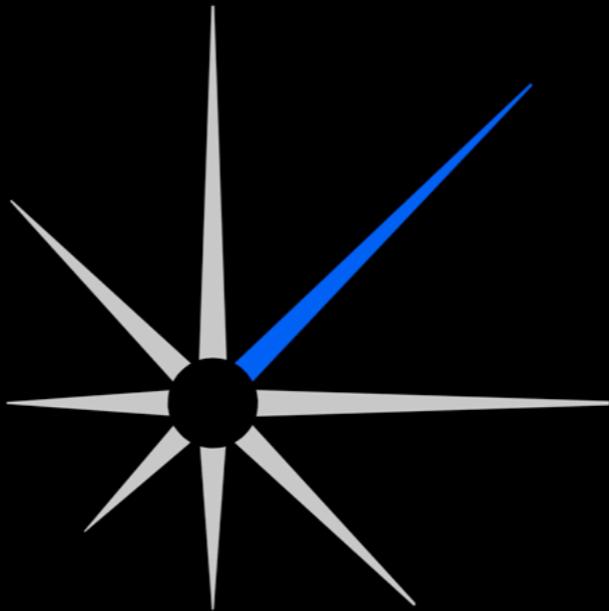


Build a Multiplayer node.js Game in 48 Hours



8th light

Jim Suchy

Software Craftsman

jsuchy@8thlight.com || @jsuchy

Practice

An ounce of practice
is worth more than
tons of preaching.
~Mohandas Gandhi

Photo credit to cole mama's Side Effect of Practice on Flickr

Take the time to practice
your craft without
interruptions, in an
environment where you
can feel comfortable
making mistakes.

-- Apprenticeship Patterns

Kata



<http://codekata.pragprog.com/>

Breakable Toys



Coding Competitions



8thlight

BATTLESHIP

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<http://slagyr.github.com/sparring>

Player List

Snap Crackle Pop	76
Letter Letdown	0

Dossier

Name: Snap Crackle Pop

Author: Anonymous

Profile: A hangman player

Overall Score: 76/100

Play Record: 0/0 - No games recorded

Time Score: 0/0 - No games recorded

Simplicity Score: 100 - 44 LOC

Test Coverage: 82 - 8.2% test coverage

Flag Score: 100 - 2/2 methods have flags

Silkuro Score: 100 - 0 bits exclusive complexity

Play Score: 100 - 0 duplication score

[Perform Analysis](#) [Play 5 Games](#)

HANGMAN

New Game Computer A.I. Close

The main interface shows the word "OBSEQUENT" with the letter "Q" highlighted in red. Below the word is a stick figure hanged man icon. A message at the bottom says "Sorry, there are no D's. The hangman is toast." At the bottom, there is a grid of letters from A to Z.

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A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z

limelight

<http://slagyr.github.com/sparring>



What Would Burt Reynolds Wear?

Friday, May 13 : Chicago, IL

Cloudy

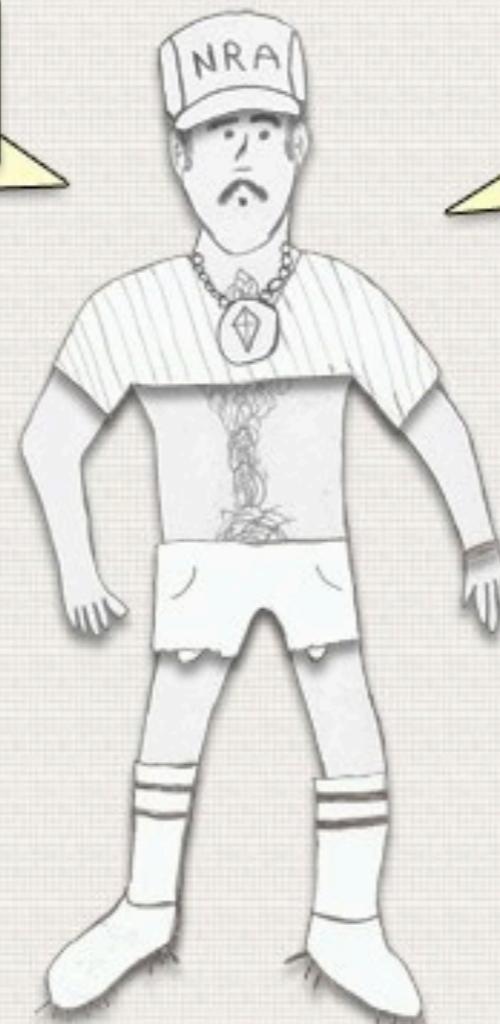
Read, aim, shoot!

15 mph wind

Ruby Amulet!

Feels like 58°F

Running with the devil!



Temperature: 58°F /
14°C

Wind: N at 15
mph

Humidity: 81%

Pressure: 29.75 in.

Dew Point: 52°F

Sunrise time: 5:33 AM

Sunset time: 8:02 PM

Rails Rumble scheduled
for the same weekend
as SCNA





Inaugural Event
August 28 - 29, 2010

Who's interested in
node knockout?

Team



Justin
Martin



Steve
Kim



Craig
Demyanovich



Jim
Suchy

Practice!

“One way to learn JavaScript”

“Sharpen our tools”

“It’ll be fun!”

Prizes!

Overall Winner

Team with the best overall score.

- [NKO-branded boxing gloves](#) — [ThoughtBot](#)
- [16 GB iPad with WiFi](#) (one per team member) — [Medium](#)
- [Palm Pre+](#) (one per team member, [unactivated](#)) — [Palm](#)
- \$500 in free cloud hosting to each team member — [Joyent](#)
- \$300 service credit with Heroku — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)

Solo Winner

One-person team with the best overall score.

- [16 GB iPad with WiFi](#) — [Yahoo](#)
- [Palm Pre+ \(unactivated\)](#) — [Palm](#)
- \$500 in free cloud hosting — [Joyent](#)
- Heroku Trading Card Set, redeemable for discounts on add-ons — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)

Utility

Team with the highest utility score.

- Ticket to JS Conf 2011 (one per team member) — [JSConf](#)
- [Apple Magic Trackpad](#) (one per team member) — [Oasis Digital](#)
- [Livescribe 2 GB Pulse Smartpen](#) (one per team member) — [CouchDB](#)
- [Palm Pre+ \(one per team member, unactivated\)](#) — [Palm](#)
- \$500 in free cloud hosting to each team member — [Joyent](#)
- Heroku Trading Card Set, redeemable for discounts on add-ons — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)
- MongoDB swag package: limited edition Timbuk2 laptop bag, t-shirt, coffee mug, and stickers — [MongoDB](#)

Design

Team with the highest design score.

- [Adobe Fireworks CS5](#) (one per team member) — [Envato](#)
- [1 TB Western Digital external hard drive](#) (one per team member) — [Oasis Digital](#)
- [Palm Pre+ \(one per team member, unactivated\)](#) — [Palm](#)
- \$500 in free cloud hosting to each team member — [Joyent](#)
- Heroku Trading Card Set, redeemable for discounts on add-ons — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)

... and
more
prizes!

Innovation

Team with the highest innovation score.

- [16 GB iPhone 4](#) (one per team member, unlocked) — [Sencha](#)
- [Palm Pre+](#) (one per team member, unactivated) — [Palm](#)
- \$500 in free cloud hosting to each team member — [Joyent](#)
- Heroku Trading Card Set, redeemable for discounts on add-ons — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)

Completeness

Team with the highest completeness score.

- [Skullcandy ROCNATION aviator headphones](#) (one per team member) — [Joyent](#)
- Free setup on Braintree's payment gateway and three months of credit card processing services with all monthly
- [Palm Pre+](#) (one per team member, unactivated) — [Palm](#)
- \$500 in free cloud hosting to each team member — [Joyent](#)
- Heroku Trading Card Set, redeemable for discounts on add-ons — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)

Popularity

Team with the most votes.

- [Timbuk2 Blogger 2.0 Messenger](#) (one per team member) — [Google](#)
- [Starcraft II](#) (one per team member) — [smule](#)
- [Palm Pre+](#) (one per team member, unactivated) — [Palm](#)
- \$500 in free cloud hosting to each team member — [Joyent](#)
- Heroku Trading Card Set, redeemable for discounts on add-ons — [Heroku](#)
- Mongo HQ six-month subscription, large plan — [MongoHQ](#)

Nōdo Tanku

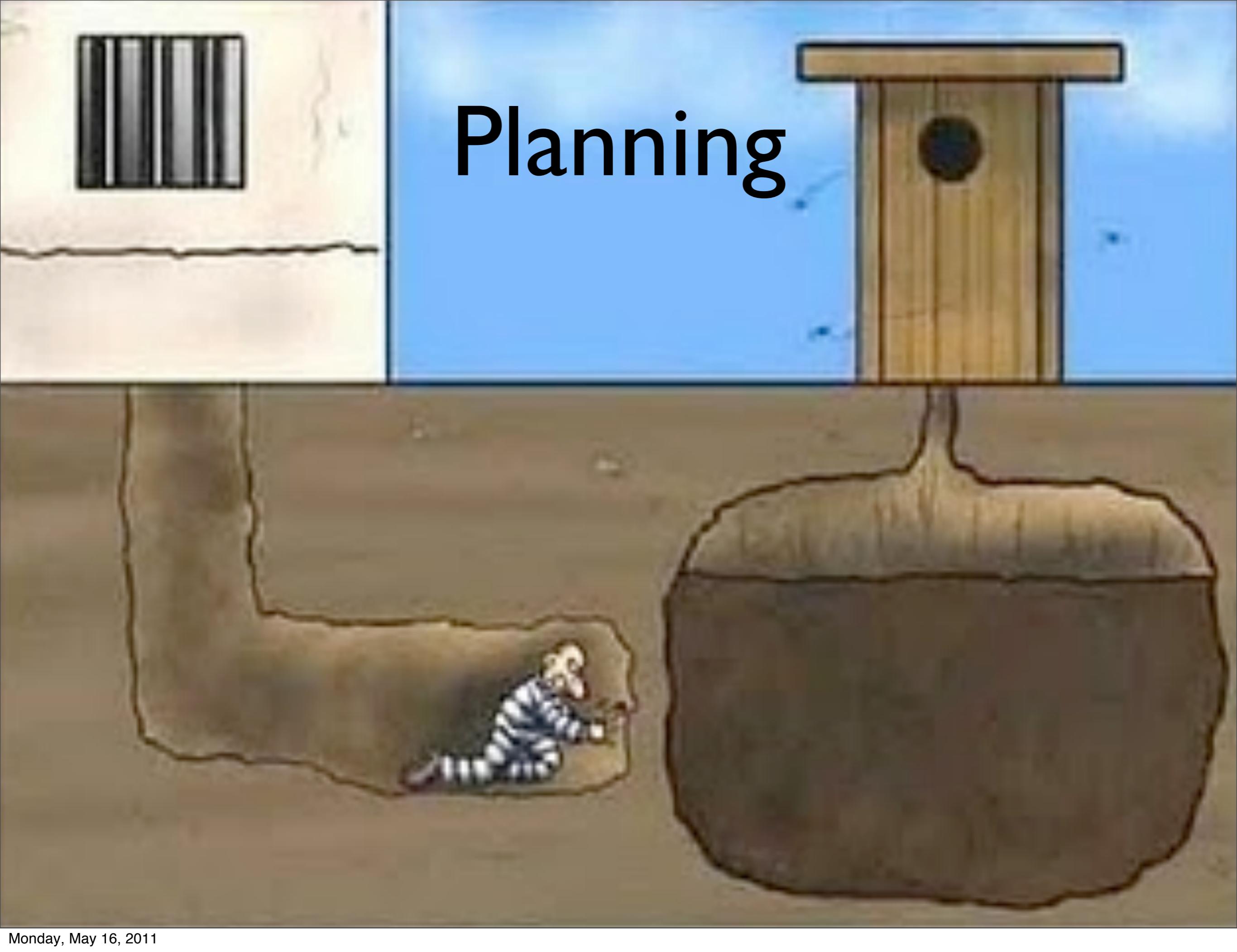


WTF is
nodeJS ?

8LU

What to build?



A cartoon illustration of a squirrel peeking out from a hole in a tree trunk. The squirrel is holding a stack of acorns in its paws. The background shows a blue sky and a wooden structure with a circular window.

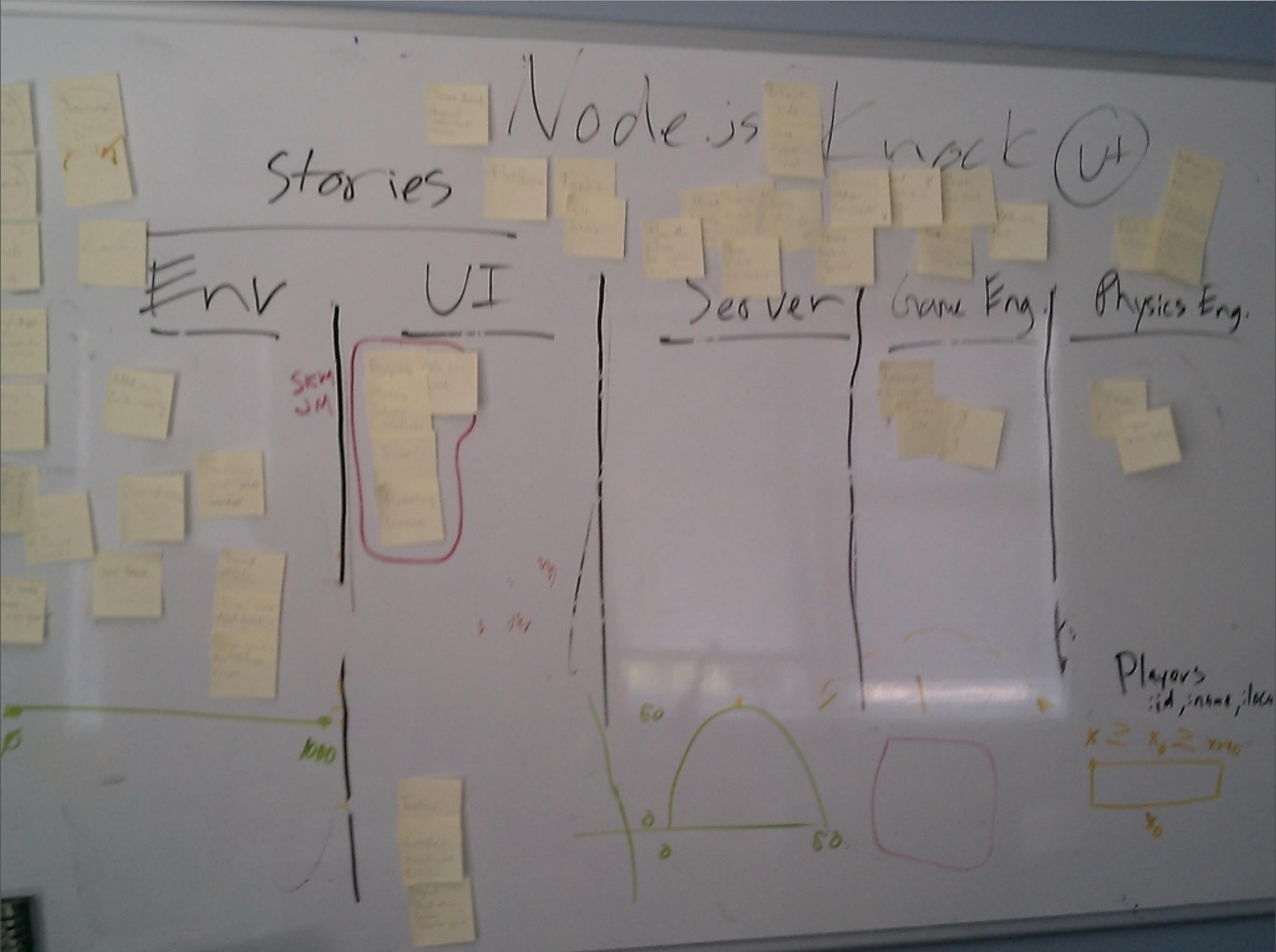
Planning

And they're off!



Where do we start?







Self Organizing

Elusive Minimum Viable Product

story Bookmarks Window Help

canvas_img.html (~/local/git/8thlight/public) - VIM

1 <!doctype html>

broken Dow

Broken Dow

5 Let's Call It

5 diveintohtm

view-source

balldroppin

view-source

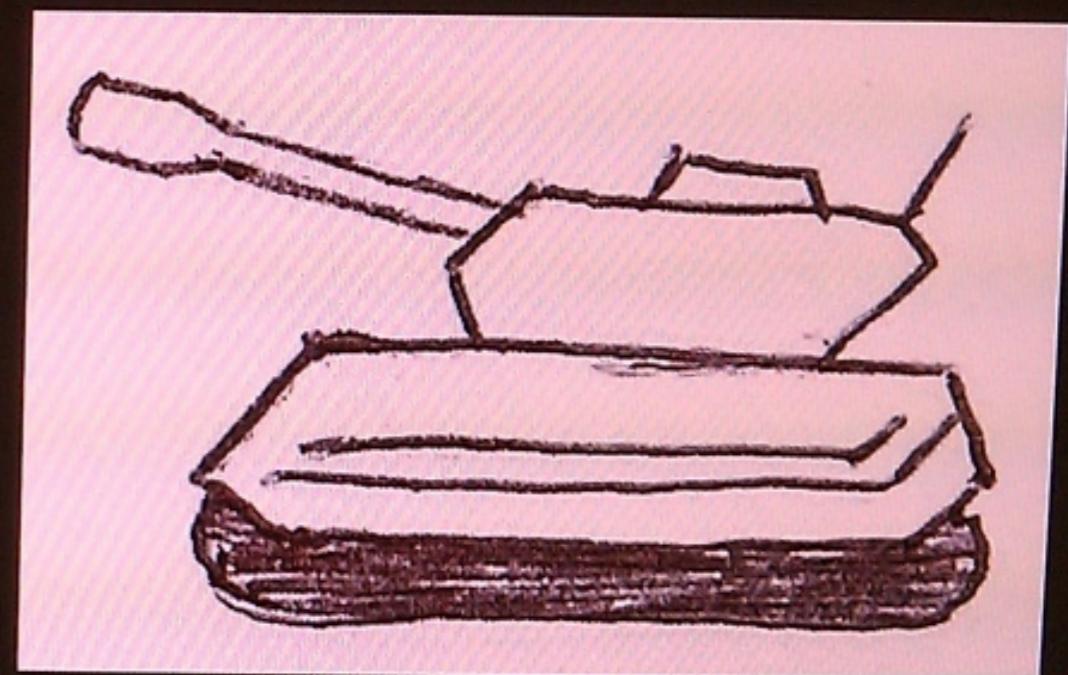
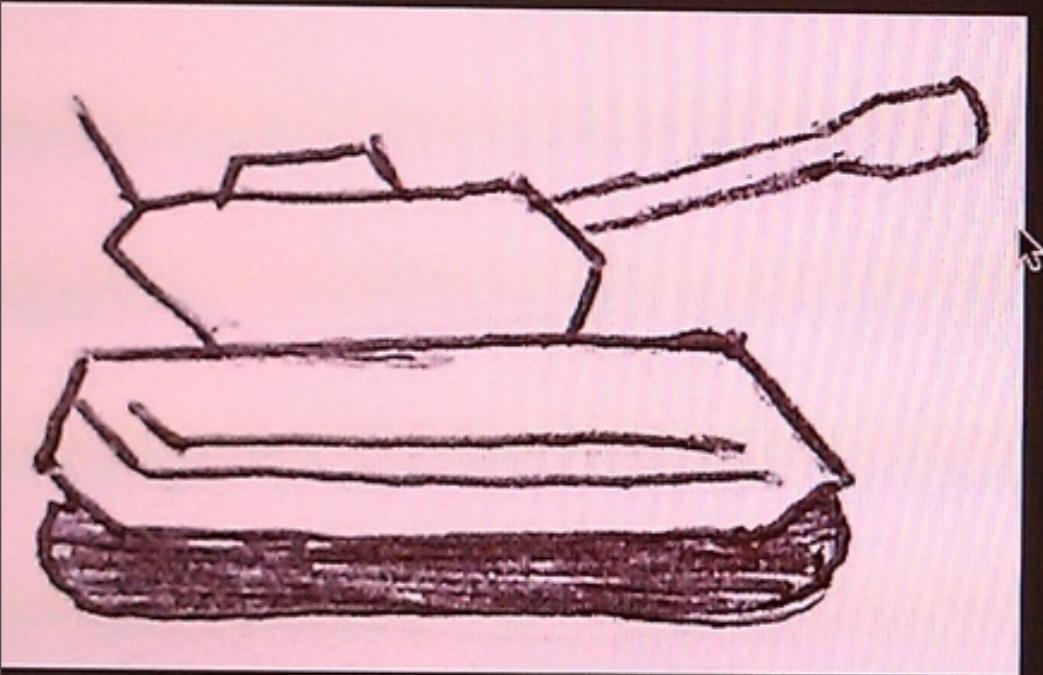
SoundMan

DH HTML5 Pacr

DH view-s

file:///Users/skim/local/git/8thlight/public/canvas_img.html

en Down Tanks, where the tanks are fierce but are all missing engines. Enter your name to join the fight.



This is *code* camp...

jasmine-node

<https://github.com/mhevery/jasmine-node>

Web Sockets using Faye and Socket.IO

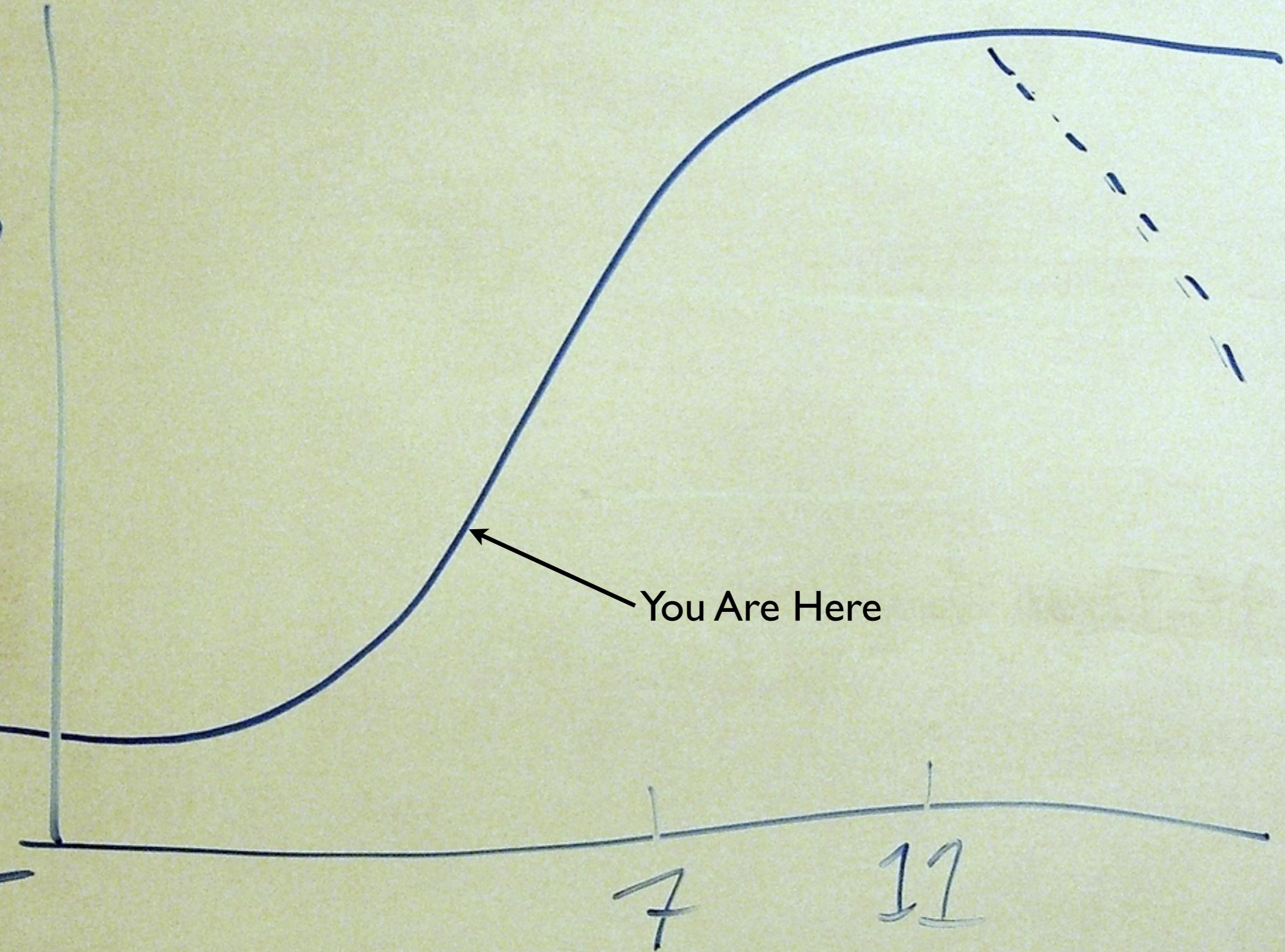
Canvas

Audio

Hits and Misses

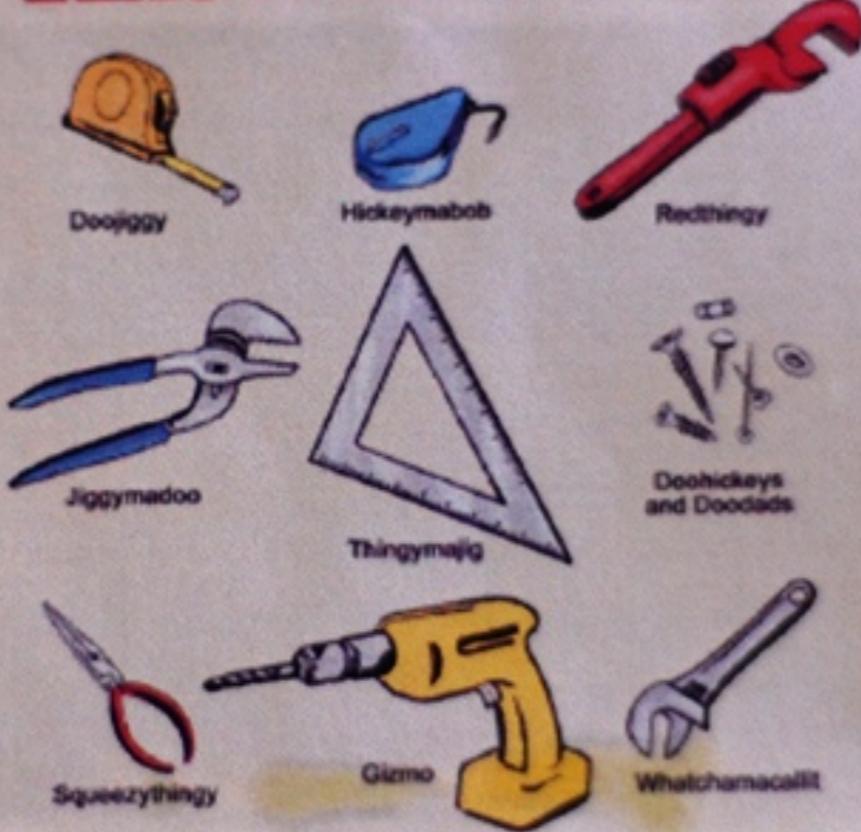


UNDERSTANDING





Know Your Tools



No UX or Gaming Expertise



**With a little help
from your friends**

The Elusive MVP (Minimum Viable Product)

Working in Silos



Untested code!

Deployed working app in 48 hours



Results

- Winner(s) of node knockout... not us.
- <http://2010.nodeknockout.com/teams/8thlight>

Some good reviews

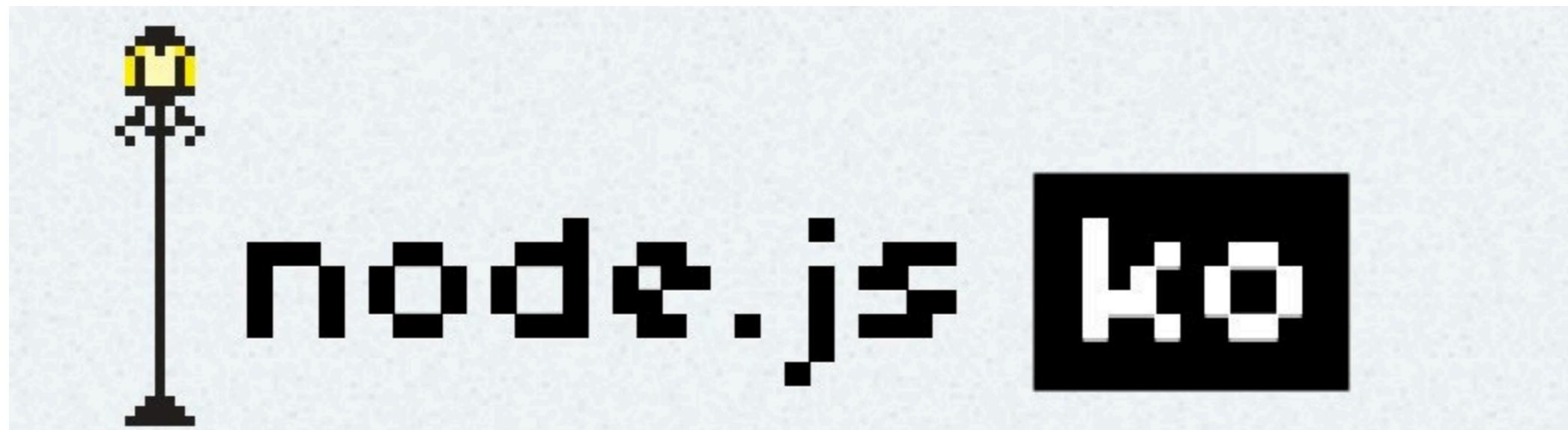
- Good Job! Don't be discouraged by my scoring, the competition is STIFF! I couldn't have done better. Great sound effects! Made me lol :) -- Danny Coates
- good game mechanics and sound effects. there are some bugs that need to be worked out, though. ui could perhaps use some improvement/pointers, but great start! --chang
- Neat Game Design - But hard to control. --Fabian Grassl

People played it and
had fun

Accessibility,
portability, usability

Had Fun and Learned a Ton

What's next?



A pixel art illustration of a street lamp with a single yellow light bulb on top, casting light onto a dark rectangular sign. The sign contains the text "node.js" in a white, sans-serif font and "KO" in a large, white, blocky font.

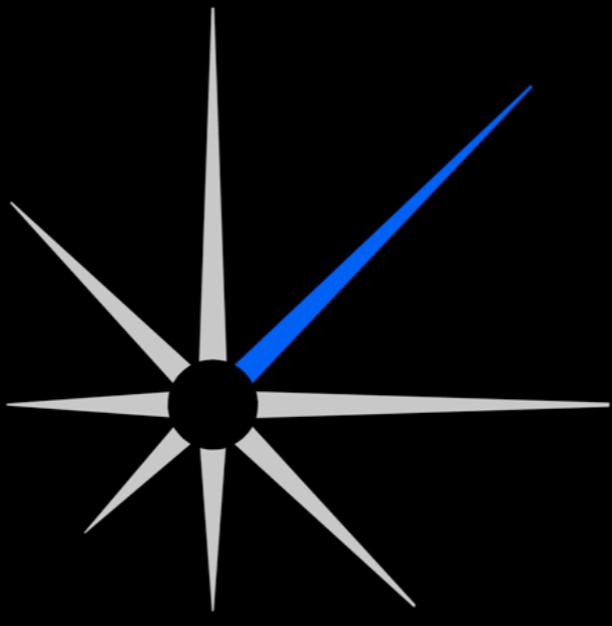
node.js knockout is a 48-hour coding contest featuring [node.js](#).

node.js knockout 2011 will be
August 27 – August 29, 2011

Nōdo Tanku Open Sourced

https://github.com/8thlight/nodo_tanku

Thanks!



Jim Suchy
Software Craftsman
jsuchy@8thlight.com || @jsuchy