

Grupo 3

Martín Ocqueteau

Nicolás Fraga

Agustín Ríos

## NFTs y To-do List

## Demostración

## **Custom Components**



### sell-item

```
<script defer type="module" src="src/components/SellItem.js">
  title="Astronaut Monkey"
  price="13900"
  discount="10"
  rating="3.7"
  imgSrc="https://dmn-dallas-news-prod.cdn.arcp...">
```



### **Astronaut Monkey**

\$12,510 \$13900





```
/* src/components/SellItem.js */
class SellItem extends HTMLElement {
  constructor() {
    super();
    this.attachShadow({ mode: 'open' }); // closed
    this.shadowRoot.appendChild(template.content.cloneNode(true));
  }
```

```
connectedCallback() {
 if ((this.imgSrc = this.getAttribute('imgSrc'))) {
   this.shadowRoot.getElementById('product-image').setAttribute('src', this.imgSrc);
 if ((this.price = this.getAttribute('price'))) {
   const discount = this.getAttribute('discount') || 0;
    this.shadowRoot.getElementById('sale-price').innerHTML =
     (this.price * (100 - discount) / 100).toLocaleString();
    this.shadowRoot.getElementById('normal-price').innerHTML =
this.price.toLocaleString();
    this.shadowRoot.getElementById('discount-tag').innerHTML = discount;
```

### todo-list

```
<script defer type="module"</pre>
   title="ToDo"
   item2="informes varios"
   item3="proyecto fluidos"
   prompt="mas carga">
```

ToDo		
entrega t7		Delete
informes vari	os	Delete
proyecto fluidos		Delete
mas carga:	new-item	Add

```
class TodoList extends HTMLElement {
    super();
    this.attachShadow({ mode: 'open' });
    this.shadowRoot.appendChild(todo_list_template.content.cloneNode(true));
    this.title;
    this.prompt;
    this.item count = 4;
```

```
connectedCallback() {
  this.shadowRoot.querySelectorAll('.item-button').forEach(item => {
   item.addEventListener('click', () => {
      this.delete(item.id);
   });
  });
  this.shadowRoot.getElementById('add-item').addEventListener('click', () => {
    this.add item(this.shadowRoot.querySelector('#new-item').value);
    this.shadowRoot.querySelector('#new-item').value = '';
  });
```

```
add item(text) {
    this.item = document.createElement('div');
    this.item.id = `${this.item count}-todo`;
    this.p = document.createElement('p');
    this.p.innerHTML = text;
    this.button = document.createElement('button');
    this.button.innerHTML = 'Delete';
    this.button.addEventListener('click', () => {..});
    this.item.appendChild(this.p);
    this.item.appendChild(this.button);
    this.shadowRoot.querySelector('.items').appendChild(this.item);
```

# Lit Elements 🌣

## lit-sell-item

```
import { LitElement, html, css } from 'lit';
class LitSellItem extends LitElement {
 static get properties() {
     imgSrc: { type: String },
     price: { type: Number },
     discount: { type: Number },
     rating: { type: Number },
 constructor() {
    super();
    this.title = '';
    this.imgSrc = '';
    this.price = 0;
    this.discount = 0;
```

```
render() {
  return html`
    <div class="container">
      <div class="img-container">
        <img id="product-image" src=${this.imgSrc} alt="No Image" />
      <h4 class="title">
static get styles() {
```

### todo-list-lit

```
static get properties() {
   prompt: { type: String },
constructor() {
  super();
  this.prompt = 'Add Task';
  this.todo list = [];
  this.input = "";
```

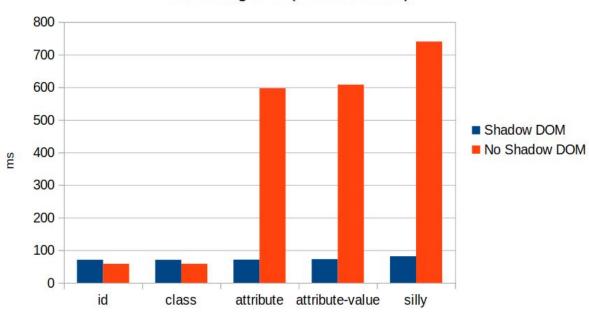
```
firstUpdated() {
  this.todo list = [this.item1, this.item2, this.item3];
  this.update(this.todo list);
remove item (idx) {
  this.todo list.splice(idx, 1);
  this.update(this.todo list);
add item() {
 if (this.input !== '') {
    this.todo list.push(this.input);
    this.input = "";
    this.update(this.input);
  } else { alert("No trates de agregar un item vacio"); }
```

```
${repeat(this.todo list, (item) => item, (item, index) => html`
          ${item}
       </div>
       <div class="item-button">
         <button @click=" ${() => this.remove item(index)}">Delete</button>
       </div>
     </div>
</div>
<input type="text" value=" ${this.input}" placeholder="new-item" @change= ${e =>
this.input = e.target.value}>
<button @click="${this.add item}" type="button">Add</button>
```

## **Shadow DOM**

### Rendimiento

### Rendering time (lower is better)



https://nolanlawson.com/2021/08/15/does-shadow-dom-improve-style-performance/

# **Comentarios**

