



WEB COMPONENTS



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WHAT ARE WEBCOMPONENTS ?

Web components are a set of web platform APIs that allow you to create reusable custom elements in HTML. They are a set of standards defined by the W3C, which includes Shadow DOM, Custom Elements, HTML Templates, and HTML Imports (though HTML Imports are being deprecated in favor of ES6 modules).

Web components are designed to be highly reusable. You can create custom elements encapsulating both the UI and behavior, and they can be used across different frameworks and projects.

Web components provide a strong level of encapsulation through Shadow DOM. Shadow DOM allows you to encapsulate the styles and markup of a custom element, preventing external CSS or JavaScript from affecting its internals.

WHY/WHEN DO WE USE WEB COMPONENT?

- **Encapsulate logic + UI**
- **Re-usable across pages**
- **Reusabel b/w apps and projects (react/angular..)**
- **Microfrontend**
- **When you hate yourself!**

WEB COMPONENTS VS OTHER FRAMEWORKS!

- **Web componets are weird but web-standard**
- **React/Angular/vue are awesome!**

CREATING OUR OWN WEB COMPONENTS

Coding time

WHY YOU DON'T NEED WEBCOMPONENTS

**Web components are fine
in all the ways that don't
matter.**

- Ralph Waldo Emerson

