~ WebStorm





To open "WebStorm" you need to install the legacy Java SE 6 runtime.

Click "More Info..." to visit the legacy Java SE 6 download website.

More Info...

OK

C Webstern Vin



But I MEED an IDE

Moyou don't



Why vim?

- → highly customizable
- → runs everywhere
- → works with many programming languages
- → scriptable

Install vim

(it's probably already there)

brew install macvim --override-system-vim

reatures

20:07 23 Feb rugen

🚺 pasta < dotfiles 2 talk 3 dojo 🗗 Crazy Beautiful Life - Ke\$ha

Modal editing

Change the meaning of the keys in each mode of operation

- → Normal mode navigate the structure of the file
- → Insert mode editing the file
- → Visual mode highlight portions of the file to manipulate at once
- → Ex mode command mode

Mormal mode

DON'TUSE ARROW KEYS

DON'TUSETHE MOUSE

You're a programmer. Strive to be lazy.

left up down right

- → ^E scroll the window down
- → ^Y scroll the window up
- → ^F scroll down one page
- → ^B scroll up one page
- → H move cursor to the top of the window
- → M move cursor to the middle of the window
- → L move cursor to the bottom of the window
- ⇒ gg go to top of file

The secret sauce

The secret sauce

- * text objects and motions
- → the DOT command
- → macros

Text objects and motions

Think of a file as more than individual characters



text objects

- → w words
- → s sentences
- → p paragraphs
- → t tags'

^{&#}x27;tags available in XML/HTML files

Motions

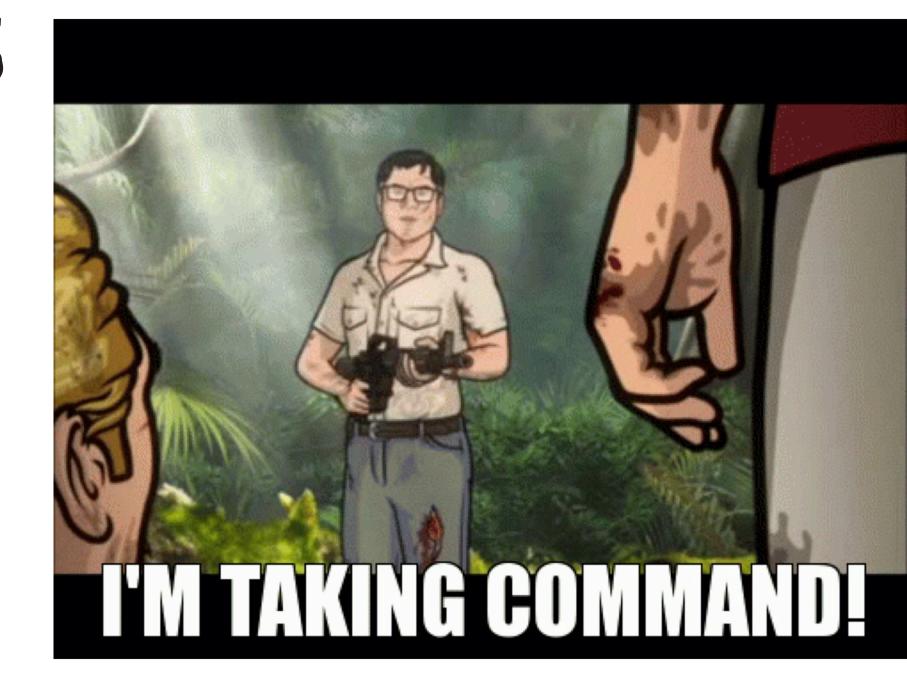
- → a-all
- ⇒ i in
- → t 'til
- → f find forward
- → F find backward



Combine with comands

Commands

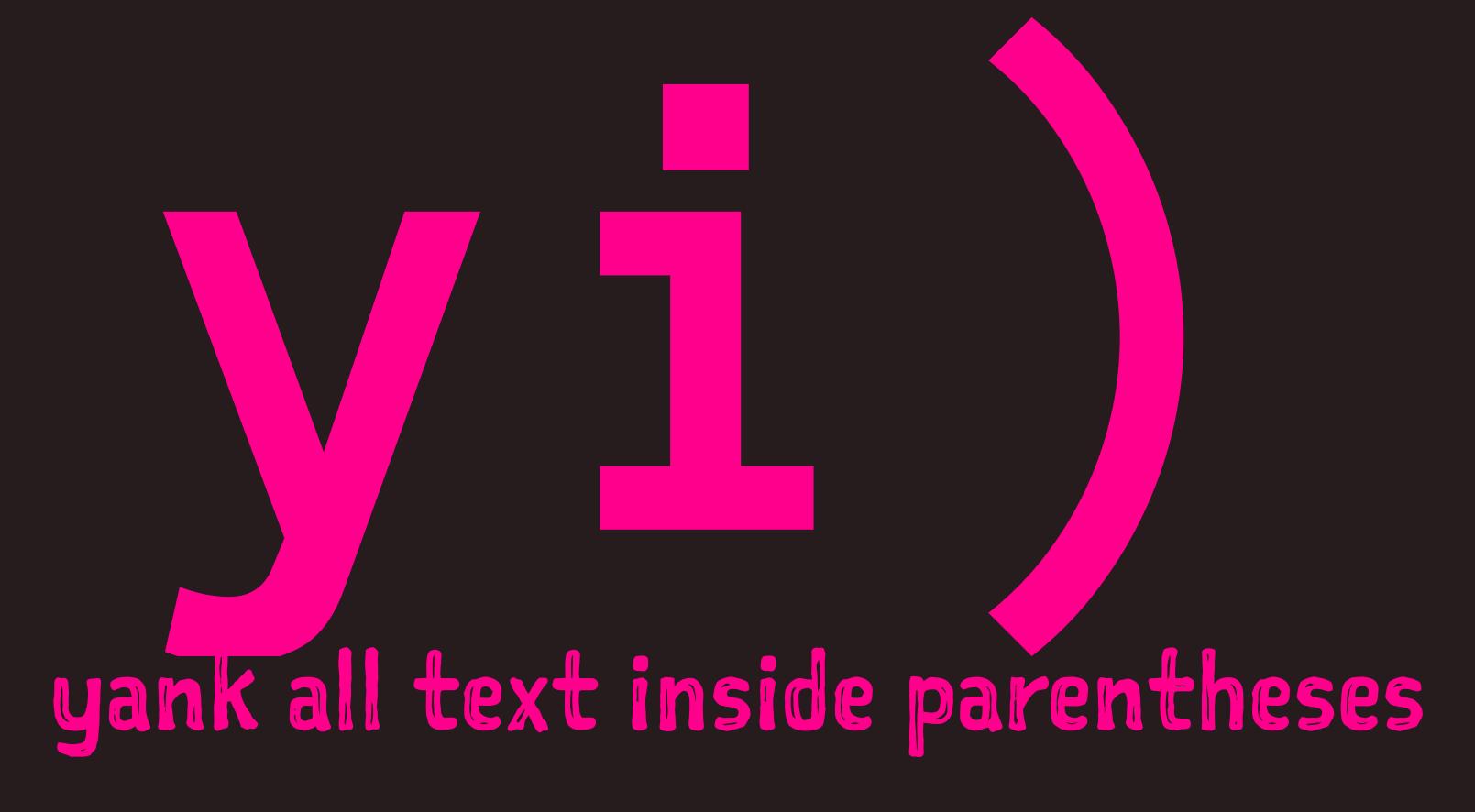
- → d delete (also cut)
- → c change (delete, then place in insert mode)
- → y yank (copy)
- → v visually select



{command}{text object or motion}

delete in word

change all word





visually select all inside doublequotes

Including doublequotes

Repetition The DOT command



that's it

but it's powertul 38

Additional commands

- → dd/yy delete/yank the current line
- → D/C delete/change until end of line
- → ^/\$ move to the beginning/end of line
- → I / A move to the beginning/end of line and insert
- → o/0 insert new line above/below current line and insert

Try and make actions repeatable Practice it

Not everything is repeatable at least with the DOT command





A sequence of commands recorded to a register



Record a macro

- → q{register}
- → (do the things)
- → q

Play a macro

→ @{register}

Plugins

- → <u>vundle</u> plugin manager
- → nerdtree file drawer
- → ctrlp fuzzy file finder
- → fugitive git tool
- ⇒ <u>syntastic</u> syntax checker / linter

But My IDE does more

Vim is externely customizable Plugins tailor vim to your needs

But we can still do more

```
. .
                                                                         Shell
      ▼ [X]unit/¬
                                           for (var i = 0; i < 5; ++i) { movable.update(); }¬
                                12
                                          expect(movable.get('x')).to.equal(val + 5);
         _Movable.js¬
                                11 >
         _Movable.js.map¬
                                          expect(movable.get('y')).to.equal(val);
                                10 >
                                      3);-
         Movable.ts-
         all.js¬
                                       it('should only allow speed to be settable to the MAX_SPEED', () => {¬
         all.js.map¬
         all.ts-
                                          movable.setDirection(Direction.East);¬
         Bot.js¬
                                          movable.set('speed', Movable.MAX_SPEED + 1);¬
                                          movable.update();¬
         Bot.js.map¬
                                          expect(movable.get('speed')).to.equal(Movable.MAX_SPEED); 
         Bot.ts
                                          expect(movable.get('x')).to.equal(val + Movable.MAX_SPEED);
         GameLoop. is-
                                          expect(movable.get('y')).to.equal(val);
         GameLoop.js.map¬
         GameLoop.ts¬
                                       3);-
                               85
         ObjectPool.js-
         ObjectPool.js.map¬
                                      it('should increment the rotation gradually', () => {¬
                                          var rotationSpeed = movable.rotationSpeed,¬
         ObjectPool.ts-
         util.js-
                                              newDirection = Direction.South, ¬
                                              turns = newDirection / rotationSpeed;
         util.js.map¬
         util.ts-
                                          movable.set('direction', Direction.East);
       chai.d.ts-
                                          movable.set('speed', 1);¬
                                          movable.set('direction', newDirection); -
       dojo.d.ts-
       intern.d.ts-
                                          for (var i = 0; i < turns; ++i) {¬
                                              movable.update();
       intern.js¬
                                10
    → util/¬
                                11 >
     Bot.js¬
                                12 ¬
                                          expect(movable.get('direction')).to.equal(movable.rotation);
      Bot.js.map¬
                                13
      Bot.ts-
                                14
                                                                                                            typescript < utf-8[unix] <
                                       typescript src/automaton/tests/unit/_Movable.ts
                                                                                                                                      85%
NERD
                                                                                                                                             85: 6
"src/automaton/tests/unit/_Movable.ts" 100L, 3082C written
>> 3 non-emit-preventing type warnings
                                                                            All files
                                                                                                          90.32
                                                                                                                     55.56
                                                                                                                                 90.22
                                                                                                                                             90.23
>> Type errors only.
                                                                                                     ______|___|
TypeScript compilation complete: 1.33s for 15 typescript files
                                                                           Done, without errors.
Done, without errors.
Completed in 1.851s at Mon Feb 23 2015 22:38:45 GMT-0600 (CST) - Waiting...
                                                                            ~/code/automaton
                                                                                                                                        * typescript
pasta 1 dotfiles 2 talk 3 dojo 4 automaton
                                                                                              # Bennie And The Jets - Elton John
                                                                                                                                    22:38 23 Feb rugen
                                                                                                                                              50
```

```
51
```

brew install tmux

What is tmux?

- → Terminal multiplexer
- → View and control multiple consoles
- → Preconfigure environments

tmux new-session -s {session-name}

tmux new-session -s pasta

~/.tmux.conf - tmux configuration

→ configure tmux

unbind default prefix and set it to Ctrl+a
unbind C-b
set -g prefix C-a
bind C-a send-prefix

For each modifier key listed below, choose the action you want it to perform from the pop-up menu.

Caps Lock (全) ^ Control

Control (^) Key: ^ Control

Option (\tau) Key: \tau Option

Command (第) Key: 第 Command

```
. .
                                                                          Shell
 23 set -g default-command "reattach-to-user-namespace -l zsh"-
 22 # tmux display things in 256 colors-
 21 set -g default-terminal "screen-256color"-
 20 set -g status-utf8 on-
 19 -
 18 set -g history-limit 20000-
 17 ¬
 16 # automatically renumber tmux windows-
 15 set -g renumber-windows on-
 13 # unbind default prefix and set it to Ctrl+a-
 12 unbind C-b-
 11 set -g prefix C-a-
 10 bind C-a send-prefix-
  8 # for nested tmux sessions-
 7 bind-key a send-prefix-
  5 # Activity Monitoring
  4 setw -g monitor-activity off-
  3 set -g visual-activity off-
 1 # Rather than constraining window size to the maximum size of any client-
   # connected to the *session*, constrain window size to the maximum size of any-
  1 # client connected to *that window*. Much more reasonable.¬
 2 setw -g aggressive-resize on-
  4 # make delay shorter-
  5 set -sg escape-time 0-
  7 # tile all windows-
  8 unbind =¬
 9 bind = select-layout tiled-
 10 -
 11 # cycle through panes-
 12 # unbind C-a-
 13 # unbind o # this is the default key for cycling panes-
 NORMAL / master / tmux/tmux.conf.symlink
pasta 1 dotfiles 2 talk 3 dojo 4 automaton
```

There's a lot that tmux can do

Shell

Synchronize-panes

2 talk

```
. .
18 ¬
17 # [fit] 'tmux new-session -s {session-name}'-
16 ¬
15 ----
14 ¬
13 # [fit] `tmux new-session -s pasta`-
 10 ¬
 9 # [fit] '.tmux.conf' - tmux configuration-
     configure tmux-
 5 ' bash-
 4 # unbind default prefix and set it to Ctrl+a-
 3 unbind C
 2 set -
 1 bind
              ](h.t.://w.../..._dl_dl_dt)=
 4 ![
 8 # [fit] There's a lot that tmux can do-
 10 ----
12 # [fit] Synchronize-panes-
14 1[ ](a.l. 16/a. 16/AV.1)=
15 ¬
16 ----
17 ¬
18 # [fit] Create splits on the fly-
         # master vim-workshop.md
"vim-workshop.md" 360L, 5465C written
1 pasta
                  2 talk
```

eate splits on the fly

utf-8[unix] 95% 342: 3 markdown







tmux + vim = •

benmills/vimux

Interact with tmux from vim

Execute commands from vim in a split

:call VimuxRunCommand("grunt test")

Map the commands to a key

nmap <leader>z :call VimuxRunCommand("grunt test")<cr>

and I think you will, too

Learn your editor well (even if it's not vim)

Don't copy someone else's configuration Make it your own

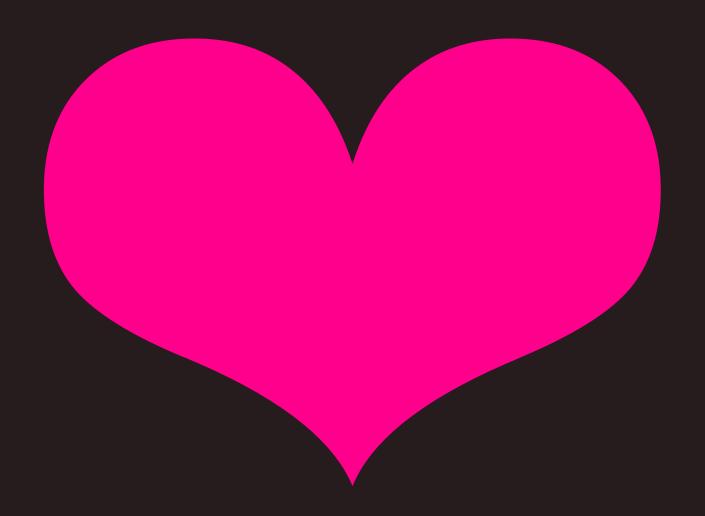
But share your configuration 66



dottiles

- → Share your configuration
- → Stealideas from others
- → nicknisi/dotfiles

Keep practicing



https://github.com/nicknisi/vim-workshop