



scottiBR



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Web Components.

Guilherme Scotti



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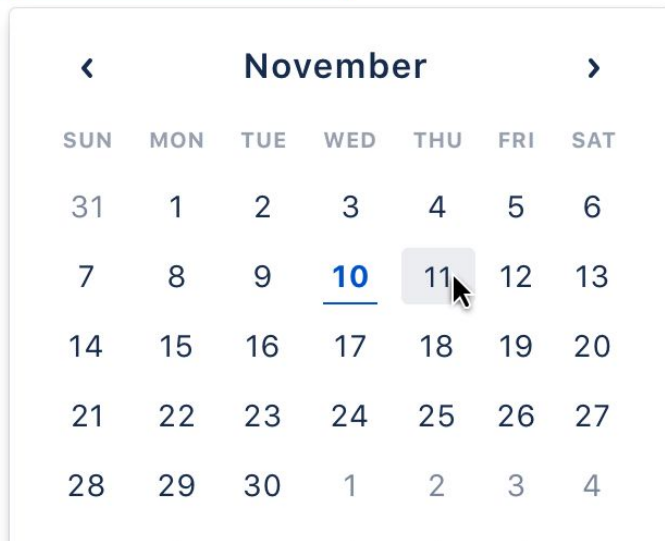
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Datepicker

Due date

Today



1874 packages found

Sort Packages

Optimal

Popularity

Quality

Maintenance

DatePicker



onbing published 2.0.0 • 4 years ago

datepicker

exact match

Datepicker base on neuron

datepicker



island205 published 0.0.0 • 7 years ago

react-datepicker

A simple and reusable datepicker component for React

react

datepicker

calendar

date

react-component



mrusschen published 2.10.1 • 9 days ago

Share UI Components



A large, stylized blue cloud shape with the word "salesforce" in white lowercase letters inside it. The cloud has a soft, rounded appearance with multiple lobes. The text is centered within the cloud.

salesforce

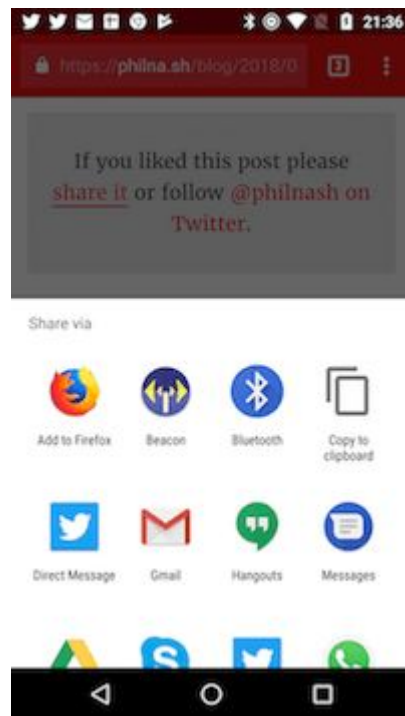
Web Components

- Custom Elements
- HTML Templates
- Shadow DOM
- ~~HTML Modules~~

WebVR

a-frame

```
<web-share-wrapper  
  text="Share this"  
  sharetitle="This amazing thing was shared"  
  sharetext="Click me"  
  shareurl="http://example.com/amazing"  
>  
  <a href="https://twitter.com/">  
    | Share on Twitter  
  </a>  
</web-share-wrapper>
```



Custom Elements

```
class ButtonPrimary extends HTMLElement {  
  constructor() {  
    super();  
    // ...  
  }  
}
```

```
customElements.define("button-primary", ButtonPrimary);
```

```
class FancyButton extends HTMLElement {  
  constructor() {  
    super();  
    //...  
  }  
}
```

```
customElements.define("fancy-button", FancyButton, { extends: "button" });
```

```
document.createElement("button", {  
  is: "button-primary"  
});
```

Properties X Attributes

```
// ButtonPrimary, large, disabled  
const button = document.querySelector('button-primary')  
button.large = true  
button.disabled = true;  
// ButtonPrimary;
```



```
get disabled() {  
    return this.hasAttribute("disabled");  
}  
set disabled(val) {  
    if (val) {  
        this.setAttribute("disabled", "");  
    } else {  
        this.removeAttribute("disabled");  
    }  
}
```

connectedCallback $\approx$ componentDidMount()

disconnectedCallback $\approx$ componentWillUnmount()

HTML Templates

Shadow DOM

```
    <template id='card'>
      |   <style> /*      */ </style>
const template = document.querySelector('#card');
template.content.cloneNode(true);
document.body.appendChild(template);
      |   </div>
    </template>
```

- Isolated DOM
- Scoped CSS
- Simplifies CSS

```
let template = document.createElement("template");  
template.innerHTML = `...`;
```

```
this.attachShadow({ mode: "open" });  
this.shadowRoot.appendChild(template.content.cloneNode(true));
```

▼ <button-primary>

▼ #shadow-root (open)

▶ <style>...</style>

▶ <button>...</button>

"

Button Primary

"

</button-primary>

...

```
<template>
  <div>
    <slot id="card-title"></slot>
    <slot id="card-description"></slot>
  </div>
</template>
```

Card title

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.


```
<card-primary>
  <slot id="card-title">
    <h1>Card Title</h1>
  </slot>
  <slot id="card-description">
    <p>This is...</p>
  </slot>
</card-primary>
```

Card title

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Adoption

Browser support



CHROME



OPERA



SAFARI



FIREFOX



EDGE



HTML TEMPLATES



STABLE



STABLE



STABLE



STABLE



STABLE



CUSTOM ELEMENTS



STABLE



STABLE



STABLE



STABLE



POLYFILL



DEVELOPING



SHADOW DOM



STABLE



STABLE



STABLE



STABLE



POLYFILL



DEVELOPING



ES MODULES



STABLE



STABLE



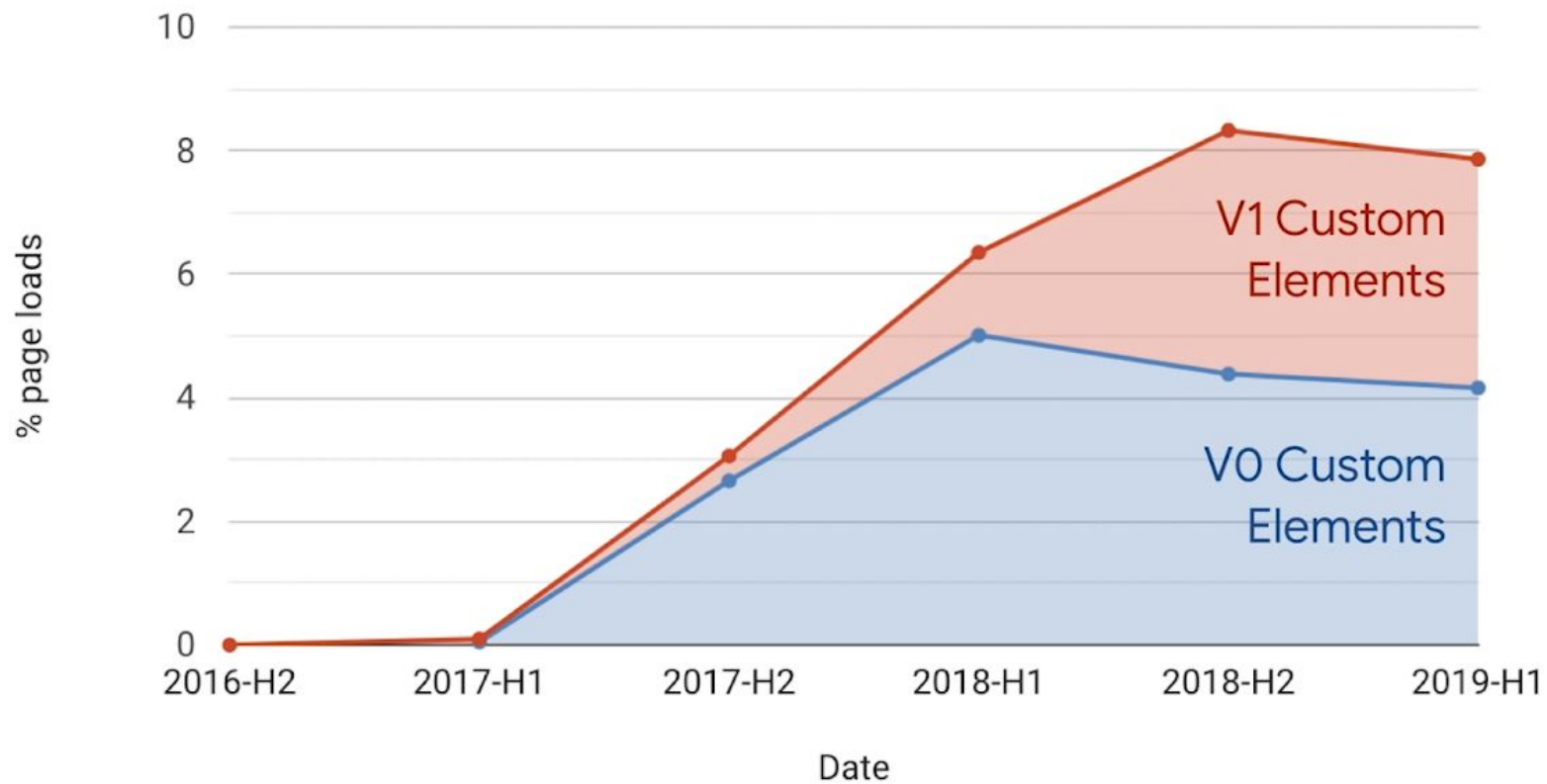
STABLE



STABLE



STABLE

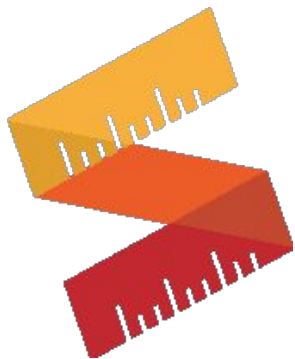




hybrids



STENCIL



vaadin }>



<https://custom-elements-everywhere.com/>

LIBRARY

React 16.12.0

SCORE

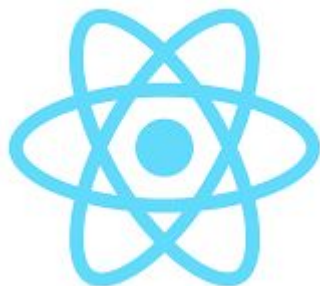
71%

BASIC TESTS

16/16

ADVANCED TESTS

0/14



RFC: Plan for custom element attributes/properties in React 17

#11347 opened Oct 23 by robdodson

Bypass synthetic event system for Web Component events

#7901 opened Oct 6, 2016 by staltz

Passing props to custom elements as properties instead of attributes

#8755 opened Jan 11 by joeldenning

Attributes and properties for Custom Components

#7249 opened Jul 12, 2016 by edoardocavazza

Boolean attributes on Web Components

#9230 opened Mar 21 by nickdimas

Event Handler on React Component not invoked when React Component is rendered inside a Web Component

#9242 opened on Mar 23 by nilshartmann

Good Design System

- Backwards Compatibility
- Not limited by framework
- Developer Experience
- It's just HTML CSS JS
- Cross-browser reusable components



Slides e Referências
bit.ly/web-c-slides



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FeedBack
bit.ly/web-c-feedback



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