Front-end Overview

One Web

Responsive Web Design

Performance

Frameworks

One Web

One Web

Device

One Web

Connection

One Web

Disabilities

caniuse.com

Progressive Enhancement

A basic, functional, experience is delivered to everyone

Different browsers will be served different experiences

Feature tests in JS

do more stuff and / or

load in enhancements

lolcatStorage

```
if('localStorage' in window) {
    // fancy stuff with localStorage
}
```

Cutting the Mustard

```
if('querySelector' in document
    && 'localStorage' in window
    && 'addEventListener' in window) {
    // bootstrap the javascript application
}
```

Support vs Optimisation

Responsive Web Design

Responsive Web Design

fluid grid

flexible images

media queries

fluid grid

```css
.half {
  width: 50%;
}
```

flexible images

```css
img {
  max-width: 100%;
  height: auto;
}
```

media queries

```css
@media (min-width: 60em) {
  /* adjust stuff */
}
```

Mobile First

Performance

latency harsher than bandwidth

Inline, Internal, and External CSS

Inline

```
<p style="color: red;">Help!</p>`
```

Internal

```
<style>p { color: red; }</style>
```

External

```
<link rel="stylesheet" href="style.css" />
```

Inline, Internal, and External JS

Inline

```
<p onClick="help()">Help!</a>
```

Internal

```
<script>console.log('Help!');</script>
```

External

```
<script src="help.js"></script>
```

External is best

modular, reusable, code

Concatenation

Minification

Gzip

Frameworks

Frameworks: Pros

Frameworks: Cons

Roll your own framework, but borrow

Bootstrap

Foundation

fef.projectcodex.co

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