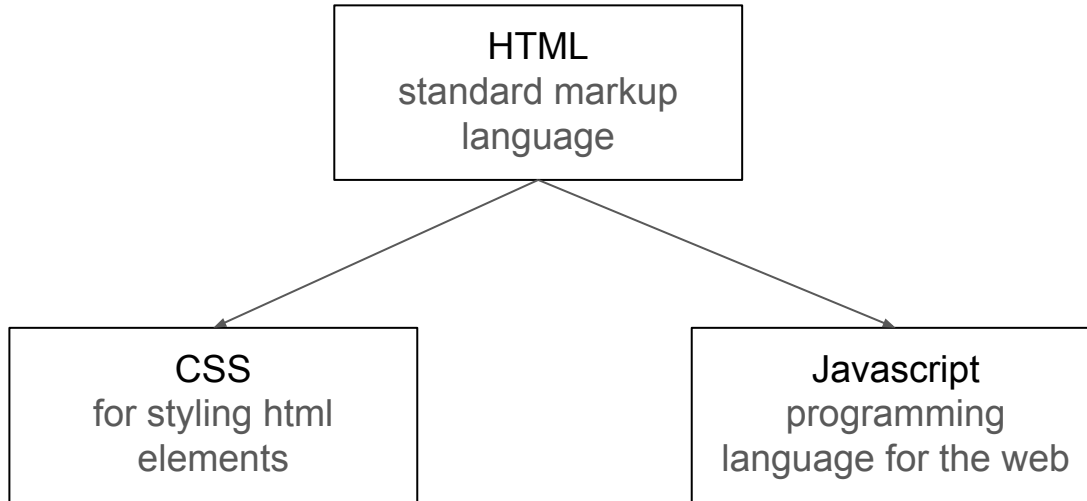


# Frontend Dev Roadmap

Darell (Digitalinkr)

# The First Steps



# HTML

- stands for Hyper Text Markup Language
- the standard markup language for creating Web pages
- describes the structure of a Web page
- consists of a series of elements
- elements tell the browser how to display the content
- elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

- <https://www.w3schools.com/html/>

# Example Markup

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Page Title</title>
```

```
  </head>
```

```
  <body>
```

```
    <h1>This is a Heading</h1>
```

```
    <p>This is a paragraph.</p>
```

```
  </body>
```

```
</html>
```

# Output



## **This is a Heading**

This is a paragraph.

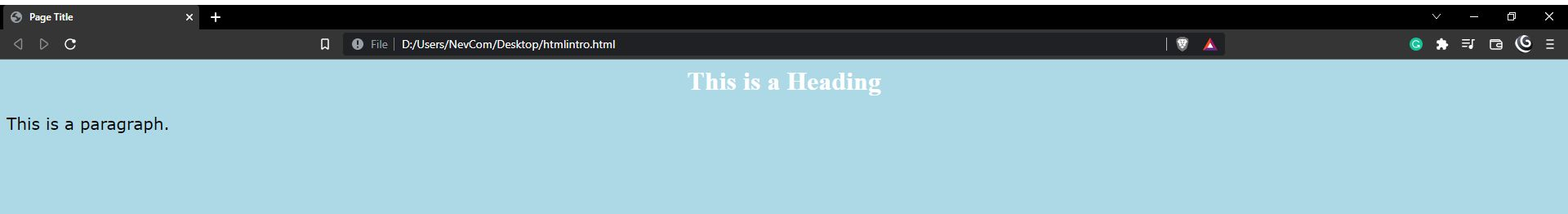
# CSS

- CSS stands for Cascading Style Sheets
  - CSS describes how HTML elements are to be displayed on screen, paper, or in other media
  - CSS saves a lot of work. It can control the layout of multiple web pages all at once
  - External stylesheets are stored in CSS files
- <https://www.w3schools.com/css/>

# Example Style Rule

```
body {  
  
    background-color: lightblue;  
  
}  
  
h1 {  
  
    color: white;  
  
    text-align: center;  
  
}  
  
p {  
  
    font-family: verdana;  
  
    font-size: 20px;  
  
}
```

# Output





# JavaScript

- programming language of the web
  - program the behavior of web pages
  - Can Change HTML Content
  - Change HTML Attribute Values
  - Can Change HTML Styles (CSS)
  - Can Show/Hide HTML Elements
- 
- <https://www.w3schools.com/js/>

# JavaScript Can Change HTML Content

```
<!DOCTYPE html>

<html>

<body>

    <h2>What Can JavaScript Do?</h2>

    <p id="demo">JavaScript can change HTML content.</p>

    <button type="button" onclick='document.getElementById("demo").innerHTML = "Hello
    JavaScript!'">Click Me!</button>

</body>

</html>
```

[https://www.w3schools.com/js/tryit.asp?filename=tryjs\\_intro\\_inner\\_html](https://www.w3schools.com/js/tryit.asp?filename=tryjs_intro_inner_html)

# JavaScript Can Change HTML Attribute Values

```
<!DOCTYPE html>

<html>

<body>

<h2>What Can JavaScript Do?</h2>

    <p>JavaScript can change HTML attribute values.</p>

    <p>In this case JavaScript changes the value of the src (source) attribute of an image.</p>

    <button onclick="document.getElementById('myImage').src='pic_bulbon.gif'">Turn on the light</button>

    <button onclick="document.getElementById('myImage').src='pic_bulboff.gif'">Turn off the light</button>

</body>

</html>
```

[https://www.w3schools.com/js/tryit.asp?filename=tryjs\\_intro\\_lightbulb](https://www.w3schools.com/js/tryit.asp?filename=tryjs_intro_lightbulb)

# JavaScript Can Change HTML Styles (CSS)

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
    <h2>What Can JavaScript Do?</h2>
```

```
    <p id="demo">JavaScript can change the style of an HTML element.</p>
```

```
    <button type="button" onclick="document.getElementById('demo').style.fontSize='35px'">Click  
    Me!</button>
```

```
</body>
```

```
</html>
```

[https://www.w3schools.com/js/tryit.asp?filename=tryjs\\_intro\\_style](https://www.w3schools.com/js/tryit.asp?filename=tryjs_intro_style)

# JavaScript Can Hide HTML Elements

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
    <h2>What Can JavaScript Do?</h2>
```

```
    <p id="demo">JavaScript can hide HTML elements.</p>
```

```
    <button type="button" onclick="document.getElementById('demo').style.display='none'">Click Me!</button>
```

```
</body>
```

```
</html>
```

[https://www.w3schools.com/js/tryit.asp?filename=tryjs\\_intro\\_hide](https://www.w3schools.com/js/tryit.asp?filename=tryjs_intro_hide)

# JavaScript Can Show HTML Elements

```
<!DOCTYPE html>

<html>

<body>

    <h2>What Can JavaScript Do?</h2>

    <p>JavaScript can show hidden HTML elements.</p>

    <p id="demo" style="display:none">Hello JavaScript!</p>

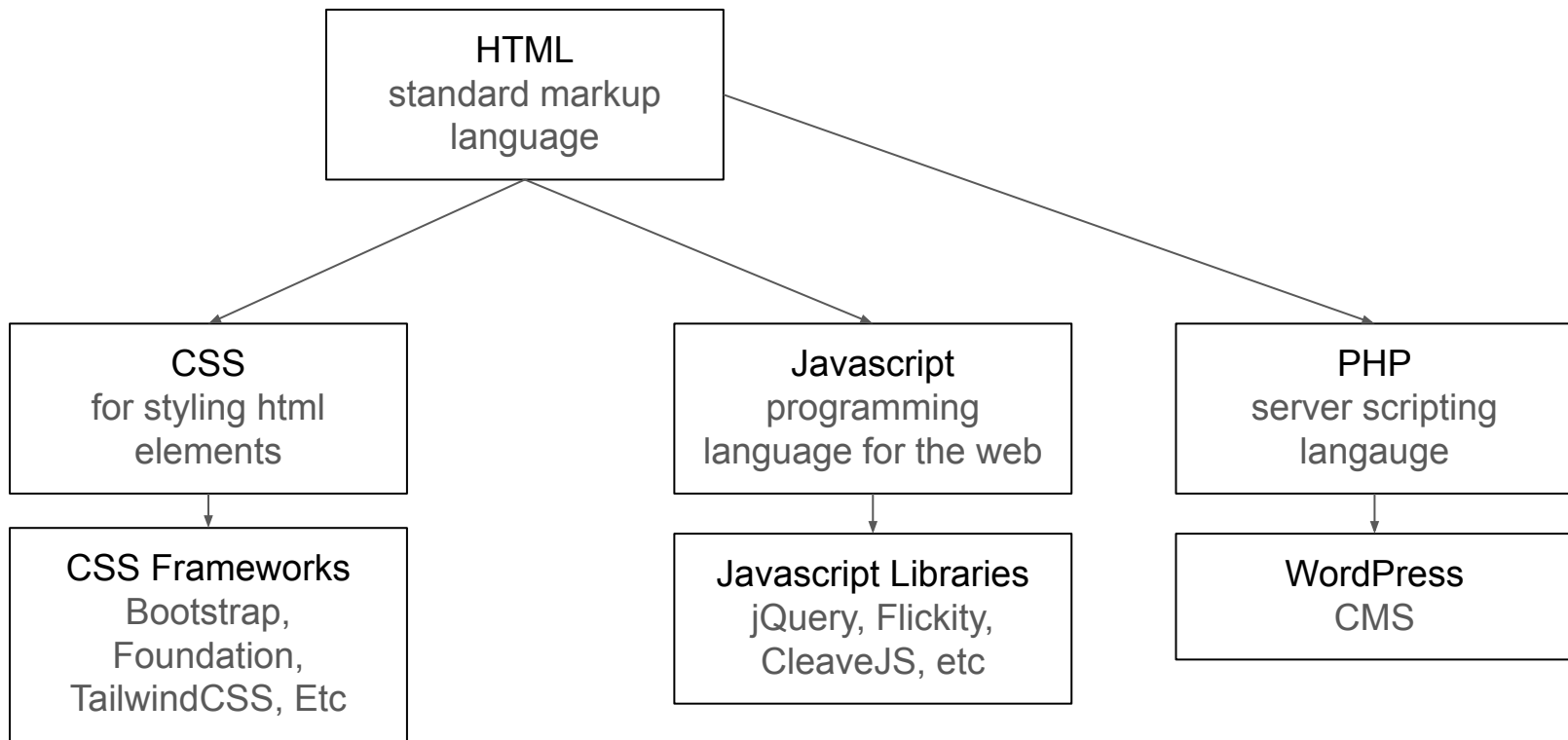
    <button type="button" onclick="document.getElementById('demo').style.display='block'">Click Me!</button>

</body>

</html>
```

[https://www.w3schools.com/js/tryit.asp?filename=tryjs\\_intro\\_show](https://www.w3schools.com/js/tryit.asp?filename=tryjs_intro_show)

# What's Next?



# Tips

- Set a schedule for learning
- Take your time. Learn at your own pace
- Test your ideas
- Be patient. You are halfway there.



***“A journey of a thousand miles begins with a single step”***

# Thank You!

Check our page for trainings and schedules.

# References

- <https://roadmap.sh/frontend>
- <https://www.w3schools.com/html>
- <https://www.w3schools.com/css>
- <https://www.w3schools.com/js>
- <https://www.w3schools.com/php>
- <https://www.php.net/>
- <https://wordpress.org/>