KIDS & TEENS FREELANCING TRAINING INSTITUTE

Vue JS Course Outline

Module 1: Introduction to Vue.js

- What is Vue.js and why developers love it
- Real-life example: Instantly updating a shopping cart total
- How Vue.js makes building dynamic websites simpler
- The idea of "reactive" web pages
- Activity: Set up your first basic Vue app

Module 2: Vue Instance and Data Binding

- What is the Vue instance and how it controls the page
- Real-life example: Changing your profile name live as you type
- How to bind data using `{{ }}` (double curly braces)
- Introduction to `data`, `methods`, and `mounted`
- Activity: Create a simple app that updates a greeting dynamically

Module 3: Handling Events in Vue

- How to capture clicks, inputs, and form submissions
- Real-life example: Clicking a "Like" button and counting likes
- Using `v-on` and event listeners
- Handling user interaction easily
- Activity: Make a button that updates a message when clicked

Module 4: Conditional Rendering and Loops

- Showing, hiding, and looping through items dynamically
- Real-life example: Displaying a to-do list that updates live

- Using `v-if`, `v-else`, and `v-for`
- How to manage lists and conditions smartly
- Activity: Build a list of your favorite books and show/hide it

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Module 5: Components in Vue

- What are components and why they are important
- Real-life example: Reusing the same "card" layout for products
- Creating and using simple Vue components
- Passing data with props
- Activity: Create a reusable card component for a profile

Module 6: Forms and Two-Way Binding

- Making smart forms with `v-model`
- Real-life example: Filling a feedback form that updates live
- Binding inputs, checkboxes, and select dropdowns
- Validating and managing form data
- Activity: Create a live signup form with name and email fields

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Module 7: Building a Small App with Vue.js

- Combine templates, components, and data into a working app
- Real-life example: A simple notes app with add/delete functionality
- Structuring your Vue project folders
- Testing and fixing small bugs
- Activity: Build and style your own mini app

Module 8: Final Project – Your First Vue Web App

- Plan and develop a complete mini Vue.js project
- Real-life idea: A mini blog or product showcase app
- Organizing components, styling, and deploying
- Activity: Present your final Vue.js project to classmates or friends

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Bonus Materials

- Vue.js cheat sheet (directives, methods, lifecycle hooks)
- List of awesome free Vue.js templates
- Common mistakes beginners make in Vue.js
- Challenge tasks: Build a weather app using API
- Certificate of Completion for Vue.js Fundamentals