

# Vue.js - basic course

Course code: VUEJS1

In this course, we will get to know the popular Javascript framework Vue.js. The course is focused on understanding the concept of Vue.js and its basic functionality, while we will create a simple single page application as part of the course. You will learn how to use routing, you will become familiar with the application life cycle and state management, and you will also learn to work with forms and other auxiliary libraries.

## What we will teach you

- We will teach you to create your own simple applications in Vue.js
- You will learn to use routing and become familiar with the application life cycle and state management
- You will learn to work with forms and other helper libraries

## For whom the course is intended:

- The course is intended for developers who want to learn to work with the latest javascript framework Vue.js

## Required entry skills

- The course assumes basic knowledge of JavaScript version ES5 and ES6 at the INTJS and JS\_ES6 course level

## Teaching methods

- Expert interpretation with practical examples, exercises on computers.

## Studying materials

- Online presentation of discussed material and exercises.

## Course outline

### Introduction

- What is Vue.Js?
- Framework history
- Comparison with other frameworks

### The theoretical part

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

### Work with data

- Data binding
- Calling actions
- Events

### Using lifecycle hooks

- BeforeCreate
- Created
- BeforeMount
- Mounted and more

### Routing

- Basics of routing in SPA
- Dynamic routing and history
- Global components

### Vuex - state management

- What is vuex?
- What is a state management pattern
- State &&Getters

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- Actions and mutations

## Forms

- Validation of forms
- Form submission
- Error handling

## Auxiliary libraries

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

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