Introduction to JavaScript DOM

I can use JavaScript to control the "DOM" (Document Object Model) of a webpage

Starter

Describe of an example where a website responded to something you did. What did you do? How did the website respond?

Languages of the Web

HTML

Provides structure and content for a website

CSS

Controls how a website looks

JavaScript

Gives a website functionality

Your Notes

- ❖ What is JavaScript DOM?
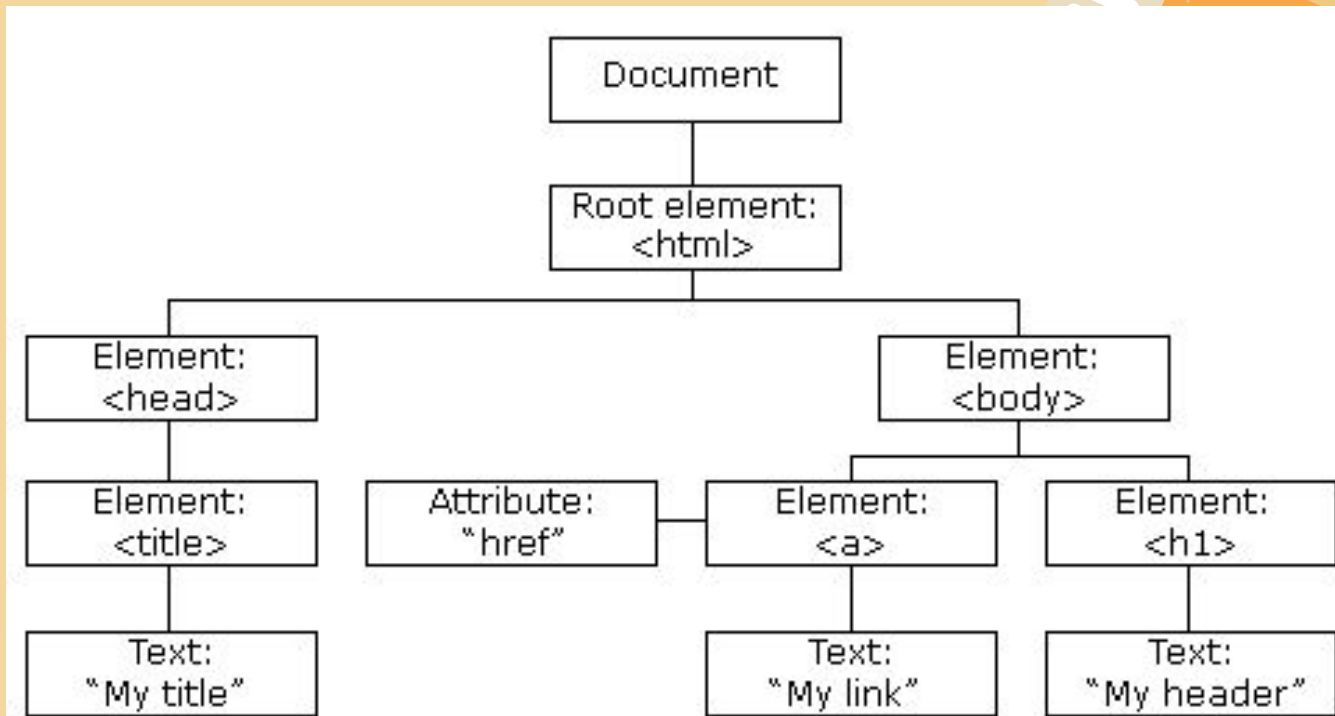- ❖ How do you add JS to a website using a script tag?

DOM

➢ The HTML DOM is a standard for how to get, change, add, or delete HTML elements.

   - [W3Schools](#)

DOM

➤ Represents HTML/CSS as a tree structure.

Document
|
Root element: <html>
├── Element: <head>
│   └── Element: <title>
│   └── Text: "My title"
└── Element: <body>
    ├── Attribute: "href" — Element: <a>
    │   └── Text: "My link"
    └── Element: <h1>
        └── Text: "My header"

Check for Understanding

Draw a DOM tree for the HTML code below:

```
<html>
    <title>Learning DOM</title>
    <body>
        <h1>Document Object Model</h1>
        <a href="http://w3schools.com">W3Schools</a>
    </body>
</html>
```
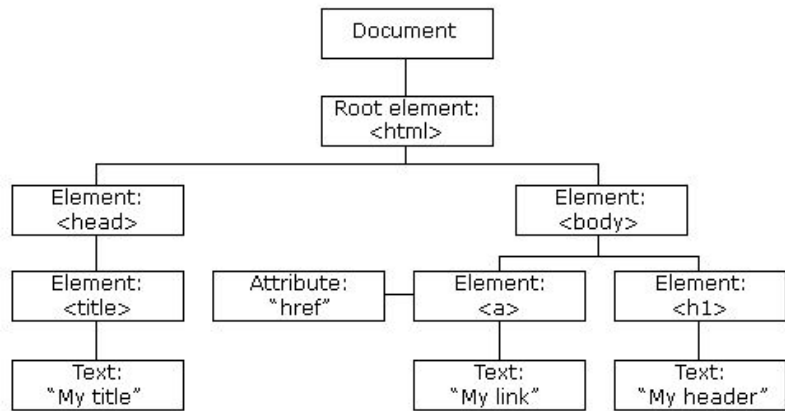
To Do

1. Read [How to Add JavaScript to HTML](#)
2. Create a new HTML/CSS/JS project in replit.
3. Add code to display the current date in your website. Use either a script tag or script file.
4. Submit your repl.it file on Google Classroom.

Resource:

[W3Schools DOM Elements](#)

Homework:

Complete any of the above activities that you did not finish in class.

Exit Ticket

❖ What are two ways you can add JavaScript to a website?

Standards

❖ 9-12.CT.4 Implement a program using a combination of student-defined and third-party functions to organize the computation