

After watching the first four videos in the Intro to Vue 3 course on Vue Mastery, I've gained a solid grasp of the basics of Vue 3. The first video gives an overview of Vue 3, helping me understand it as a flexible JavaScript framework for building user interfaces, with a strong emphasis on reactivity—meaning the UI automatically updates when data changes. It's an improvement over Vue 2 in terms of performance and simpler syntax, using directives like `v-model` to handle dynamic data in a declarative way.

Next, the section on creating your first Vue app shows how to set up a simple project using Vue CLI or CDN, and the structure of a `.vue` file with template, script, and style sections. I clearly saw how basic data binding works through interpolation with `{{ }}`, which lets you render dynamic content without complicated JavaScript.

The attribute binding video explains `v-bind` (or just `:`) for dynamically attaching HTML attributes like `src` or `href`. For example, binding an image URL from a data variable makes the template flexible and reactive, avoiding hardcoded values.

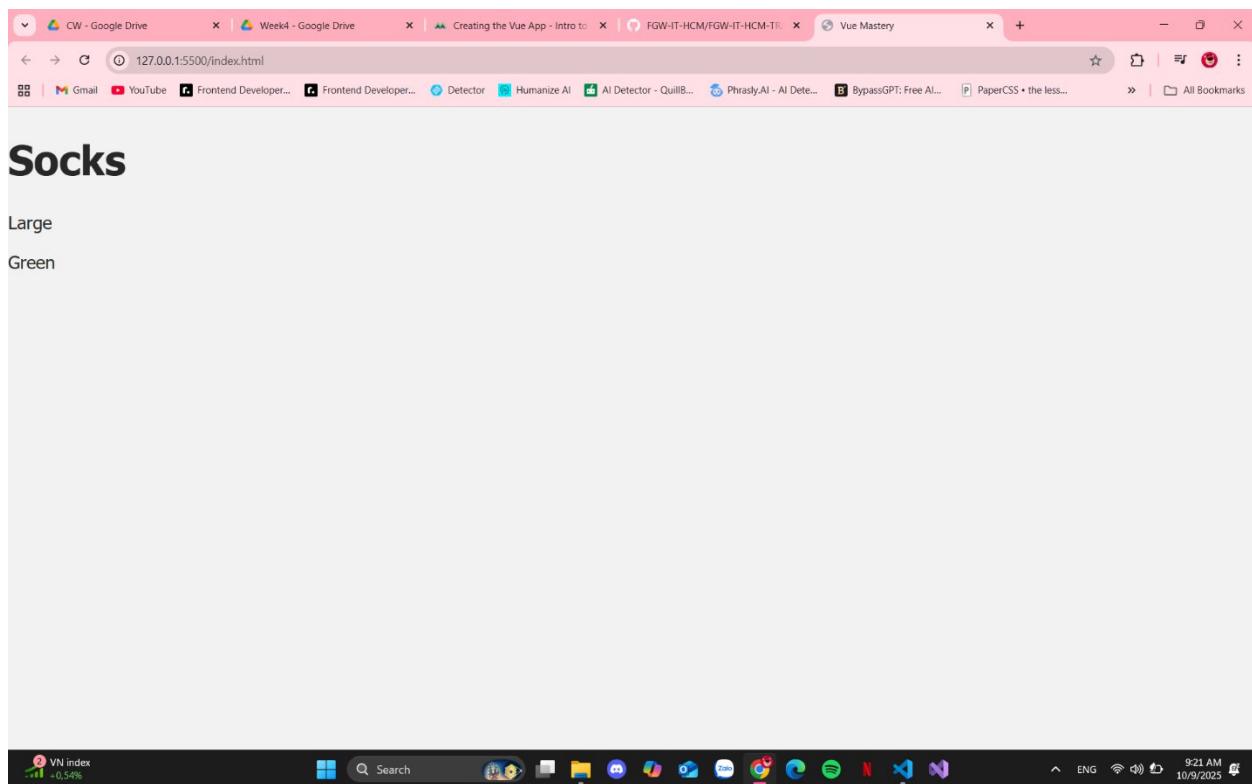
Finally, the conditional rendering part introduces `v-if` and `v-else` for showing elements based on conditions, comparing it to `v-show`, which just hides or shows via CSS. I learned that `v-if` is better for rarely changing conditions to optimize the DOM, while `v-show` is ideal for frequent toggling.

Overall, these four videos make me feel like Vue 3 promotes clean, maintainable code that's beginner-friendly. It boosts my confidence in starting to build interactive web apps, as everything revolves around making data "alive" right in the template. (Around 280 words)

Lesson 2:

```
main.js
1 const app = Vue.createApp({
2   data() {
3     return {
4       product:'Socks',
5       description:{}
6       Size : 'Large',
7       Color : 'Green'
8     }
9   }
10 })
11

index.html
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <title>Vue Mastery</title>
6     <!-- Import Styles -->
7     <link rel="stylesheet" href=".//assets/styles.css" />
8     <!-- Import Vue.js -->
9     <script src="https://unpkg.com/vue@3.0.11/dist/vue.global.js"></script>
10    <!-- Import App -->
11    <script src=".//main.js"></script>
12    <!-- Mount App -->
13    <script>
14      const mountedApp = app.mount('#app')
15    </script>
16  </body>
17  </html>
```



Lesson 3 :



Socks

Medium

Blue



[Click to open image](#)



```
# styles.css
index.html x
LESSON3
assets
Images
socks_blue.jpg
socks_green.jpg
# styles.css
index.html
JS main.js

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>Vue Mastery</title>
    <!-- Import Styles -->
    <link rel="stylesheet" href=".//assets/styles.css" />
    <!-- Import Vue.js -->
    <script src="https://unpkg.com/vue@3.0.11/dist/vue.global.js"></script>
  </head>
  <body>
    <div id="app">
      <div class="navbar">
        <div class="product-container">
          <div class="product-info">
            <h1>{{ product }}</h1>
            <p>{{ description.size }}</p>
            <p>{{ description.color }}</p>
            <div class="product-image">
              
              <a :href="url" target="_blank">Click to open image</a>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
<!-- Import App -->
<script src=".//main.js"></script>
```

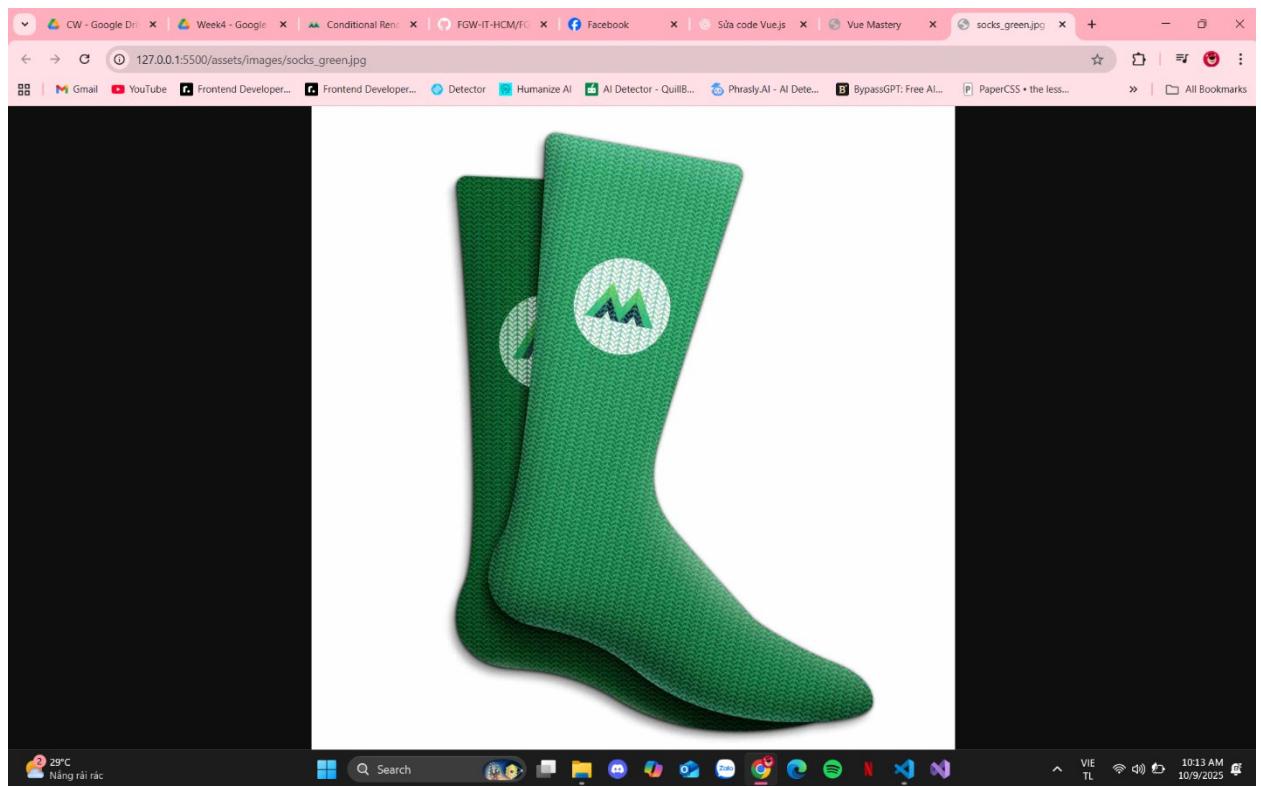
```
PS D:\COMP 1842\Week4\coursework\lesson3> git checkout l3-start
error: pathspec 'l3-start' did not match any file(s) known to git
PS D:\COMP 1842\Week4\coursework\lesson3> git check out l2-end
git: 'check' is not a git command. See 'git --help'.
```

The most similar command is
checkout

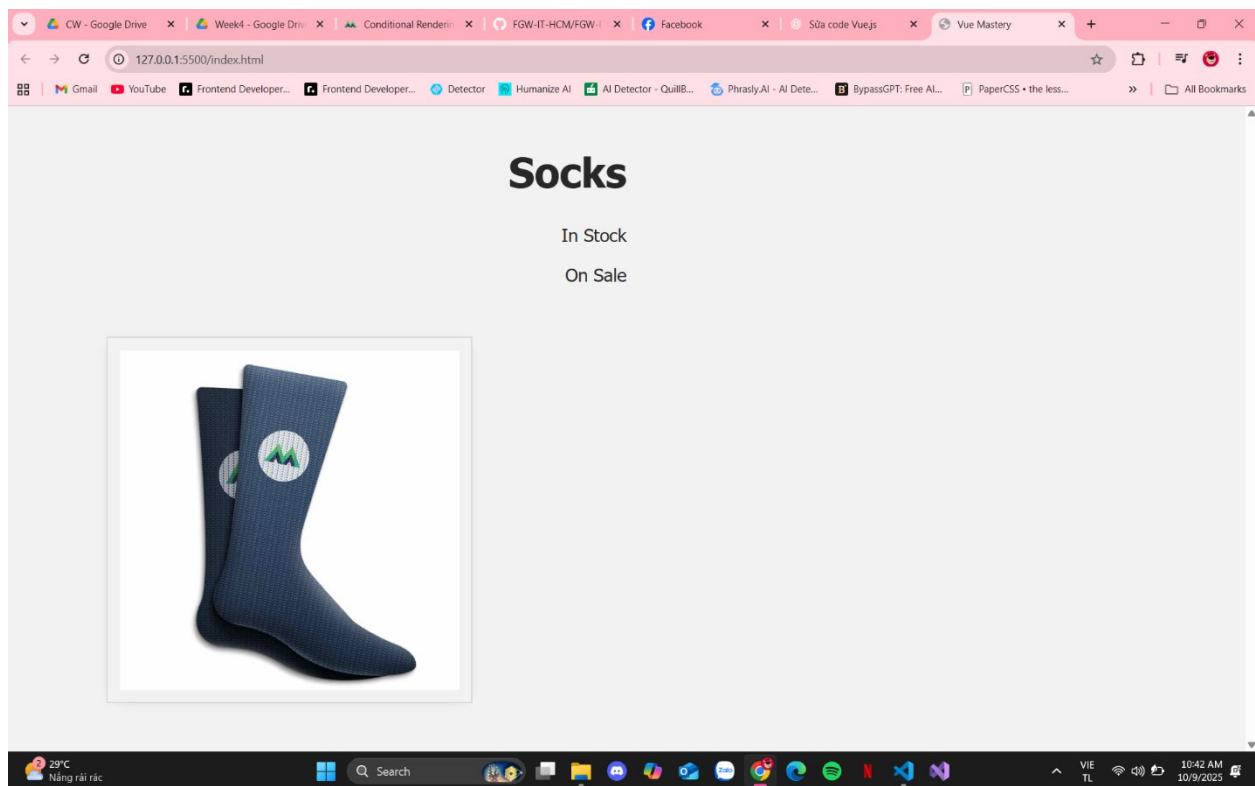
```
PS D:\COMP 1842\Week4\coursework\lesson3> [ ]
```

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Lesson 4 :



The screenshot shows a Vue.js application structure in VS Code. The Explorer sidebar on the left lists files: LESS... (with a warning), assets, images, # styles.css, index.html, and JS main.js. The main editor area displays `index.html`, which includes a `<script src=".main.js">` tag pointing to `main.js`. The `main.js` file in the right editor contains the following code:

```
const app = Vue.createApp({
  data() {
    return {
      product: "socks",
      image: "assets/images/socks_blue.jpg",
      inventory: 12,
      onSale: true
    };
  }
});
const mountedApp = app.mount("#app");
```