

SIT120 - Introduction to Responsive Web Apps

Week 5: Vue.js Framework

Overview:

This week, you will focus on gaining a better understanding of the Vue.js Framework and its different components and play with different examples.

NOTE: This week's tasks are all about learning only, you do not need to push anything to GitHub. Just 1-2 sentences reflections needed for each task.

List of Tasks:

Pass Task 1 – Components Basics

Instruction: One of the important concepts in Vue are its components, that allows us to build large-scale applications on top of small and self-contained (often reusable) components. If we think about it, almost any type of application interface can be abstracted into a tree of components. For more detail use the link at

<https://v2.vuejs.org/v2/guide/components.html>

Credit Task 2 – Understanding Handling User Input

Instruction: v-model directive is used to create two-way data bindings on form elements like input or text area. Based on the type of input, the element is updated. Essentially, v-model is syntax sugar useful for updating data on events like user input. Visit [Form Input Bindings](#) to learn more.

Distinction Task 3 – Learning Component Registration

Instruction: In a Vue application, component registration is necessary which means a component needs to be "registered" for Vue to know where to find its implementation when encountered in a template. There are two ways [to register components](#): global and local. Learn how you can implement both ways.

Distinction Task 4 – Learning Props, Events and Slots

Instruction:

- [Props](#) can be registered on a component and are used to pass data from a parent component to one of its children's components.
- A child component can emit [custom events](#) directly to parent component (e.g., in a v-on handler) using the built-in \$emit method.
- With Vue [slots](#), you can turn a part or all of your components into reusable templates that will render differently based on different use cases. That means you can add child element into your component tag e.g.,
<myComponent> <h1>Hello world</h1></myComponent> and this h1 hello world tag will replace the slot in myComponent template.