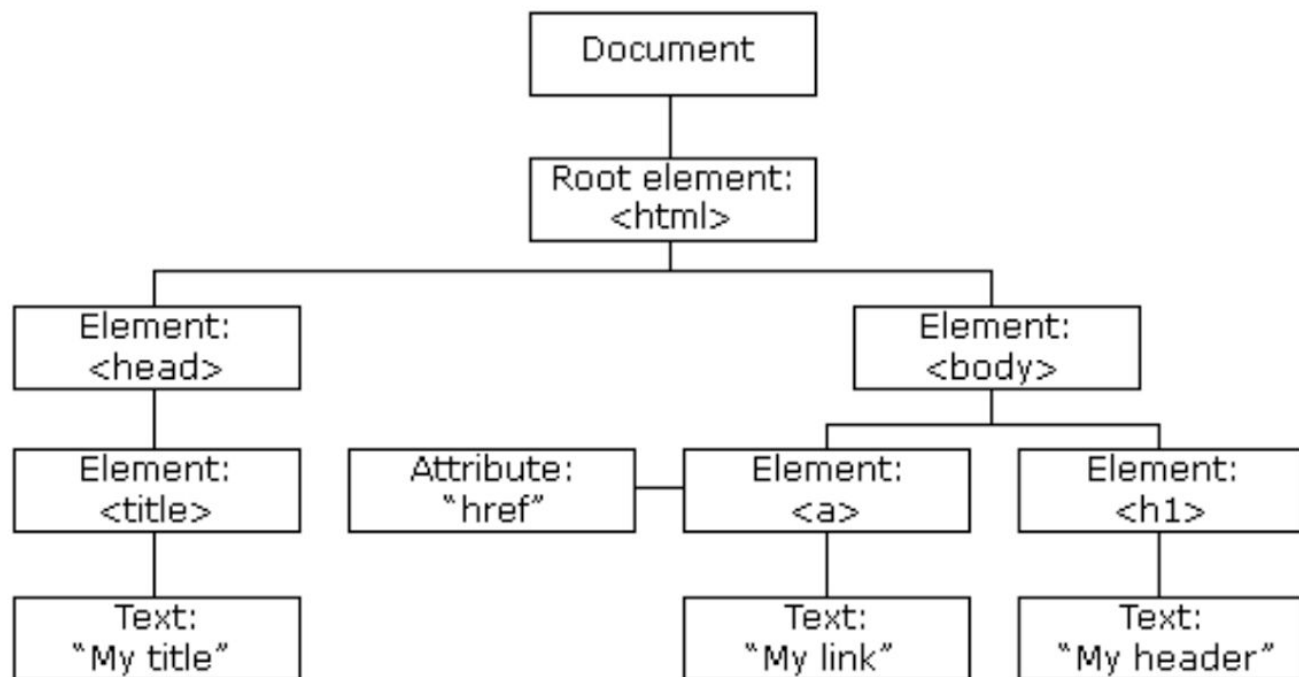


DOM

DOM - Document Object Model

- interface de programação para documentos HTML e XML;
- **permite alterar a estrutura, aparência e conteúdo** do documento;
- representação do documento em objetos no formato de árvore;
- fornece propriedades, métodos e eventos;
- o objeto principal do DOM é o ***document***;
- **por meio do DOM, utilizamos o JavaScript para interagir com o HTML;**

Árvore HTML



Objeto *document*

- `document;`
- `document.URL;`
- `document.title;`
- `document.head;`
- `document.body;`
- `document.links;`
- `...`

Seleccionar elementos

- `document.getElementById();`
- `document.getElementsByClassName();`
- `document.getElementsByName();`
- `document.getElementsByTagName();`
- `document.querySelector();`
- `document.querySelectorAll();`

Navegar entre elementos

- `element.children;`
- `element.childNodes;`
- `element.parentElement;`
- `element.parentNode;`
- `element.nextSibling;`
- `element.nextElementSibling;`
- `element.previousSibling;`
- `element.previousElementSibling;`

Manipular estrutura

- `document.createElement();`
- `element.remove();`
- `element.append();`
- `element.prepend();`
- `element.insertBefore();`
- `element.removeChild();`
- `element.replaceChild();`

Manipular conteúdo

- `element.textContent;`
- `element.innerText;`
- `element.innerHTML;`
- `element.outerHTML;`
- `input.value;`

Manipular aparência

- `element.style.backgroundColor;`
- `element.classList.add();`
- `element.classList.remove();`
- `element.classList.toggle();`

Manipular propiedades

- `element.setAttribute();`
- `element.getAttribute();`
- `element.removeAttribute();`

Eventos

- `element.addEventListener();`
 - `click, mouseenter, mouseleave, mousemove, mouseover, mousedown, mouseup, blur, focus, focusin, focusout, input, change, keypress, keydown, keyup, scroll;`
- `element.removeEventListener();`