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.

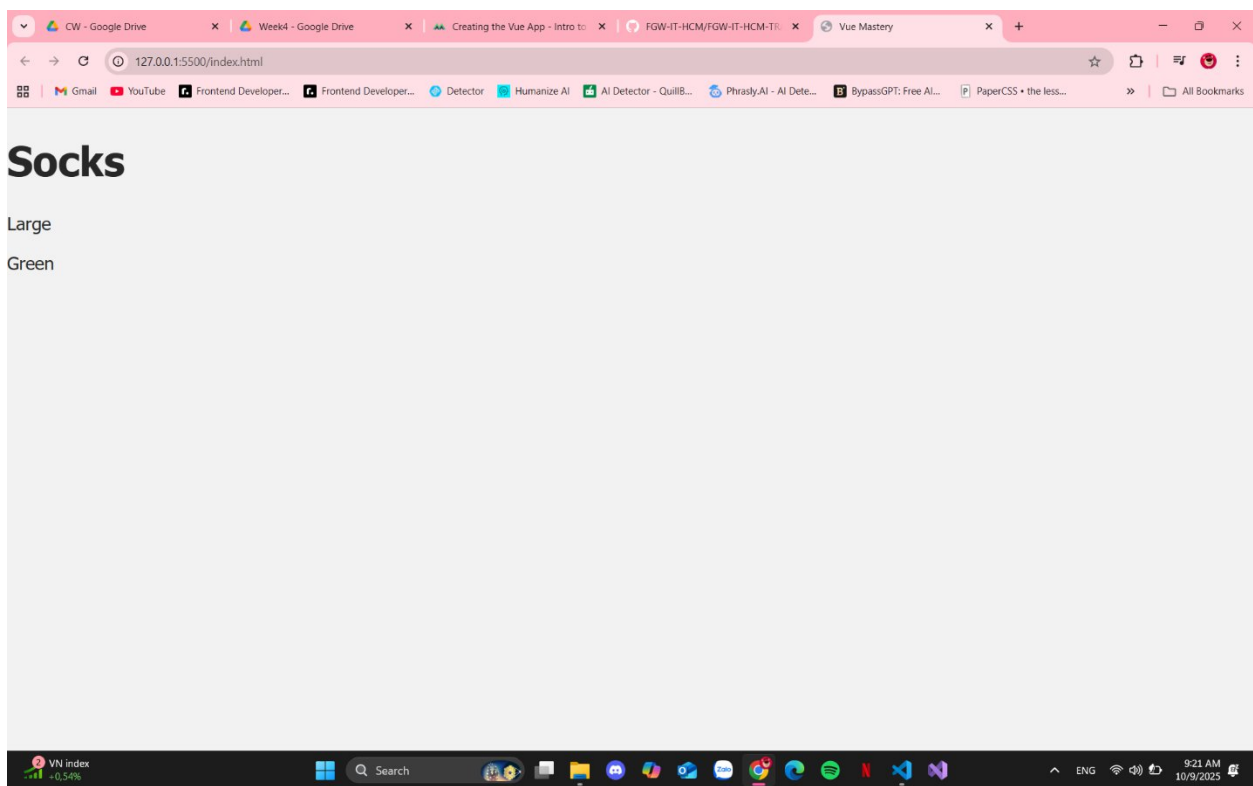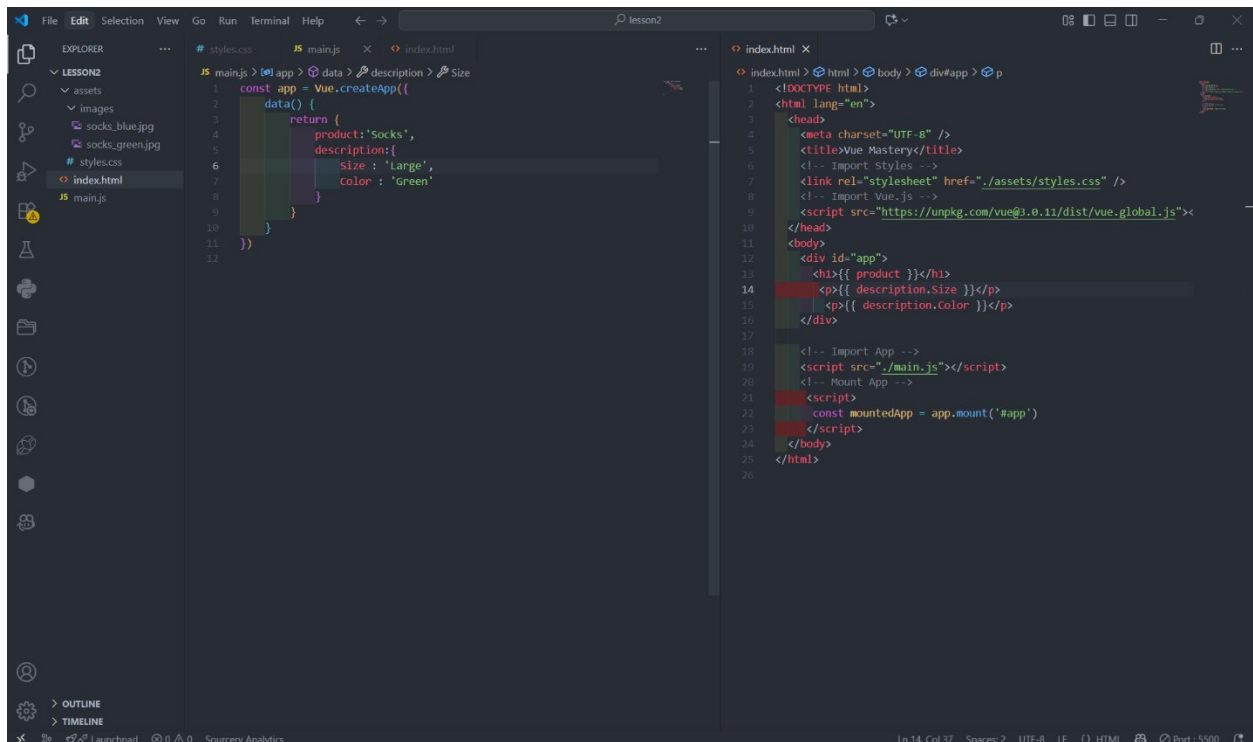Next, the section on creating your first Vue app shows how to set up a simple project using Vue CLI or CDN, and the structure of a .vue file with template, script, and style sections. I clearly saw how basic data binding works through interpolation with {{ }}, which lets you render dynamic content without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

The attribute binding video explains v-binssd (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:

```javascript
const app = Vue.createApp({
    data() {
        return {
            product:'Socks',
            description:{
                Size : 'Large',
                Color : 'Green'
            }
        }
    }
})
```

```html
<!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"><
  </head>
  <body>
    <div id="app">
      <h1>{{ product }}</h1>
      <p>{{ description.Size }}</p>
      <p>{{ description.Color }}</p>
    </div>

    <!-- Import App -->
    <script src="./main.js"></script>
    <!-- Mount App -->
    <script>
      const mountedApp = app.mount('#app')
    </script>
  </body>
</html>
```
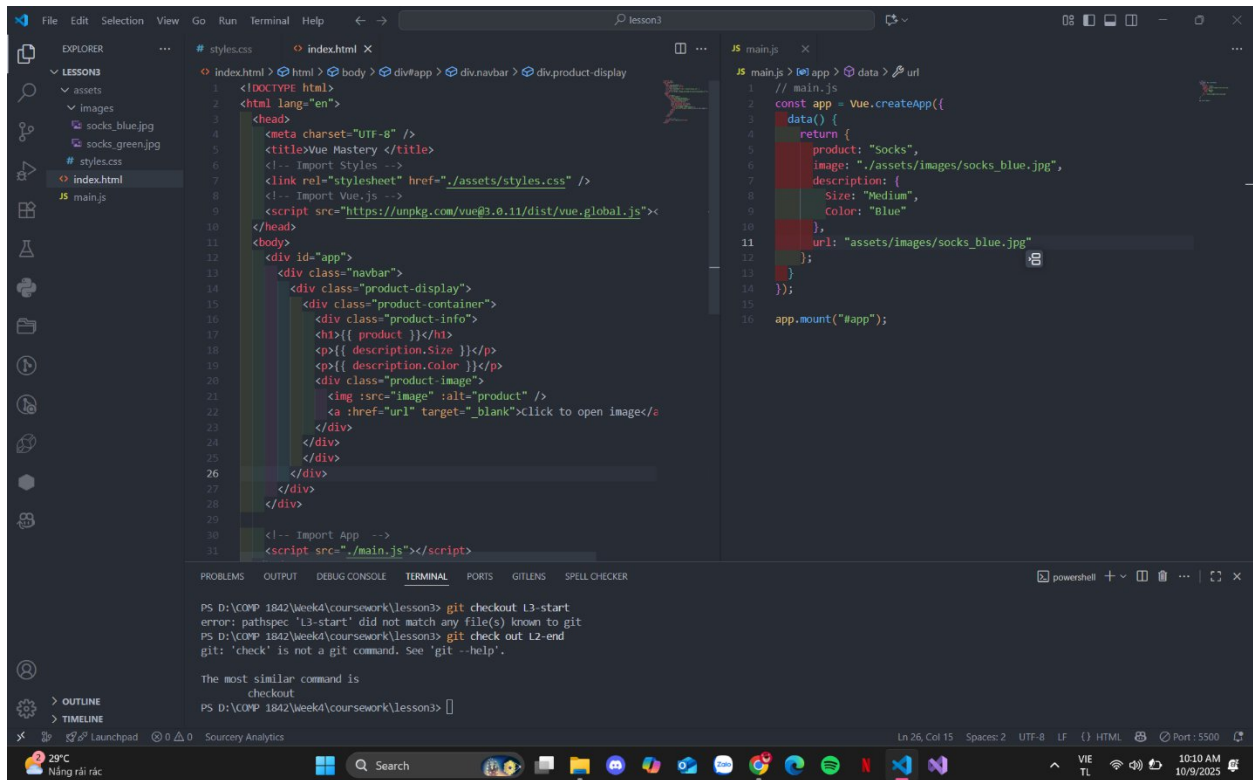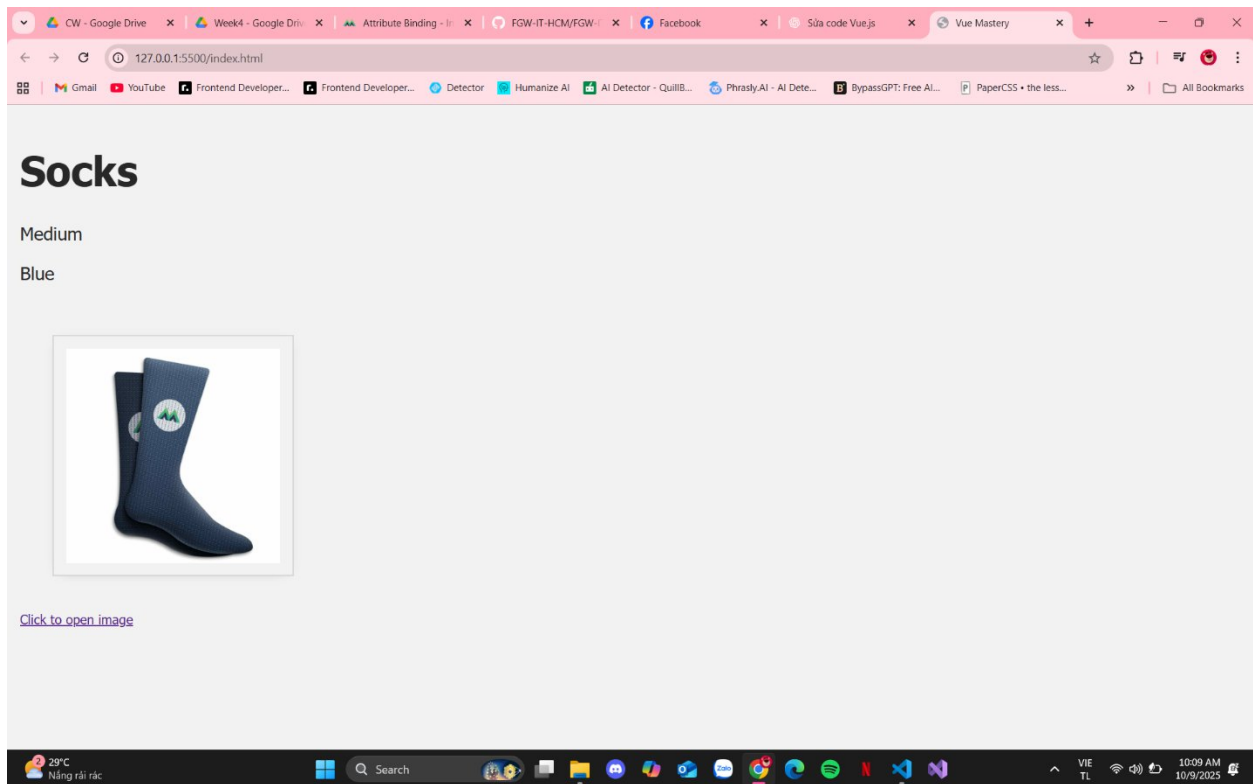
Socks

Large

Green

Lesson 3 :

Lesson 4 :

```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"><
  </head>
  <body>
    <div id="app">
      <div class="navbar">
        <div class="product-display">
          <div class="product-container">
            <div class="product-info">
              <h1>{{ product }}</h1>

              <p v-if="inventory > 10">In Stock</p>
              <p v-else>Out of Stock</p>

              <p v-if="onSale">On Sale</p>

              <div class="product-image">
                <img :src="image" :alt="product" />
              </div>
            </div>
          </div>
        </div>
      </div>

      <!-- Import file JS -->
      <script src="./main.js"></script>
    </div>
  </body>
</html>
```

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

const mountedApp = app.mount("#app");
```