

## Beginning Frontend Development with React

Duration: 1 Day Course Code: GK0781

### Overview:

This is a 1-day course packed with the perfect balance of theory and hands-on activities that will help you get started with React. React is widely used to create fast and reusable user interface components. It has been remarkably successful in recent years, since it is easy to use and offers a coherent design model. React's ease of use depends on an actual understanding of the core concepts of the library. By exploiting these concepts, you can build a high-quality design interface. You'll find helpful tips and tricks, as well as useful self-assessment material, exercises, and activities to help benchmark your progress and reinforce what you've learned.

### Target Audience:

You should have a strong JavaScript background, ES2015 or later, along with knowledge of HTML. Basic knowledge of Node.js may be useful for managing the local development environment, but it is not mandatory.

### Objectives:

- This course begins with the introduction of basic concepts of ReactJS library and takes you to building complex user interfaces. Here are the important topics that this course will cover:
- Create components and combine them together to build other components
- Use JSX declaratives to describe how a component should look
- Manage a component's internal state
- Manage interaction events
- Exploit component lifecycle events
- Manage navigation between high-level components
- Design user interfaces by making the most of React's features

### Content:

#### Lesson 1: Introducing React and UI Design

- What is React?
- How to Set Up a React-Based Application
- How to Design a UI

#### Lesson 2: Creating Components

- Definition of a Component
- Using JSX
- Composing Components
- Data Propagation
- Managing the Internal State

#### Lesson 3: Managing User Interactivity

- Managing User Interaction
- Component Lifecycle Events
- Managing Routing

### Further Information:

For More information, or to book your course, please call us on 0800/84.009

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