

What are we using?

- Javascript (ES6)
- React (JSX, Redux, Ducks, Thunk)
- SCSS
- Webpack
- NodeJS
- Yarn

Javascript (ES6)

- ES6 = Ecmascript 6
- More modern
- Old Javascript = 💩
- ES6 = 😱❤💰




```
"use strict";  
  
var sayName = function sayName(name) {  
    "Hello " + name;  
};
```

Without ES6

```
const sayName = (name) => {  
  `Hello ${name}`  
}
```

With ES6

React

- Javascript Library
- Built by Facebook
- Used by: Netflix, Instagram, Facebook, Airbnb, Google, Apple, Paypal, Wix, Spotify, Alipay, Bitbucket, Uber, Wordpress
- Composition 
- HTML  JSX 
- ES6

```
render() {  
  return React.createElement(  
    "div",  
    null,  
    "Seconds: ",  
    this.state.seconds  
  );  
}
```

Without JSX

```
render() {  
  return (  
    <div>  
      Seconds: {this.state.seconds}  
    </div>  
  );  
}
```

With JSX

SCSS

- Sassy CSS
- SCSS In CSS Out


```
button {  
    background-color: white;  
    padding-top: 30px;  
    padding-left: 40px;  
    padding-right: 20px;  
    padding-bottom: 20px;  
}  
button:hover {  
    outline: none;  
}  
button:active {  
    transform: scale(0.9);  
}
```

Without SCSS

```
button{
  background-color:white;
  padding: {
    top:30px;
    left:40px;
    right:20px;
    bottom:20px;
  };
  &:hover{
    outline:none;
  }
  &:active{
    transform:scale(0.9);
  }
}
```

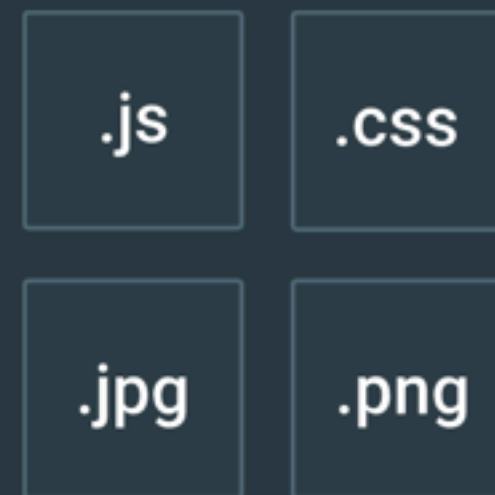
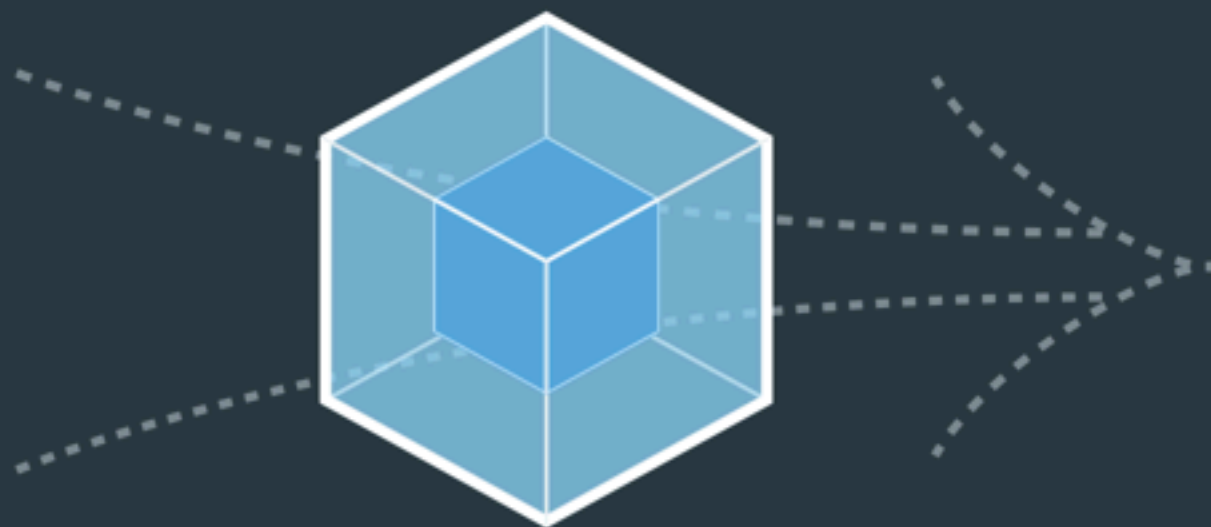
With SCSS

Webpack

- Module Bundler (WTF)
- Code Transformations
- File Handling
- Plugins (Live Reload, Hot Module Replacement, Plugin Providing, PostCSS)
- Just Javascript



MODULES WITH DEPENDENCIES



STATIC ASSETS



NodeJS

- Javascript Runtime (WTF)
- Javascript outside of the browser
- Javascript Modules with NPM
- Pip for Python
- Npm for NodeJS

Yarn

- Npm with improvements
- Offline Support
- Lockfiles