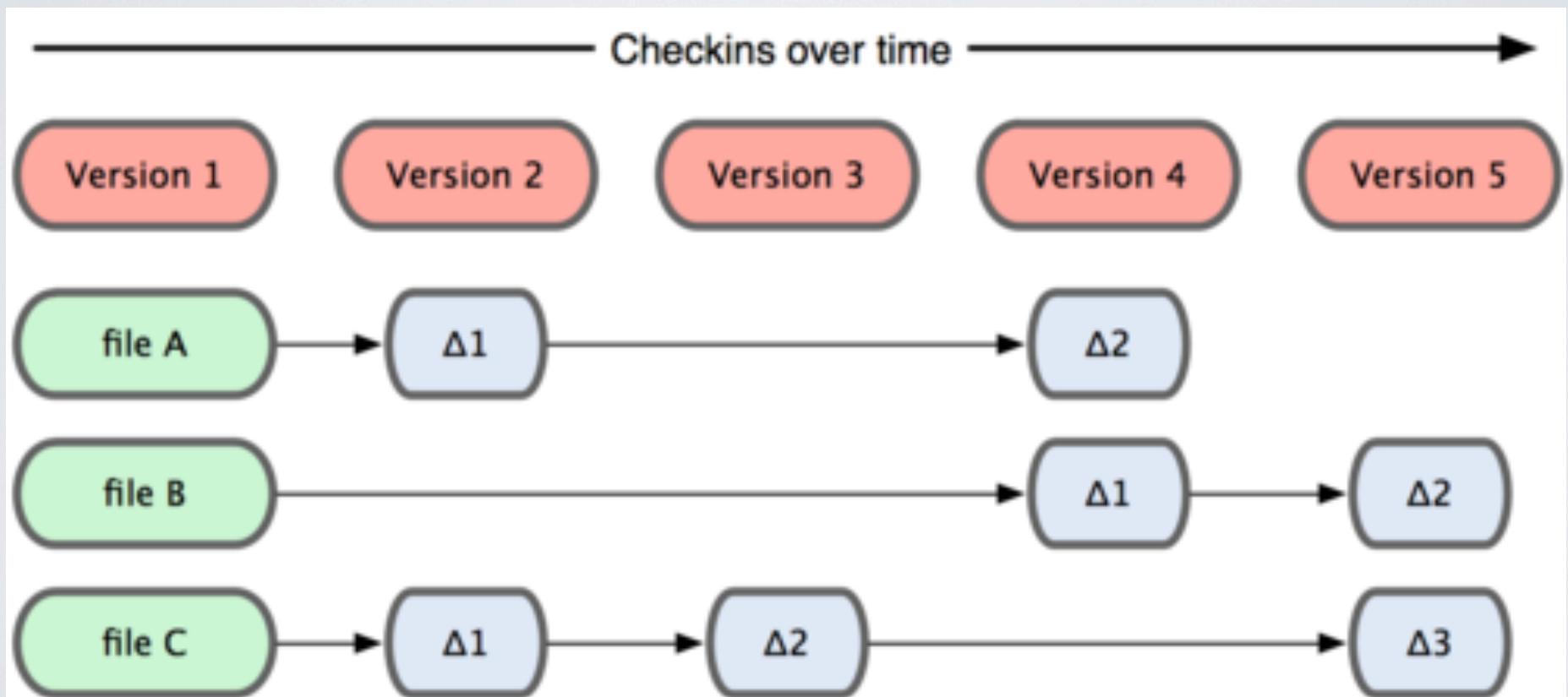# VERSION CONTROL

WHY DO WE NEED IT?

- Save our work

- Undo

- Collaborate

- Safe Experimentation

- Documentation

GIT

WHY NOT SVN?
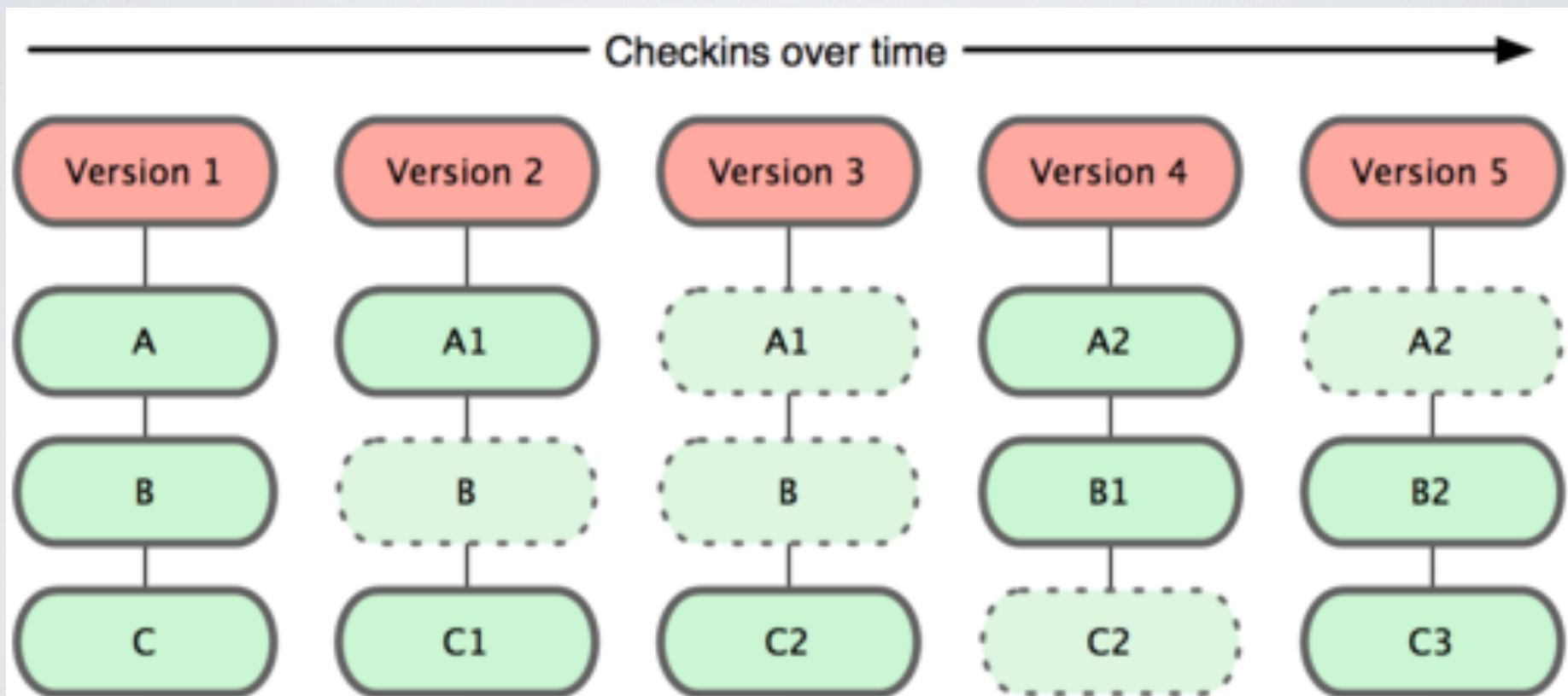
DISTRIBUTED VERSION CONTROL SYSTEMS

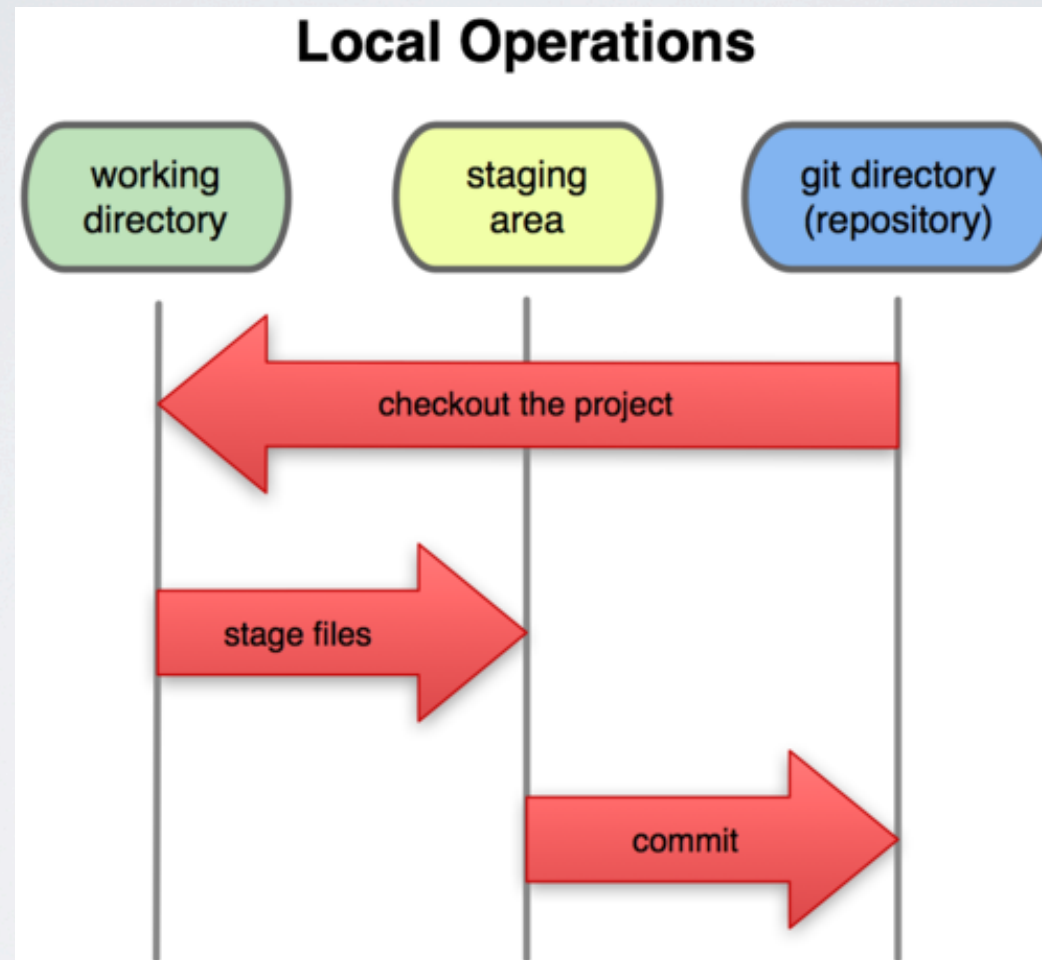- Fundamentally different from version control systems like SVN.

http://git-scm.com/figures/18333fig0104-tn.png

DISTRIBUTED VERSION CONTROL SYSTEMS

- Snapshots of the file system

http://git-scm.com/figures/18333fig0105-tn.png

GIT

http://git-scm.com/figures/18333fig0106-tn.png

WALKTHROUGH

try.github.com

COMMANDS IN REVIEW

- git add

- git commit -m

- git commit -a

- git rm

- git reset

- git reset --hard

- git checkout

- git diff

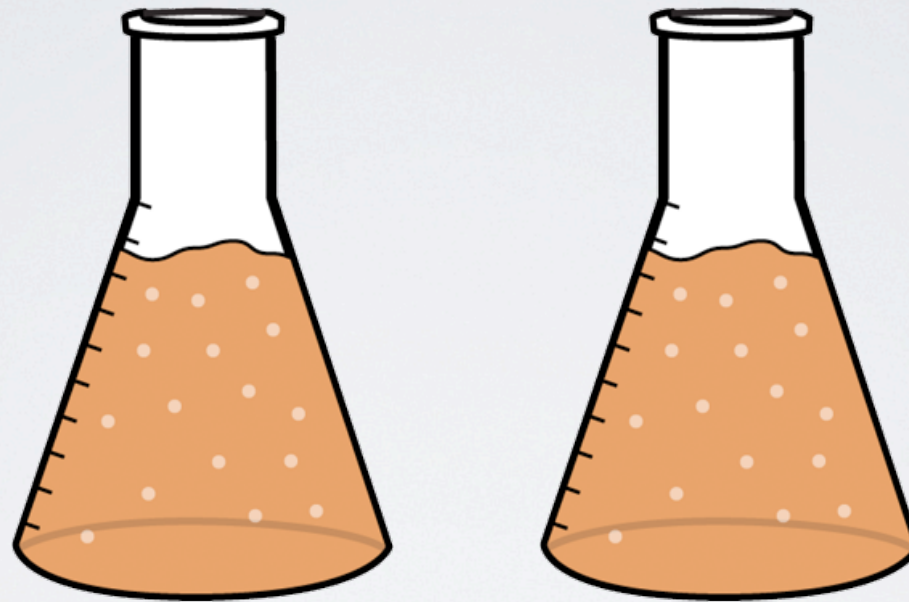- git log

- git status

- git pull

- git push

MORE UNCOMMON ACTIONS

- Merging vs Rebasing

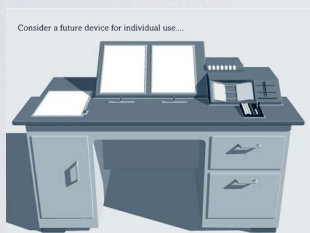- git bisect #binary search

- git stash

- git stash pop

MORE GIT RESOURCES

- http://learn.github.com/p/intro.html

- http://gitimmersion.com

- http://git-scm.com/book

LAB LAB

FOR NEXT WEEK

Consider a future device for individual use....

For Monday: Vannevar Bush - "As We May Think"

Project I assigned on Monday.

You can find links to help with all of these on the course website at
http://courses.ischool.berkeley.edu/290ta-iol/f12