Ground Zero

Welcome

- Jack "Wolf" Jeffress
- Kane Mott

The facts of life without any nonsense and with illustrations.

"WHERE DID I COME FROM?"

Peter Mayle

FIRST-AID FOR PARENTS

It's me

Whatever the hell that means

- J.C.R. Licklider - "The Galactic Network"
- jack.jeffress@ga.co
- Hobbies include:

Things I have done for $$$

- Pre-web work
- Tiny boutique sites (portfolios etc.)
- Online stores and auction sites
- Giant sites that will never be finished
- Junior grunt work
- Regular grunt work
- Independent projects
- Lead developer
- Managed projects
- Teaching - this is my eleventh WDI

Why do I teach?

- I want to create developers that I would want to hire
- I am a nerd
  - The web is very important to me
- It's insanely rewarding

"Software literacy is the new literacy"
> ***Joel "The Blade" Turnbull***

How I teach?

- I make lots of incredibly bad jokes
- I'm very open about my methods
  - For example, I always wait ten seconds
- Respectful interruptions are always welcome
- I try to keep it interesting
- I always want to keep learning
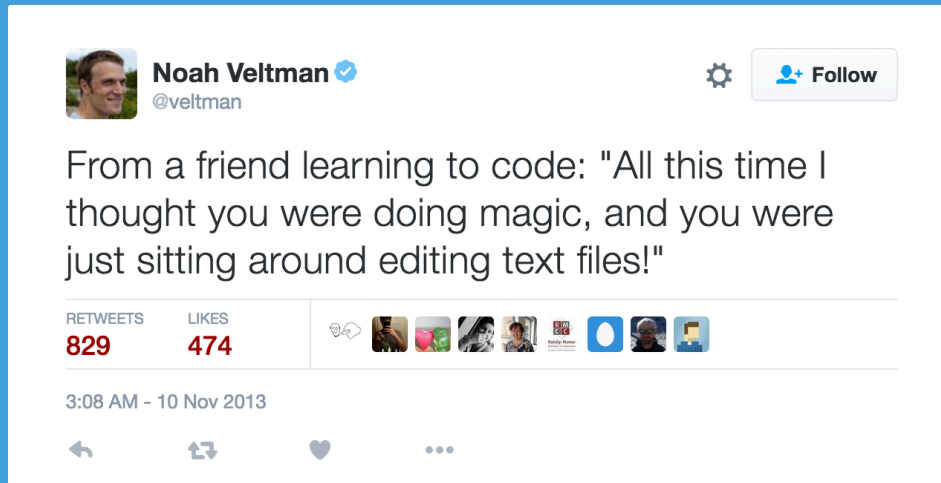- I have done this a fair few times now...

You know me now

Time to go around the room

- What is your name?
- What did you do before this?
- What got you interested in Web Development?
- Have you coded before?
- What is your guilty pleasure?
    - "I love the smell of body odour"
    - "I like popping the pimples of strangers"

What is web development?

The management of both websites, and web-based applications

But really...

Jenn'eral Assembly Web Development Immersive

What have you gotten yourself into?

To be a good developer, you ought to:

- Have a high capacity for frustration
- Not mind reading documentation
- Be comfortable with imposter syndrome
- Enjoy solving problems and the little wins
- Be comfortable editing text
- Be comfortable knowing there is always more

A typical day

09:00 - 09:30   Emails, news

09:30 - 09:45   Standup meeting

09:45 on...   Coding
                           40% writing code
                           60% figuring out why it doesn't work

Basket weaving

Geeking out

A typical day here

09:00 - 10:00	Warmup
10:00 - 11:15	Lecture / Codealong
11:15 - 11:35	Break
11:35 - 01:00	Lecture / Codealong
01:00 - 02:00	Lunch
02:00 - 02:30	Review
02:30 - 04:00	Labs / Codealong
...	Homework

The structure of the course

Week	Content
One and two	Front End
Three	Project 00
Four and five	Back End
Six	Project 01
Seven and eight	Advanced front end
Nine	Project 02
Ten and eleven	Advanced back end / Other
Twelve	Project 03

The structure of the course

We follow the development of the web itself

- We start by learning development
- Then we create pages by hand
- Then we get the back end to create our HTML for us
- Then we get into Single Page Apps
- Then we get into lots of other fancy stuff

Slides, Github etc.

- ga-wolf/wdi-21 Github Repository
- phoboes/WDi21-Homework Github Repository
- phoboes/WDi21 Gitbook

What is this course really about...

- Learning to learn and code
- Web browsers
- Text editors
- Writing
- Design (system, not visual)
- Stickers
- Normally animals
- Normally the Marx Brothers, Sátántangó and Bill Murray

Traditions

- Dreaming in code
- Hating M.T.A
- Margaritas
- The Spit to Manly
- Burning Airlines
- Bowling
- Terrible tragedy
- Trying to be the best WDi ever
- Getting your producers in as many photos as possible

Maximising Value

"Immersive" is right, immerse yourself!

- Ask thousands of questions and get help
- Go to meetups
- Embrace the culture and the jargon
- Treat everyday like a job opportunity
- Get some good headphones

Maximising Value

$$\Delta U = q + w$$

Maximising Value

- Communicate!
- Slack
- Keep a blog (Wordpress, Tumblr etc.)
  - Or vlog (for the trendy ones - http://giveit100.com/)
  - http://tiddlywiki.com/
  - WDI.txt
- Love the alumni community as much as we do
- Avoid Facebook and (cancel your social life)
- Fail early and often
- Don't always think in code

Maximising Value

- We are the sum of our habits
- Side projects are our friends
- Read and learn from other code
- Code for your colleagues
- You don't have to work all of the time
- Work with each other as much as possible
- Keep your ear to the ground

You are WDi 21

You'll always be known as that.

That's when I reach for my revolver...

Our class is like yoghurt

As WDi 21, what do you want to bring to the table?

- "No rejecting high fives"
- "Everyone has to hug in the morning"

Producer Interlude

Geek and Hacker Culture

- Sharing and enjoying
  - Books
  - Movies
  - TV Shows
  - Memes
  - Gifs
  - Articles
  - Anything...

The Tao of Programming

The Jargon File

Larval Stage: N.

"Describes a period of monomaniacal concentration on coding apparently passed through by all fledgling hackers. Common symptoms include the perpetration of more than one 36-hour hacking run in a given week; neglect of all other activities including usual basics like food, sleep, and personal hygiene; and a chronic case of advanced bleary-eye. Can last from 6 months to 2 years, the apparent median being around 18 months. A few so afflicted never resume a more 'normal' life, but the ordeal seems to be necessary to produce really wizardly (as opposed to merely competent) programmers."

- *The Jargon File*.

Book 2.1

"After three days without programming, life becomes meaningless"

Sign up / Bookmark / Attend

- Twitter
- Stack Overflow
- SydJS
- RORO Sydney
- The Javascript Weekly
- The Ruby Weekly
- Versioning

Sign up / Bookmark / Attend

- Lots of newsletters
- Lots of places for Web Inspiration

How to get help

- Have the relevant files / links open
- Be ready to explain:
    - What you expect to happen
    - What seems to actually be happening
- Raise your hand

How to ask questions

- Be specific
- Don't paste lots of code into Slack, use a snippet
- Don't use private messages for things that aren't private
  - Collaborate so everyone can benefit!
- Here is a rather patronising article

How to ask questions

"What we [developers] are, unapologetically, is hostile to people who seem to be unwilling to think or to do their own homework before asking questions."

- Eric S. Raymond and Rick Moen

The Wolf Pack

Help each other out!

- Move faster
- Mastery
- It's common practice
    - Pair Programming is a big deal

What is going to go wrong?

Everything.

"If debugging is the practice of adding of removing bugs from software... Then programming must be the practice of adding them"

- Edsger W. Dijkstra

As a programmer, the best skill you can learn is how to debug.

Brutally frank advice

- Pause your social life
- Stay off Facespace, whatever it is now
- Ask every question possible
- Write and fix as many bugs as possible
- Do way more than is asked
- Make this the most intense 3 months of work you've ever done
- But also the most fun

Let's get into it!