SIT120 - Introduction to Responsive Web Apps

Week 4: Vue.js Framework

The easiest way to try out Vue is by building a Hello world app. The Installation — Vue.js (vuejs.org) for version 2 provides installing Vue and setup the project. **Hint**: use script tag: **<script src="https://cdn.jsdelivr.net/npm/vue@2.7.4/dist/vue.js"></script>** in your HTML head tag. Complete the tasks and write 1-2 sentences reflection for each task.

List of Tasks:

Pass Task 1 – Create basic Vue application
Instruction: As we discussed in past weeks, Vue is a frontend framework for JavaScript to build web applications. The basic concept for Vue is Declarative Rendering, with Declarative Rendering, we can link the data and DOM with Vue, that we no longer have to interact with the HTML directly, Visit Introduction — Vue.js (vuejs.org) for more information on Declarative Rendering. Study examples, implement creative pages using these concepts, you can add more tags and data. E.g., another h1 tag in div tag.
Please see **week 4 task 1 video tutorial** for hints.
Task to submit: Create a hello world Vue application. Write 1-2 sentences reflection.

Credit Task 2 – Conditionals and Loops
Instruction: Learn about conditionals Conditional Rendering (v2.vuejs.org) and loops:
- **v-if:** Used for conditional rendering the element or a view.
- **v-else:** Conditionally renders the else block of a **v-if** directive.
- **v-show:** Conditionally display an element or a view.
- **v-for:** Used to display a list of items in an Array.

These are used to dynamically render the UI elements to the View based on different conditions. For conditional rendering of v-for and v-if, see the **week 4 task 2 video tutorial** for hints**.**
Task to submit: Implement v-if, v-else, v-show and v-for (You may add into task 1).
Write 1-2 sentences reflection.

Distinction Task 3 – Implement Responsive Web design in Vue.
You already learnt responsive web design and wrote reflections in week 2. Now try to implement that concept into Vue application using either flex box or grid(don't use float).
Hint: You may need to create more elements in order to show the responsive design.
Task to submit: Implement responsive web design using either flex box or grid(don't use float) in Vue (You may add into task 1).
Write 1-2 sentences reflection.