Document Generated: 12/11/2025

Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration: 3 Hours

Dynamic and Interactive Web Pages - Beginners JavaScript DOM

About this Course:

Scope of this course is to cover JavaScript and how it can be used to select elements from the web page. Create new element, updates elements and manipulate elements directly using JavaScript. Explore how easy it is to make your website come to life. Using the DOM Document Object Model connect to the elements via JavaScript.

Course Objectives:

- Explore how JS can be added to web pages
- Learn about console and debugging with JavaScript
- Find out more about DOM Document Object Model
- Use JavaScript to select elements from the page
- Select multiple elements from the page
- Update element attributes
- Update element style properties and values
- Add classes and manipulate element class values.
- Learn how to create elements using JavaScript and add them to a webpage
- Create interaction using event listeners in JavaScript
- Form values
- Mini projects to highlight what was learned
- Source code is included

Audience:

- Web developers
- Web designers
- Anyone who wants to learn how to make interactive web applications

Prerequisites:

- HTML and CSS
- Basics of JavaScript coding
- Desire to learn JavaScript
- Fundamental JavaScript

Course Outline:

This Course Includes:

- Introduction to JavaScript DOM course
- Setup Developer Environment
- Create an Index Page
- Script File JS
- Console Log Options
- JS Document Object
- Selecting Elements
- Selection by Tag
- QuerySelector
- QuerySelectorAll
- Complex CSS querySelectorAll
- Update Images
- ChildNodes Children and More
- Element Style Update
- Multi Element Style Update
- Add Classes to Elements
- Set Attribute

- JavaScript Create Element
- Append and Prepend
- AddEvent Listeners
- AddEvent Multiple Listeners
- Mouse Move Events
- Fun with Images
- Form Values
- Annoying Blinker
- Animation JavaScript
- DOM Conclusion

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