

JavaScript for Dynamic Web Development (Level 2)

Course Objectives

This course provides a solid foundation in JavaScript programming, focusing on data types, functions, and interaction with HTML elements. Students will learn how to add interactivity to their web pages and manipulate DOM elements for dynamic content.


Target Audience:

- Web developers
- Students familiar with HTML/CSS who want to learn JavaScript
- Developers transitioning to frontend JavaScript

About the Course

Number of Hours: 20

Mode of Study: In-person (3 Days) or Online (2 Weeks, 10 h/w)

Location: United Kingdom, London 

Pre-requisite: HTML and CSS programming knowledge is required for this training

Course Description

- **Dialogues in JavaScript:** Explore how to interact with users using `alert()`, `confirm()`, and `prompt()`, and best practices for user-friendly dialogues.
- **Data Types in JavaScript:** Introduction to primitive and complex data types, dynamic typing, and the type of operator.
- **Numbers in JavaScript:** Learn about different number types (decimal, hexadecimal, NaN), conversions, numeric problems like double precision, and built-in number functions.
- **Strings in JavaScript:** Manipulate strings using methods like `trim()`, `split()`, `join()`, and explore regular expressions (RegExp).
- **Boolean Values:** Understand boolean logic, truthy vs. falsy values, and logical operators.
- **Special Values:** Work with special values like null and undefined and understand their use cases.
- **The Date Object:** Learn to create, manipulate, and format dates in JavaScript.
- **Arrays in JavaScript:** Learn array basics, including creating, modifying, and accessing elements, and array methods like `push()`, `pop()`, `concat()`, and `splice()`.
- **Functions in JavaScript:** Learn about function statements, expressions, anonymous functions, and advanced topics like callbacks, hoisting, and closures.

Learning Outcomes:

By the end of the training, you will be able to:

- Add interactivity to web pages using dialogues and user input
- Understand and work with JavaScript data types, numbers, and strings
- Manipulate arrays, functions, and handle special values in JavaScript

Equipment:

You only need a personal laptop with a Text editor (VS Code, Sublime) and a web Browser (Chrome).

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- ✓ Value for money training
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