

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

GOPAS Praha

Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk



Copyright © 2026 GOPAS, a.s.,
All rights reserved

Introduction to Vue.js

- Submitting a form
- Error handling

Auxiliary libraries

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

GOPAS Praha
Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk



Copyright © 2026 GOPAS, a.s.,
All rights reserved