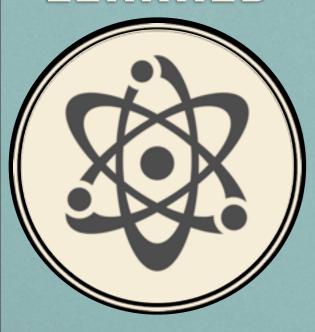
# WHAT YOU LEARNED

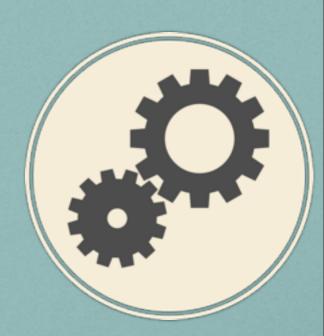
DOCUMENTATION & DSUEDO CODE

REFACTORING W/LINKED LISTS









# REPORT IN REPORT IN

#### As a class:

How did Thur/Fri. go?

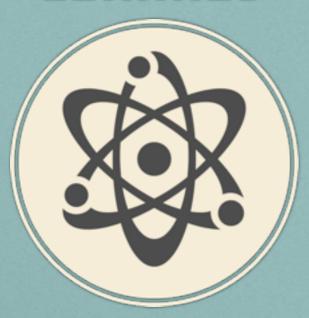
#### Individually:

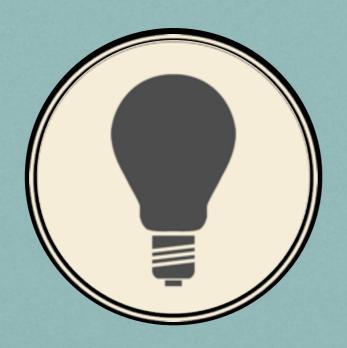
What did you learn from doing cal?

# WHAT YOU LEARNED

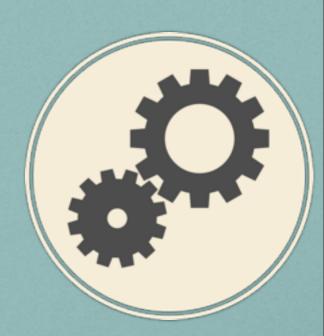
DOCUMENTATION & DSUEDO CODE

REFACTORING W/LINKED LISTS









## PSUEDO CODE

#### Example (from Whiteboard)

Berson Thanks Flatten Time the iron person lugnuts 2 Put car in park get aut tire iron \$ spare Car. tire (front left). Flatters walk over pason. pull over (car) Derson retreive (car, "tire i/on") 5 jack up car for every lugaret & & Remove 6 lugnets remove lugnut Store lugnut 3. Profit

## DOCUMENTATION

#### Example (from Whiteboard)

README 6 File Structure & naming conventions 5 Dependencies (libraries & ruby version(s)) 3. Limitations (e.g. only norks for 1800-3000) I Goal / Intentions of this code 4 How to use it (e.g. cal. 16 02 2002) 7 Contribution Guidelines 6 Author information & Attribution 8 Bugs/ToDo

Code Comments

Dosairces (e.g. mkipedia link, algorithm name)

Explain difficult code

## DOCUMENTATION

#### Exercise:

Write comments and a README for your cal project.

#### Resources:

- Notes from board (previous slide)
- http://stackoverflow.com/questions/2304863/how-

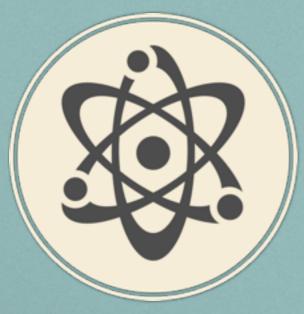
#### to-write-a-good-readme

- https://github.com/avdi/alter-ego
- https://github.com/avdi/alter-ego/blob/master/spec/alter\_ego\_spec.rb

# WHAT YOU LEARNED

DOCUMENTATION & PSUEDO CODE

REFACTORING W/LINKED LISTS





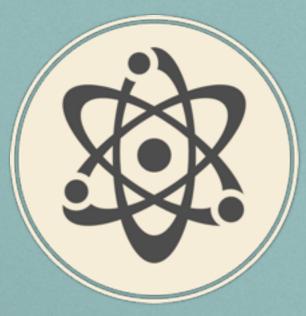




# WHAT YOU LEARNED

DOCUMENTATION & DSUEDO CODE

REFACTORING W/LINKED LISTS









# WHAT IS IT?

WHY DO IT?

WHAT TO CHECK

EXERCISE

#### What is a code review?

- systematic examination (often known as peer review) of computer source code
- intended to find and fix mistakes overlooked in the initial development phase
- done in various forms such as pair programming, informal walkthroughs, and formal inspections

Source: <a href="http://en.wikipedia.org/wiki/">http://en.wikipedia.org/wiki/</a> Code review



WHY DO IT?

WHAT TO CHECK

EXERCISE

# Why do code reviews?

Because it improves both the overall quality of software and the developers' skills!

Source: <a href="http://en.wikipedia.org/wiki/">http://en.wikipedia.org/wiki/</a> Code review



WHY DO IT?

WHAT TO CHECK

EXERCISE

#### What to check?

(Whiteboard discussion time!)

See also:

ruby style guidelines (<a href="https://github.com/bbatsov/ruby-style-guide/blob/master/README.md">https://github.com/bbatsov/ruby-style-guide/blob/master/README.md</a>)

And:

http://en.wikipedia.org/wiki/Code smell



WHY DO IT?

WHAT TO CHECK

**EXERCISE** 

# Today:

- Walk two peers through your code, reviewing it for the code smells we discussed
- Be nice! This isn't for criticism, it is for improvement!
- Each reviewer should produce
  a list of changes

#### Tomorrow:

 Refactor your code for cal based on your code reviews