

A collection of various electronic components, including resistors, capacitors, integrated circuits, and other passive components, arranged on a white surface. A ruler is visible at the top. The text "WEB COMPONENTES" is overlaid in a large, blue, stylized font.

- `<template>` tag
- HTML imports
- Shadow DOM
- Custom Elements

<TEMPLATE>

```
'content' in document.createElement('template');
```

Activating <template>:

```
var t = document.querySelector('#aweTemplate');  
var clone = document.importNode(t.content, true);  
document.body.appendChild(clone);
```

DEMO

HTML IMPORTS

```
'import' in document.createElement('link');
```



```
const link = document.querySelector('link[rel=import]');  
const xkcd = link.import;  
// Access DOM of the document in aweTemplate  
const cartoon = xkcd.querySelector('img');
```

```
const aweDoc = document.currentScript.ownerDocument;
```

DEMO

SHADOW DOM

```
const supportsShadowDOMV1 = !!HTMLElement.prototype.attachShadow;
```

```
const host = document.body.createShadowRoot();  
host.innerHTML = "<p>I'm a <em>shadow</em> dom!</p>";  
document.appendChild(host);
```

DEMO

CUSTOM ELEMENTS

```
const supportsCustomElements = 'customElements' in window;
```

```
class AweElement extends HTMLElement {...}  
window.customElements.define('awe-element', AppDrawer);
```

```
window.customElements.define('awe-element',  
class extends HTMLElement {...});
```

```
class AweElement extends HTMLElement {  
  constructor() {  
    super(); // Don't forget  
    ...  
  }  
  connectedCallback() {  
    ...  
  }  
  disconnectedCallback() {  
    ...  
  }  
  attributeChangedCallback(attrName, oldVal, newVal) {  
    ...  
  }  
}
```



DEMO

Browser support



TEMPLATES



STABLE



STABLE



STABLE



STABLE



STABLE



IMPORTS



STABLE



STABLE



POLYFILL



ON HOLD



POLYFILL



ON HOLD



POLYFILL



CONSIDERING



CUSTOM ELEMENTS



STABLE



STABLE



POLYFILL



DEVELOPING



STABLE



POLYFILL



CONSIDERING



SHADOW DOM



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THANK YOU