

CHAPTER 7 – INTRODUCTION OF DOM

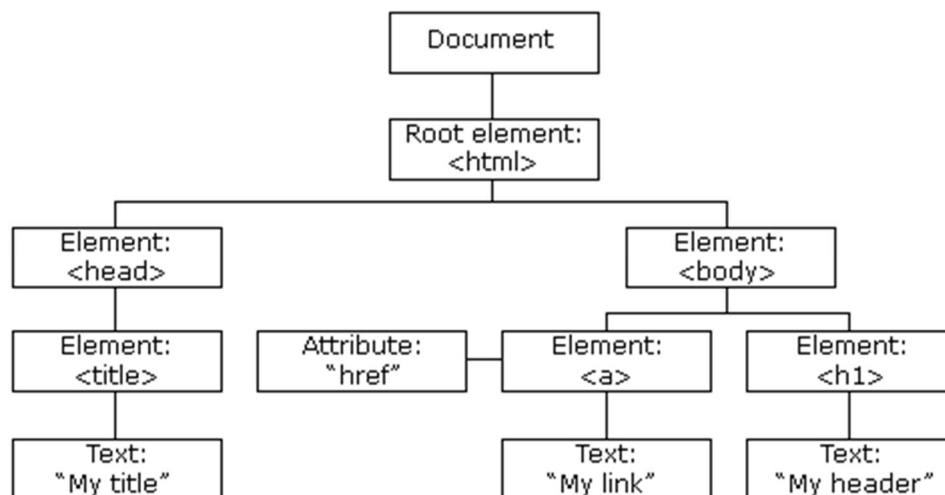
JS HTML DOM

With the HTML DOM, Javascript can access and change all the elements of an HTML Document.

The HTML DOM

When a web page is loaded, the browser creates a Document Object Model of the page.

The HTML DOM model is constructed as a tree of Objects :



With the object model, JavaScript gets all the power it needs to create dynamic HTML :

- JS can change all the HTML elements in the page.
- JS can change all the HTML attributes in the page.
- JS can change all the CSS styles in the page.
- JS can remove existing HTML elements & attributes.
- JS can add new HTML elements and attributes.
- JS can react to all existing HTML events in the page.
- JS can create new HTML events in the page.

What is the DOM?

The Document Object Model (DOM) is a platform and language-neutral interface that allows programs and scripts to dynamically access and update the content, structure, and style of a document.

The W3C DOM standard is separated into 3 different parts:

1. Core DOM – Standard Model for all document types.
2. XML DOM – Standard Model for XML documents.
3. HTML DOM – Standard Model for HTML documents.

What is the HTML DOM?

The HTML DOM is a standard object model and programming interface for HTML. It defines :

- The HTML elements as objects.
- The properties of all HTML elements.
- The methods to access all HTML elements.
- The events for all HTML elements.