LU03a - W3School Tutorial's Overview
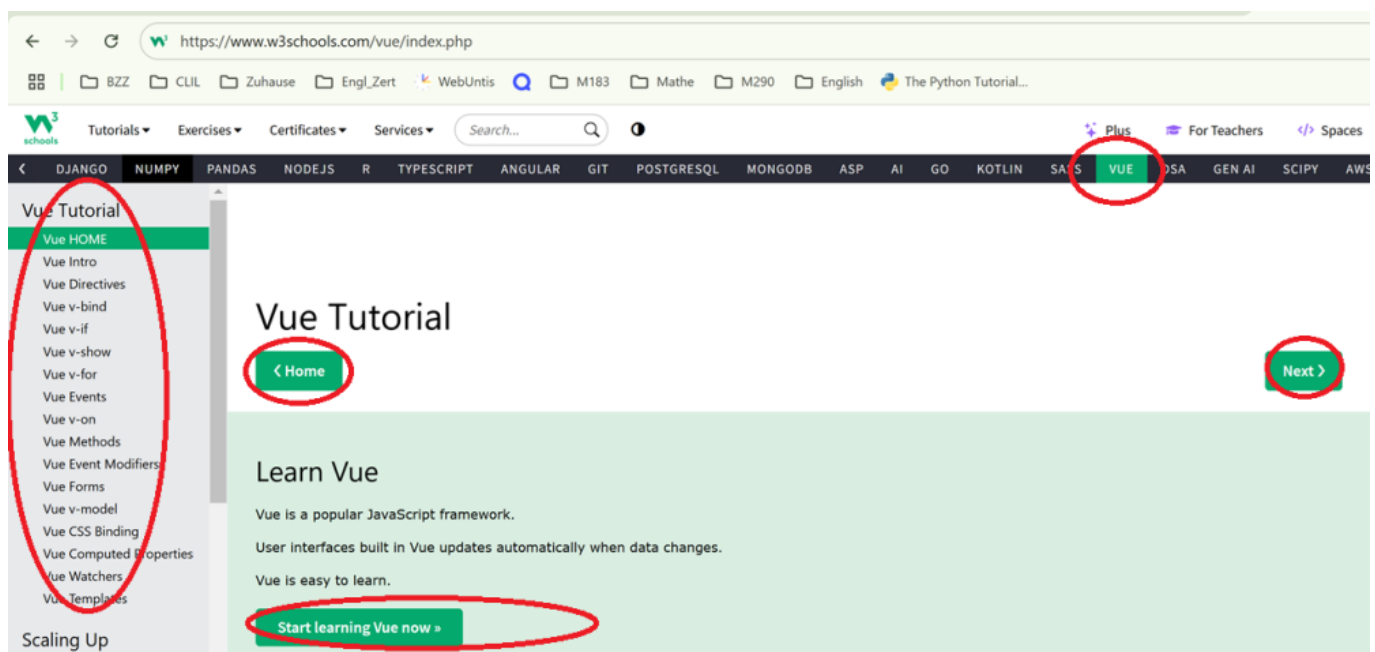
Source: W3Schools | Vue

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	**Home**, **Previous** and **Next** button for smooth navigation between the subpages
middle bottom	tryout area	online area for hands on exercises

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 | PAND/ |

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.

```html
<!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	explainations 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!!

Vocabulary

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