**Frontend**

Codes journey from the web server to users spend most of its time on the client side. Our aim should simply be to delivery consistently lightweight, semantic and innovative code.

To reach such destination we need as a team to exist in the same ecosphere, in essence each developer should be comfortable enough to swap daily stories and sprints with other developer without the need for a hand over.

To achieve all that we need to take a closer look on our ecosphere and pave the cowpaths by accepting and adopting widespread practices rather than forbidding and inventing something new.

All code in any code-base should look like a single person typed it, no matter how many people contributed.

**Our Frontend Ecosphere**

* Core browser Technologies [html/html5,CSS/CSS3,javascript].
* Unit testing all components.
* Performance.
* Coding standards.
* Code repository of reusable models.

**To Read**

* <http://rmurphey.com/blog/2012/04/12/a-baseline-for-front-end-developers/>
* <http://eloquentjavascript.net/>
* <http://javascriptweblog.wordpress.com/>
* <http://perfectionkills.com/>
* <http://www.w3.org/TR/html-design-principles>

1. HTML CSS JAVASCRIPT
   1. HTML

* Separate structure from common blocks
* Appropriate use of inline/block elements?
  1. CSS

- Color declaration – padding declaration - !important – floated elements – font-size

- Relying on firebug to develop?

- Specificity.

- SASS

* 1. JavaScript

JavaScript doesn’t suck, you just doing it wrong – Douglas Crockford

JS patterns, MicroJS

<https://github.com/rwldrn/idiomatic.js>

1. Unit testing frontend components

Basically we need to be confident that if we fix a bug or introduce new feature we will not have to worry about breaking existing code. And any other frontend developer can go make amends and simply run the tests.

NodeJS – Zombiejs

1. Performance

Frontend journey starts when the user types the url into the address bar and press enter; from the DNS request of your images, style sheets and javascript.

Take a look at this site: <http://www.webpagetest.org/>

Just run the test for any website and study the data

NodeJS - Grunt

1. Coding standards

There will be a “Live” coding standards document checked into github, the reason being is things shouldn’t be set in stone; we should be able to adapt and build on everything we do.

Everyone will be invited to chip in the document.

<https://github.com/rwldrn/idiomatic.js/>

1. Coding Repository

How many carousels do we need?

GITHUB