

# Introduction to Vue.js

Course code: JS\_VUE1

In this tutorial, we will learn about the popular Javascript framework Vue.js. The course focuses on understanding the concept of Vue.js and its basic functionality, and we will create a simple single page application. You will learn how to use routing, get familiar with the application lifecycle and state management, and learn how to work with forms and other helper libraries.

## What we will teach you

- We will teach you how to create your own simple applications in Vue.js
- You will learn how to use routing and get familiar with application lifecycle and state management
- Learn how to work with forms and other helper libraries

## Who this course is for:

- This course is for developers who want to learn how to work with the latest javascript framework, Vue.js.

## Required prerequisite knowledge

- The course assumes a basic knowledge of JavaScript versions ES5 and ES6 at the JS\_PROG1 and JS\_ES6 course level.

## Course outline

### Introduction

- What is Vue.Js?
- History of the framework
- Comparison with other frameworks

### Theoretical part

- Data presentation
- Variable interpolation and data display
- Built-in directives
- Rendering of more complex data types

### Working with data

- Data binding
- Calling actions
- Events

### Using lifecycle hooks

- BeforeCreate
- Created
- BeforeMount
- Mounted and more

### Routing

- SPA routing basics
- Dynamic routing and history
- Global components

### Vuex - state management

- What is vuex?
- What is state management pattern
- State &&Getters
- Actions and mutations

### Forms

- Form Validation

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# Introduction to Vue.js

- Submitting a form
- Error handling

## Auxiliary libraries

- Vue CLI
- Vue Router
- Vue DevTools
- Nuxt.js

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