

# LU03a - W3School Tutorial's Overview

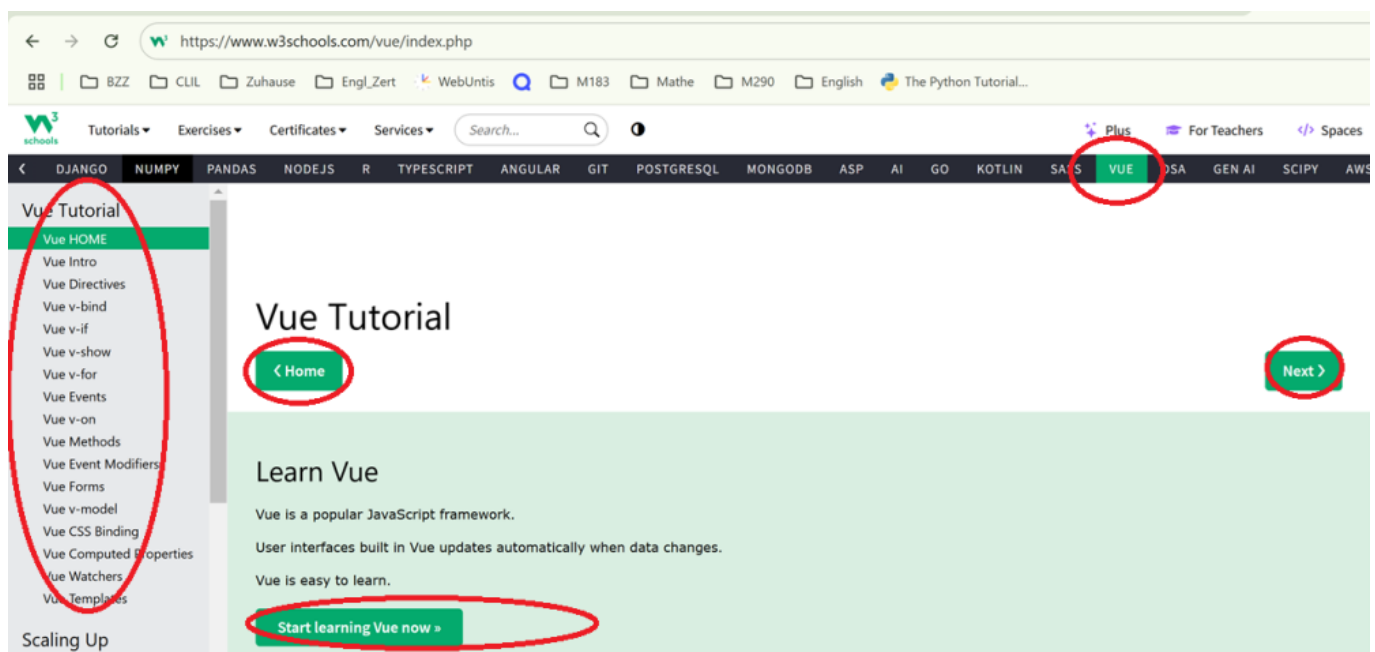
Source: [W3Schools](#) | [Vue](#)

## Learning Objectives

1. Know how to access to the learning material.
2. Identification of the structure/chapters of the learning material.
3. Know which functionalities the W3School tutorial offers.

## Overview

The W3School offers us a range of useful tutorials that are both well structured and freely accessible. As shown in the image below, the W3 School tutorials website offers various features.



| Area                     | function                         | description   |
|--------------------------|----------------------------------|---|
| upper part of the window | the navigation bar               | vue can be found on the far right-hand side   |
| left menu                | all sub chapters of the tutorial | including practical exercises and control questions   |
| middle section           | navigation buttons               | <b>Home</b> , <b>Previous</b> and <b>Next</b> button for smooth navigation between the subpages |
| middle bottom            | tryout area                      | online area for hands on exercises  |

## Details

If we **start learning vue now** we get to the details area of the vue tutorial, as visible in the image

below:

HOW TO

W3.CSS

C

C++

C#

BOOTSTRAP

REACT

MYSQL

JQUERY

EXCEL

XML

DJANGO

NUMPY

PANDA

Vue teleport

Vue HTTP Request

Vue Template Refs

Vue Lifecycle Hooks

Vue Provide/Inject

Vue Routing

Vue Form Inputs

Vue Animations

Vue Animations with v-for

Vue Build

Vue Composition API

Vue Reference

Vue Built-in Attributes

Vue Built-in Components

Vue Built-in Elements

Vue Component Instance

Vue Directives

Vue Instance Options

Vue Lifecycle Hooks

Vue Examples

Vue Examples

Vue Exercises

Vue Quiz

Vue Syllabus

Vue Study Plan

Vue Server

Vue Certificate

v-bind

Connects an attribute in an HTML tag to a data variable inside the Vue instance.

v-if

Creates HTML tags depending on a condition. Directives v-else-if and v-else are us

v-show

Specifies if an HTML element should be visible or not depending on a condition.

v-for

Creates a list of tags based on an array in the Vue instance using a for-loop.

v-on

Connects an event on an HTML tag to a JavaScript expression or a Vue instance method react to a certain event by using event-modifiers.

v-model

Used in HTML forms with tags like <form> , <input> and <button> . Creates a two way property.

Example: The v-bind Directive

The browser finds what class to connect the <div> element to from the Vue instance.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <style>
    .pinkBG {
      background-color: lightpink;
    }
  </style>
</head>
<body>

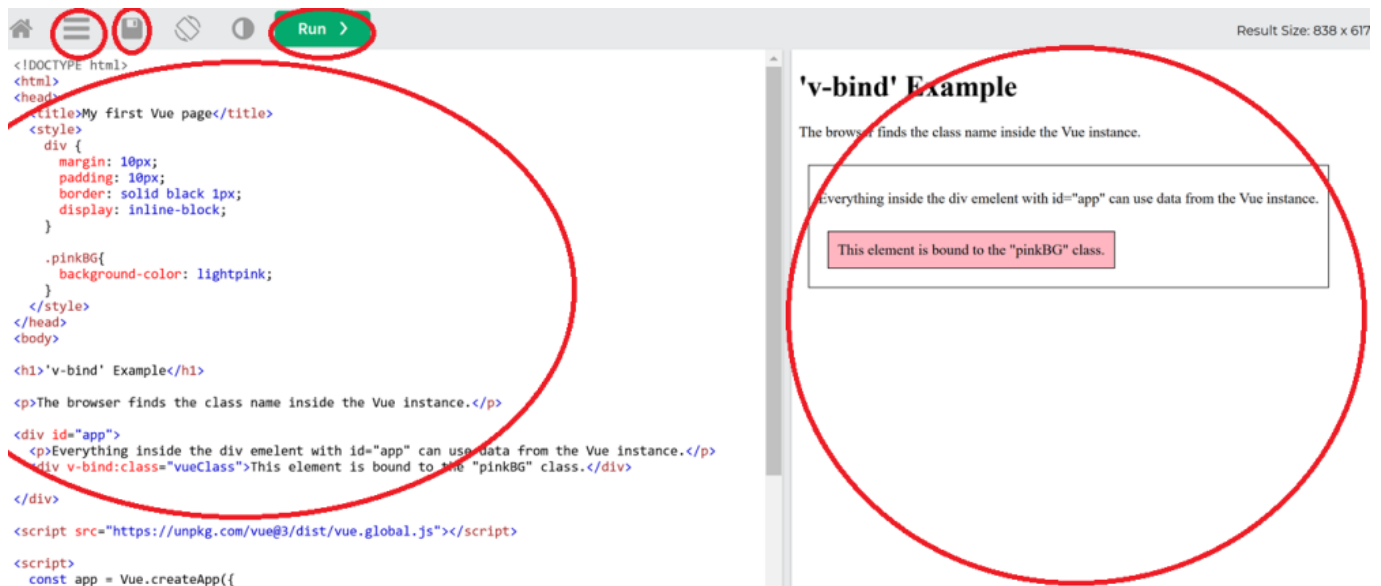
  <div id="app">
    <div v-bind:class="vueClass"></div>
  </div>
```

| Area                     | function                 | description  |
|--------------------------|--------------------------|--|
| upper part of the window | overview to the function | explanations to the vue function of discussion                     |
| lower part of the window | details and example      | details and practical example of how to use the function concerned |
| left lower section       | additional material      | Exercises with pracitcal example, a sandbox to mess around         |

Be advised, that the **quiz** and the **Exercises** part are most interesting, since it can happen that similiar questions may appear in the next exam!!

## Sandbox

Pressing the **Try it yourself** button takes us to the area where we can try out the functions of vue without having it installed on our notebook. This is very convenient, as we can practice immediately.



| Area                     | function    | description   |
|--------------------------|-------------|---|
| upper part of the window | menu bar    | save, run and further options   |
| left part                | coding area | area for coding vue components  |
| right section            | result area | the result of the code of the left area is displayed here, meaning it simulates the browser |

## Vocabulary

| English        | Deutsch                   |
|----------------|---------------------------|
| to make round  | abrunden                  |
| be advised     | Beachten Sie              |
| to mess around | herumalbern, herumspielen |
| sandbox        | Sandkasten                |



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