KIDS & TEENS FREELANCING TRAINING INSTITUTE

React Native Training Course Outline

Module 1: Introduction to React Native

- What is React Native and why it's great for mobile app development
- Real-life example: Building an app that works on both Android and iOS
- How React Native uses JavaScript to build native mobile apps
- Setting up your development environment (Node.js, React Native CLI, Expo)
- Activity: Create your first "Hello World" app using React Native

Module 2: React Native Components and JSX

- What are components and how they structure your app
- Real-life example: A phone app screen made up of buttons and text (components)
- Understanding JSX and how it differs from HTML
- Creating simple components like `<View>`, `<Text>`, `<Button>`
- Activity: Build a basic screen layout with React Native components

Module 3: Styling in React Native

- How to style components using `StyleSheet`
- Real-life example: Decorating a room with colors and furniture (styling)
- Understanding flexbox for layout in React Native
- Activity: Style your app screen with colors, fonts, and padding

Module 4: Navigating Between Screens

- Introduction to React Navigation and why it's important
- Real-life example: A menu to switch between pages (app navigation)
- Setting up stack and tab navigation

- Activity: Create an app with multiple screens and navigation

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Module 5: Working with User Input

- How to handle text input and button presses in React Native
- Real-life example: A calculator app where users enter numbers and press buttons
- Using `<TextInput>` and `<Button>` components
- Activity: Build a simple login form with text inputs

Module 6: Fetching Data from APIs

- Introduction to API calls and how they connect your app to the web
- Real-life example: A weather app that gets real-time data from an API
- Using `fetch()` to retrieve data and display it in the app
- Activity: Build an app that fetches and displays random jokes from an API

Module 7: Managing State with React Native

- What is state and why it's important for app functionality
- Real-life example: A to-do list where you add and remove tasks (state management)
- Using `useState()` and `useEffect()` to manage app state
- Activity: Build a to-do list app that allows adding and removing tasks

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Module 8: Final Project – Build a Complete React Native App

- Plan and build a simple mobile app using React Native
- Use navigation, forms, data fetching, and state management
- Test your app on Android and iOS simulators
- Activity: Present your project, explaining the key features

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Bonus Materials

- React Native development environment setup guide
- List of useful React Native libraries and tools
- Sample React Native project templates for practice
- Interactive coding challenges and quizzes

- Certificate of Completion for React Native Basics