What is Front-end (web dev)?

Front-end Overview

One Web

Responsive Web Design

Performance

Frameworks

One Web

One Web

Device

One Web

Connection

One Web

Disabilities

Progressive Enhancement

HTML5, CSS3

Pre- and post-processors

CSS: Sass, Less

JS: Coffescript, Typescript

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>
```

Which method is best?

External is best

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modular, reusable,
more performant

Concatenation

Minification

Gzip

Grunt

Gulp

npm scripts

Frameworks

Frameworks: Pros

Frameworks: Cons

Roll your own framework, but borrow

Bootstrap, Foundation

Sites you like

fef.projectcodex.co

Front-end Style Guides

Atomic Design

What next?