CODOJO

Course Overview: Web Development

Phase 1: Front-End Web Development (Sessions 1-45)

HTML Basics (Sessions 1-9)

Basics of HTML: structure, tags, headings, paragraphs, links, images, lists, and tables.

Projects: Simple webpage structure (e.g., a personal bio page).

CSS Fundamentals (Sessions 10-18)

Introduction to CSS, styling basics, selectors, box model, layout techniques, and responsive

design.

Projects: Design a simple portfolio and a blog homepage.

Advanced HTML & Multimedia (Sessions 19-24)

Forms, multimedia elements, embedding audio and video, and using SVG graphics.

Projects: A multimedia site, an online survey form.

CSS Advanced & Animations (Sessions 25-30)

Advanced layout with Flexbox and Grid, transitions, animations, and CSS variables.

Projects: Animations for a personal website (e.g., an animated portfolio page).

JavaScript Basics (Sessions 31-39)

Introduction to JavaScript, variables, functions, events, and DOM manipulation.

Projects: Interactive image gallery, dynamic to-do list.

JavaScript & Interactive Elements (Sessions 40-45)

Working with loops, arrays, functions, and integrating with HTML/CSS.

Projects: Create a quiz app, interactive website features (e.g., a pop-up or slider).

Phase 2: Advanced Front-End Development (Sessions 46-90)
Bootstrap & Responsive Design (Sessions 46-51)

Working with Bootstrap's grid system, components, and utilities for responsive web

design.

Projects: Redesign a website for mobile responsiveness.

JavaScript Advanced & Introduction to React (Sessions 52-60)

ES6 features, working with APIs, fetch requests, and starting with React basics.

Projects: A weather app fetching data from a public API.

React Components & State Management (Sessions 61-70)

Understanding React components, props, state, and event handling.

Projects: Create a dynamic React-based todo list, a counter app.

React Advanced: Routing & Deployment (Sessions 71-80)

React Router for navigation, managing single-page applications, and deploying apps.

Projects: Build a React website with multiple pages and deploy it.

Capstone Projects & Final Deployment (Sessions 81-90)

Full project cycle: Planning, designing, coding, and deploying a front-end app.

Projects: Portfolio website, interactive blog site, or a mini e-commerce store using React.

The Codojo Promise

Kids who do well in coding, do much better at school!