KIDS & TEENS FREELANCING TRAINING INSTITUTE

JavaScript Course Outline

Module 1: Introduction to JavaScript

- What is JavaScript and why it's important for websites
- Real-life example: Making a button that shows a hidden message
- How JavaScript makes websites interactive and fun
- The difference between HTML, CSS, and JavaScript
- Activity: Write your first "Hello World" JavaScript alert

Module 2: Basic Concepts and Syntax

- Learning variables, data types, and simple operations
- Real-life example: Keeping track of your score in a game
- How to write and run JavaScript code inside a web page
- Introduction to comments and basic best practices
- Activity: Create a simple script that adds two numbers

Module 3: Functions and Events

- What functions are and why they make coding easier
- Real-life example: Clicking a button to change text
- Handling events like clicks, hovers, and key presses
- Understanding how browsers react to your actions
- Activity: Make a button that changes the background color when clicked

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Module 4: Conditions and Loops

- How to make decisions with if-else statements
- Real-life example: A quiz app that checks right or wrong answers

- How loops help you repeat actions automatically
- Using for and while loops in simple projects
- Activity: Create a loop that counts from 1 to 10 in the console

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Module 5: Arrays and Objects

- Storing lists of data using arrays
- Real-life example: Keeping a list of favorite movies
- Grouping related data with objects
- Accessing and updating array and object values
- Activity: Create an array of your top 5 favorite foods and display them

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Module 6: The DOM – Making Webpages Interactive

- What is the DOM (Document Object Model)?
- Real-life example: Changing the headline of a page dynamically
- Selecting and changing webpage elements with JavaScript
- How to add, delete, and modify content on the fly
- Activity: Make a "Click to Hide" and "Click to Show" section

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Module 7: Small Projects Using JavaScript

- Real-life mini-projects like a calculator or a to-do list
- Combining functions, loops, arrays, and events
- Building interactivity step-by-step
- Testing and improving your code
- Activity: Build a mini to-do list where you can add and delete tasks

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Module 8: Final Project – Your First Interactive Website

- Create a mini interactive website using everything you've learned
- Real-life example: A small personal portfolio page with buttons and forms
- Adding basic animations and interactive features
- Activity: Present your final JavaScript project to friends or mentors

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Bonus Materials

- Quick JavaScript syntax guide
- List of common JavaScript mistakes and how to fix them
- Fun coding challenge ideas to practice
- Ready-to-use project templates
- Certificate of Completion for JavaScript Basics