* **Challenge**

A screenshot of a computer

Description automatically generated

A computer screen shot of a website

Description automatically generated

A computer screen shot of a pair of socks

Description automatically generated

A screen shot of a computer screen

Description automatically generated

A screen shot of a computer screen

Description automatically generated

4A computer screen shot of a program

Description automatically generated

5

A screenshot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

200 words :  
Week 3 focused on learning basic concepts in Vue.js, including the Vue instance, attribute binding, conditional rendering, and list rendering. The Vue instance serves as the foundation of the application, connecting HTML and JavaScript, enabling reactive properties in data, and defining functions in methods for handling events. Attribute binding, achieved through v-bind or its shorthand :, allows for dynamic assignment of attributes like src, href, or alt to data, making it easy to update these attributes as the application state changes. Conditional rendering is accomplished using directives like v-if, v-else, v-else-if, and v-show, which control the visibility of elements based on conditions. The difference between them is that v-if adds or removes elements from the DOM, while v-show only hides elements using CSS, making v-show faster for frequent visibility toggles. List rendering uses v-for to loop through arrays or objects to create dynamic lists, with a key attribute to help Vue track changes and render efficiently. Together, these tasks provide a solid foundation for building interactive and responsive user interfaces by combining dynamic data, conditionals, and lists in Vue.js.