

Web Components



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Web Components

Custom Elements

HTML Templates

Shadow DOM

ES Modules



Templates as strings in JavaScript

./js/index.js



```
const template = document.createElement('template')
template.innerHTML = `
  <div class='post'>
    <ul>
      <li class='active'>
        <a href='#'>The first link</a>
      </li>
      <li>
        <a href='#'>The second link</a>
      </li>
    </ul>
  </div>`
```

./js/index.js

```
const clone = template.content.cloneNode(true)
document.querySelector('body').appendChild(clone)
```

Custom Element



index.html

```
...  
<script type="module" src="./js/components/my-avatar/index.js"></script>  
<script type="module" src="./js/index.js"></script>  
</head>  
  
<body>  
  <my-avatar src="images/leitet.png"></my-avatar>  
...
```



Custom Element (timing in loading)



index.html

```
<script type="module" src="./js/components/my-avatar/index.js"></script>  
<script type="module" src="./js/index.js"></script>
```



./js/index.js

```
import './components/my-avatar/'
```



Custom Element (timing in loading)



index.html

```
<script type="module" src="./js/index.js"></script>  
<script type="module" src="./js/components/my-avatar/index.js"></script>
```



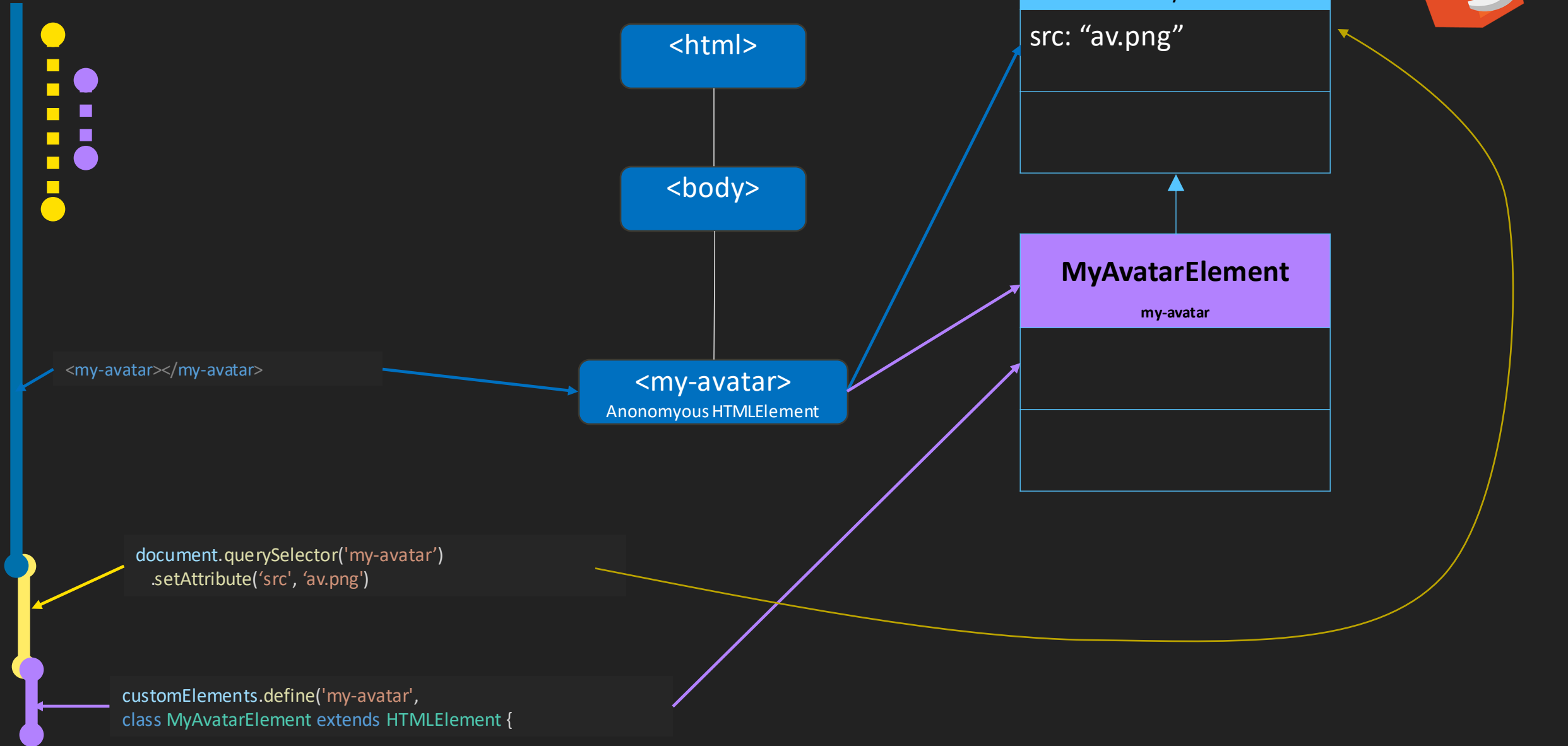
Custom Element (timing in loading)



`<my-avatar src="images/leitet.png"></my-avatar>`

`document.body.appendChild(document.createElement('my-avatar'))`

`customElements.define('my-avatar',
class MyAvatarElement extends HTMLElement {`



Naming Custom Elements

```
<Inu-avatar></Inu-avatar>
```



namespace

At least one hyphen (-)

Pick a namespace for your organization

Avoid less than three characters if your project is not widespread

