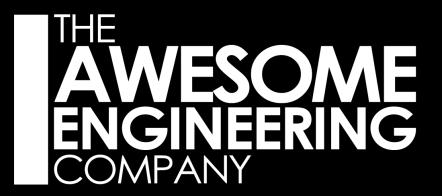


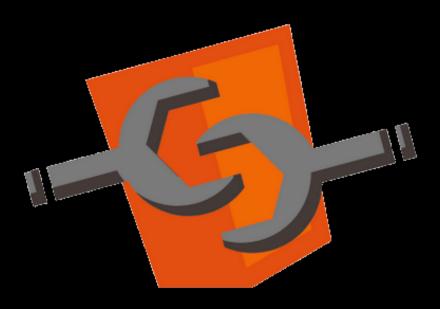
Glen R. Goodwin











WEB COMPONENTS

AWESOME





<my-awesome-button> </my-awesome-button>

Window.customElements







Jump to: Syntax Examples Specification Browser compatibility

Web technology for developers

>

Web APIs > Window >

Window.customElements

The customElements read-only property of the Window interface returns a reference to the CustomElementRegistry object, which can be used to register new custom elements and get information about previously registered custom elements.

Related Topics

Window

Properties

applicationCache

Syntax 🔊

let customElementRegistry = window.customElements;

Using shadow DOM







Jump to: High-level view

Basic usage

Working through a simple example

See also

Web technology for developers

>

Web Components >

Using shadow DOM

Related Topics

Interfaces

CustomElementRegistry

HTMLSlotFlement

HTMLTemplateElement

An important aspect of web components is encapsulation — being able to keep the markup structure, style, and behavior hidden and separate from other code on the page so that different parts do not clash, and the code can be kept nice and clean. The Shadow DOM API is a key part of this, providing a way to attach a hidden separated DOM to an element. This article covers the basics of using the Shadow DOM.

Note: Shadow DOM is supported by default in Firefox (63 and onwards), Chrome, Opera, and Safari. Edge is working on an implementation as well.

```
<twtr-tweet-viewer style="list">
  <twtr-tweet tweetId="45yhbwrh356hw34t3w4gtqerf">
    Try ZephJS!
    It's the bomb!
  35545g">
                        eg24g5w4
  <twtr-tweet tweet
                       ="images/42
                                          234523452rgs''>
    <twtr-tweet-m
    <twtr-tweet+
  g53fq3''>
  <twtr-tweet twee
                        652tgtbwg
    In Endgame whe
                                        ath.
    It's gruesome.
  <twtr-tweet tweetId="234tgb5y36g34fv246245w3va">
    <twtr-tweet-media src="images/245yh3yb364wgegaasdfg">
    <twtr-tweet-media>
```

```
<body>
 <twtr-tweet-viewer style="list">
   <twtr-tweet tweetId="123">
   <twtr-tweet tweetId="456">
   <twtr-tweet tweetId="789">
   <twtr-tweet tweetId="abc">
   <twtr-tweet tweetId="def">
   </body>
```

Not really a picture of Shane





Web Page

ShadowDOM

Custom Elements API

HTML Templates

Browser APIs

Web Page

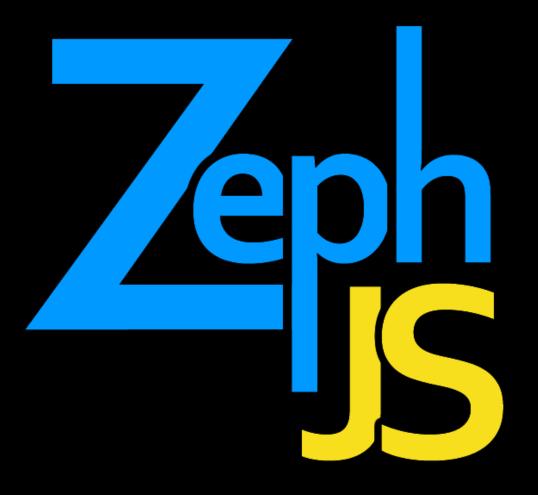
Web Component Helper Library

ShadowDOM

Custom Elements API

HTML Templates

Browser APIs



Web Component Helper Library

ZephJS is an easy, understandable, and ultra-light framework for defining and using Web Components. It is perfect for people writing component libraries, teams building applications or sites that just require a few custom components, or projects building whole applications that do not want all the weight of a modern JavaScript Browser framework. ZephJS simplifies the process of defining custom Web Components into a declarative highly readable structure that uses standard JavaScript, standard HTML markup, and standard CSS Styling.

```
import {ZephComponents,html,css,attribute,property,bind,onEvent}
from "./Zeph.js";
ZephComponents.define("my-list",()=>{
   html("./my-list.html");
   css("./my-list.css");
   attribute("value","");
   attribute("label","");
   property("value","");
   bind("@label","label","$");
   bind("@value",".",".value");
   onEvent("click",(event,element)=>{
   });
```

import {ZephComponents,html,css,attribute,property,bind,onEvent} from "./Zeph.js";

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```

```
import {ZephComponents,html,css,attribute,property,bind,onEvent} from
"./Zeph.js";
ZephComponents.define("my-list",()=>{
   html("./my-list.html");
   css("./my-list.css");
   attribute ("Value", '");
   attribute("label",");
   property("value","");
   bind("@label","label","$");
   bind("@value",".",".value");
   onEvent("click",(event,element)=>{
```

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import {ZephComponents,html,css,attribute,property,bind,onEvent} from "./Zeph.js";
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   bind("@label","label","$");
   bind("@value",".",".value");
   onEvent("click",(event,element)=>{
```

ZephJS Provides a ton of documentation to help you use it...

Getting Started

- Introducing ZephJS
- Component Quick Start Guide
- Frequently Asked Questions

Components

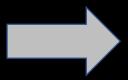
- Component Quick Start Guide
- Component Concepts
- Creating a New Component
- Importing ZephJS
- Defining the Component
- Inheritance
- HTML
- CSS
- Resources
- Attributes
- Properties
- Lifecycle Handlers
- Bindings

./my-widget.js

```
ZephComponents.define("my-widget",()=>{
    ... definition methods ...
});
```

./index.html

... <my-widget> </my-widget> ...



ZephJS

Component Context

Component Class



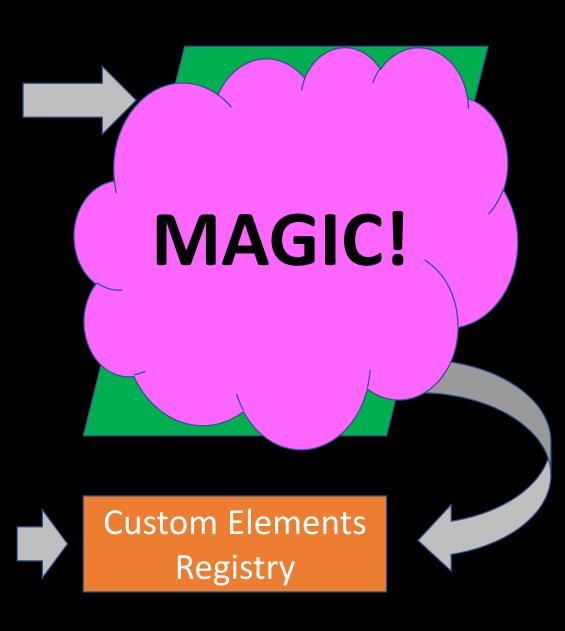
Custom Elements Registry

./my-widget.js

```
ZephComponents.define("my-widget",()=>{
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});
```

./index.html

... <my-widget> </my-widget> ...





LIVE CODING



ZephJS

npm repo zephjs github.com/awesomeeng/zephjs

Fun Fact: This is Zephyr our kitten, for whom ZephJS is named. Hi Zephyr!







Star



Tweet

Still not a picture of Shane buying you Free Beer





ZephJS

npm repo zephjs github.com/awesomeeng/zephjs

Glen R. Goodwin Awesome Engineering