

CSS Modules



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CSS Modules are awesome!



Traditional CSS

Real Modules



```
:before {}
```

```
@media (min-width: 700px) {}
```

```
@keyframes animate {}
```

PostCSS Ecosystem



SRC

```
.link {  
  text-decoration: none;  
}  
.btn {  
  border: none;  
  background: orange;  
}
```



COMPILED

```
.link---5x98a {  
  text-decoration: none;  
}  
.btn---99a0f {  
  border: none;  
  background: orange;  
}
```

SRC

```
function MyComponent() {  
  return <button>Push</button>  
}
```

SRC

```
import css from './my-stylesheet.css'
```

```
function MyComponent() {  
  return <button>Push</button>  
}
```


SRC

```
import css from './my-stylesheet.css'
```

```
function MyComponent() {  
  return <button className={css.btn}>Push</button>  
}
```

IN-BROWSER

```
<button class="btn---99a0f">Push</button>
```

Your selector name



```
localIdentName=[local]---[hash:base64:5]
```



Generated hash
(substring 5 chars)

```
.selector {  
    composes: anotherSelector;  
}
```

default-links.css

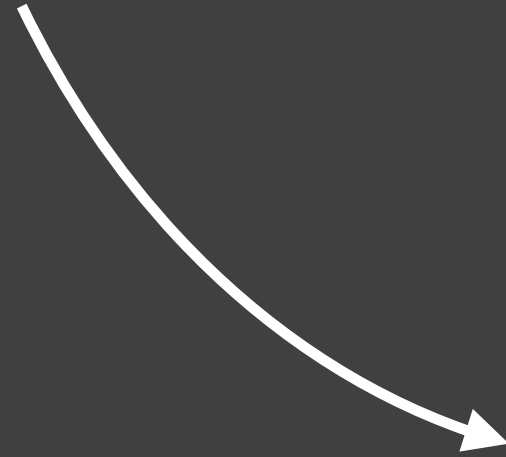
```
.link {  
  color: orange;  
}
```

my-component.css

```
.link {  
  composes: link from "./default-links.css";  
  color: pink;  
}
```



```
import css from './stylesheet.css'
```



```
<button className={ ??? }>Push</button>
```

```
MyComponent.propTypes = {  
  css: object.isRequired  
}
```



```
<MyComponent css={{  
  originalSelector: props.css.myAppStyle  
}} />
```

```
<MyComponent css={{  
  originalSelector: 'textFixtureClassName'  
}} />
```

CSS Modules Demo

Image slider

- Again, unstyled

CSS Modules

- Will write CSS
- Usage will feel different

CSS Modules

Local by default

`.selectorName`

Can make global

`html`
`:global(.selectorName)`

CSS Modules!



Codebase longevity

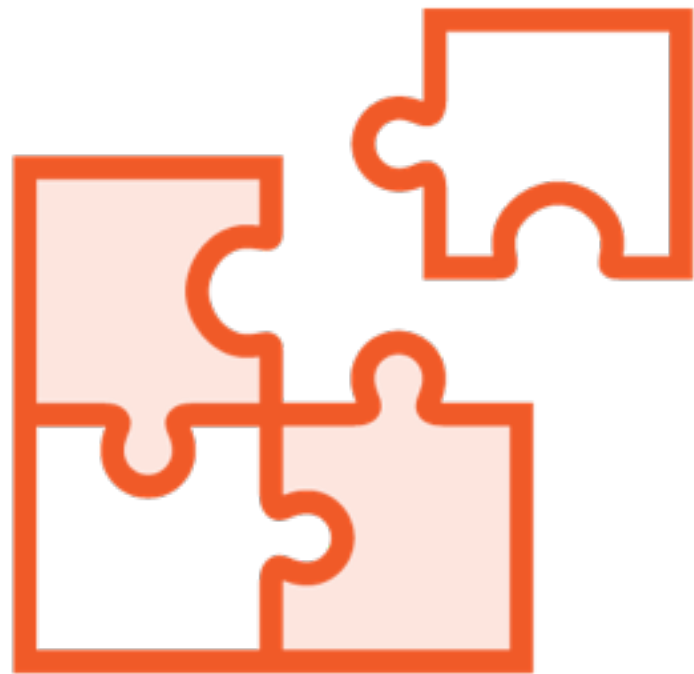
Refactoring

Selector names

Real module isolation

CSS Modules

- ✓ **Global Namespace**
- ✓ **Dependencies**
- ✓ **Dead Code Elimination**
- ✓ **Minification**
- ⚠ **Sharing Constants**
- ✓ **Non-deterministic Resolution**
- ✓ **Isolation**



Inline Styles

Radium

External CSS Stylesheet

CSS Modules

Thank you!