

Web components

Grupo II

Demo



Estructura



```
export class Item extends HTMLElement {  
  connectedCallback() {  
    this.innerHTML = `  
      <style>  
        div {  
          ...  
        }  
        ...  
      </style>  
  
      <div>  
        ...  
      </div>  
    `;  
  }  
}
```



```
import { html, css, LitElement } from 'lit';

export class Item extends LitElement {
  static get styles() {
    return css`
      div {
        ...
      }
      ...
    `;
  }

  render() {
    return html`
      <div>
        ...
      </div>
    `;
  }
}
```

Attributes



```
static get properties() {  
  return {  
    name: { type: String },  
    price: { type: Number },  
    realPrice: { type: Number },  
    review: { type: Number },  
    discount: { type: Number },  
    img: { type: String },  
  }  
}
```



```
static get properties() {  
  return {  
    name: { type: String },  
    price: { type: Number },  
    realPrice: { type: Number },  
    review: { type: Number },  
    discount: { type: Number },  
    img: { type: String },  
  }  
}
```



```
this.name  
this.price  
this.realPrice  
this.review  
this.discount  
this.img
```




```
static get properties() {  
  return {  
    name: { type: String },  
    price: { type: Number },  
    realPrice: { type: Number },  
    review: { type: Number },  
    discount: { type: Number },  
    img: { type: String },  
  }  
}
```



```
this.name  
this.price  
this.realPrice  
this.review  
this.discount  
this.img
```



```
this.hasAttribute( 'name' )  
this.getAttribute( 'name' )  
this.setAttribute( 'name', value );  
this.removeAttribute( 'name' )
```



```
get name() {  
    this.getAttribute( 'name' )  
}  
  
set name(value) {  
    this.setAttribute( 'name', value )  
}
```



```
get checked() {  
    return this.hasAttribute( 'checked' );  
}  
  
set checked(value) {  
    if (value) {  
        this.setAttribute( 'checked', '' );  
    } else {  
        this.removeAttribute( 'checked' );  
    }  
}
```

Custom events



```
const event = new CustomEvent( 'my-custom-event', options );  
this.dispatchEvent(event);
```



```
element.addEventListener( 'my-custom-event', ( ) => this.myMethod( ) )
```



```
@my-custom-event="${( ) => this.myMethod( )}"
```



```
const event = new CustomEvent( 'my-custom-event', {  
  bubbles: true,  
});
```


Scoped style



```
export class Item extends HTMLElement {  
  constructor() {  
    super();  
    this.attachShadow({ mode: 'open' });  
  }  
  
  connectedCallback() {  
    this.shadowRoot.innerHTML = `  
      .  
      .  
      .  
    `;  
  }  
}
```

Tooling



```
import {  
  FirstElement,  
  SecondElement,  
  ThirdElement,  
  FourthElement,  
  .  
  .  
  .  
} from './library';
```

```
window.customElement.define('library-first-element', FirstElement);  
window.customElement.define('library-second-element', SecondElement);  
window.customElement.define('library-third-element', ThirdElement);  
window.customElement.define('library-fourth-element', FourthElement);  
.  
.  
.
```



```
import { defineCustomComponents } from '/lib/importer';  
defineCustomComponents('/library', { prefix: 'library' });
```



```
import { defineCustomComponents } from '/lib/importer';
```

```
defineCustomComponents('/native-elements', { prefix: 'native' });
```

```
defineCustomComponents('/lit-elements', { prefix: 'lit' });
```

Muchas gracias