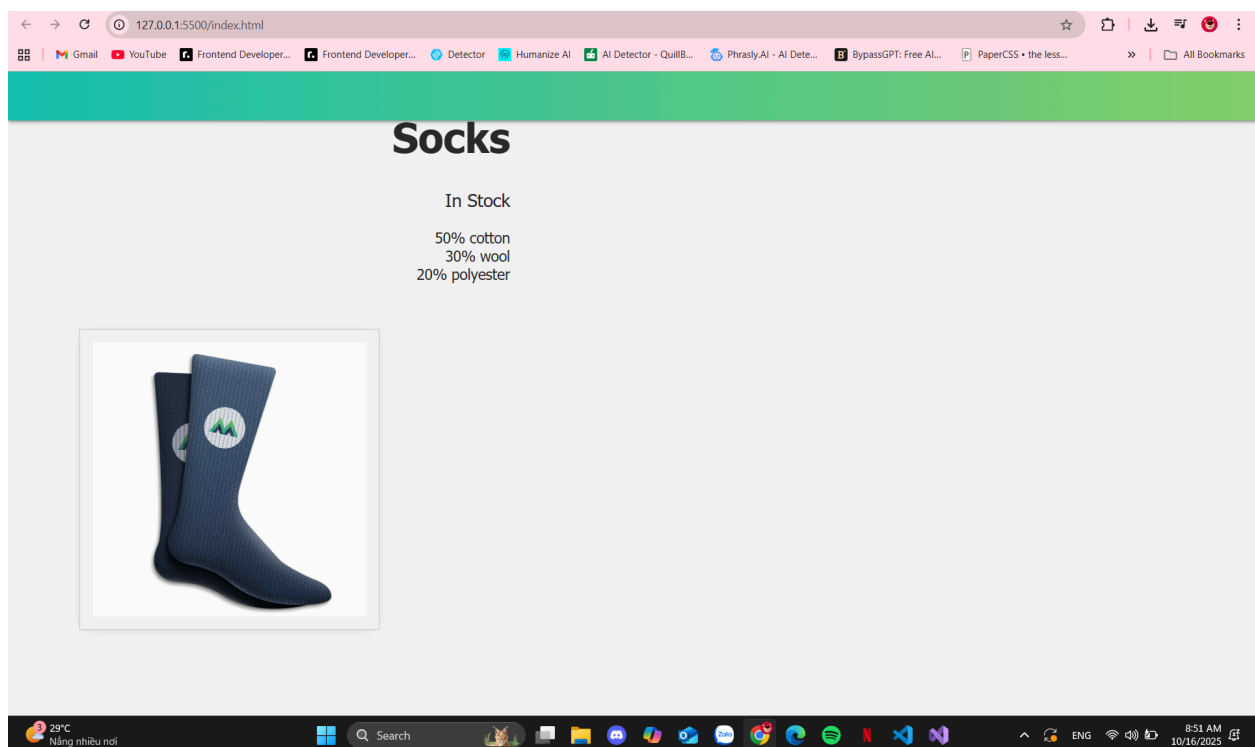


Lesson 5 :

```
File Edit Selection View Go Run Terminal Help lesson5
EXPLORER LESSON5 assets images styles.css index.html main.js
divApp > div.nav-bar > div.product-display > div.product-container > div.product-info > ul
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 </head>
11 <body>
12 <div id="app">
13 <div class="nav-bar">
14 <div class="product-display">
15 <div class="product-container">
16 <div class="product-info">
17 <h1>{{ product }}</h1>
18 <p v-if="inventory > 10">In Stock</p>
19 <p v-else>Out of Stock</p>
20 <ul>
21 <li v-for="detail in details">{{ detail }}</li>
22 </ul>
23 <div class="product-image">
24 
25 </div>
26 </div>
27 </div>
28 </div>
29 </div>
30 </div>
31 <!-- Import file JS -->
32 <script src="/main.js"></script>
33 </body>
34 </html>
35
36
main.js
1 const app = Vue.createApp({
2   data() {
3     return {
4       product: "Socks",
5       image: "assets/images/socks_blue.jpg",
6       instock: true,
7       inventory: 12,
8       details: ["50% cotton", "30% wool", "20% polyester"],
9     };
10   }
11 });
12
13 const mountedApp = app.mount("#app");
14
```



```
File Edit Selection View Go Run Terminal Help lesson6
index.html X # styles.css
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8" />
6   <title>Vue Mastery</title>
7   <!-- Import Styles -->
8   <link rel="stylesheet" href="../assets/styles.css" />
9   <!-- Import Vue.js -->
10  <script src="https://unpkg.com/vue@3.0.11/dist/vue.global.js"></script>
11 </head>
12 <body>
13   <div id="app">
14     <div class="nav-bar"></div>
15
16     <div class="product-display">
17       <div class="product-container">
18         <div class="product-image">
19           
20         </div>
21
22         <div class="product-info">
23           <h1>{{ product }}</h1>
24
25           <p v-if="inventory > 10">In Stock</p>
26           <p v-else>Out of Stock</p>
27
28           <ul>
29             <li v-for="detail in details" :key="detail">{{ detail }}</li>
30           </ul>
31
32           <div v-for="variant in variants" :key="variant.id">
33             {{ variant.color }}
34           </div>
35
36           <ul>
37             <li v-for="size in sizes" :key="size">{{ size }}</li>
38           </ul>
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42 </div>
43 </body>
44 </html>
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```

The screenshot shows a VS Code editor with two files open: `index.html` and `main.js`.

index.html (Left Panel):

```

1 <html lang="en">
2 <head>
3   <link rel="stylesheet" href="/assets/styles.css" />
4   <!-- Import Vue.js -->
5   <script src="https://unpkg.com/vue@3.0.11/dist/vue.global.js"></script>
6 </head>
7 <body>
8   <div id="app">
9     <div class="nav-bar"></div>
10
11     <div class="cart">{{ cart }}</div>
12
13     <div class="product-display">
14       <div class="product-container">
15         <div class="product-image">
16           
17         </div>
18
19         <div class="product-info">
20           <h1>{{ product }}</h1>
21
22           <p v-if="inventory > 10">In Stock</p>
23           <p v-else>Out of Stock</p>
24
25           <ul>
26             <li v-for="detail in details" :key="detail">{{ detail }}</li>
27           </ul>
28
29           <div v-for="variant in variants" :key="variant.id">
30             {{ variant.color }}
31           </div>
32
33           <ul>
34             <li v-for="size in sizes" :key="size">{{ size }}</li>
35           </ul>
36
37           <button class="button" v-on:click="cart += 1">Add to Cart</button>
38         </div>
39       </div>
40     </div>
41   </div>
42 </body>
43 </html>

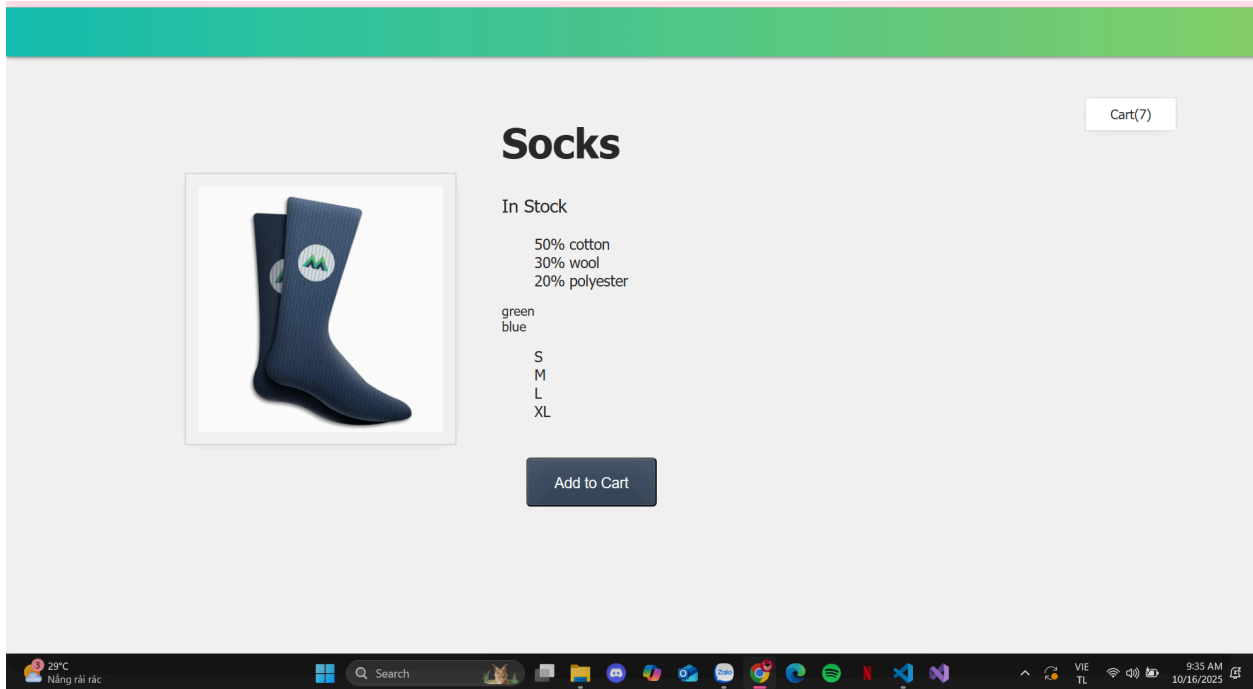
```

main.js (Right Panel):

```

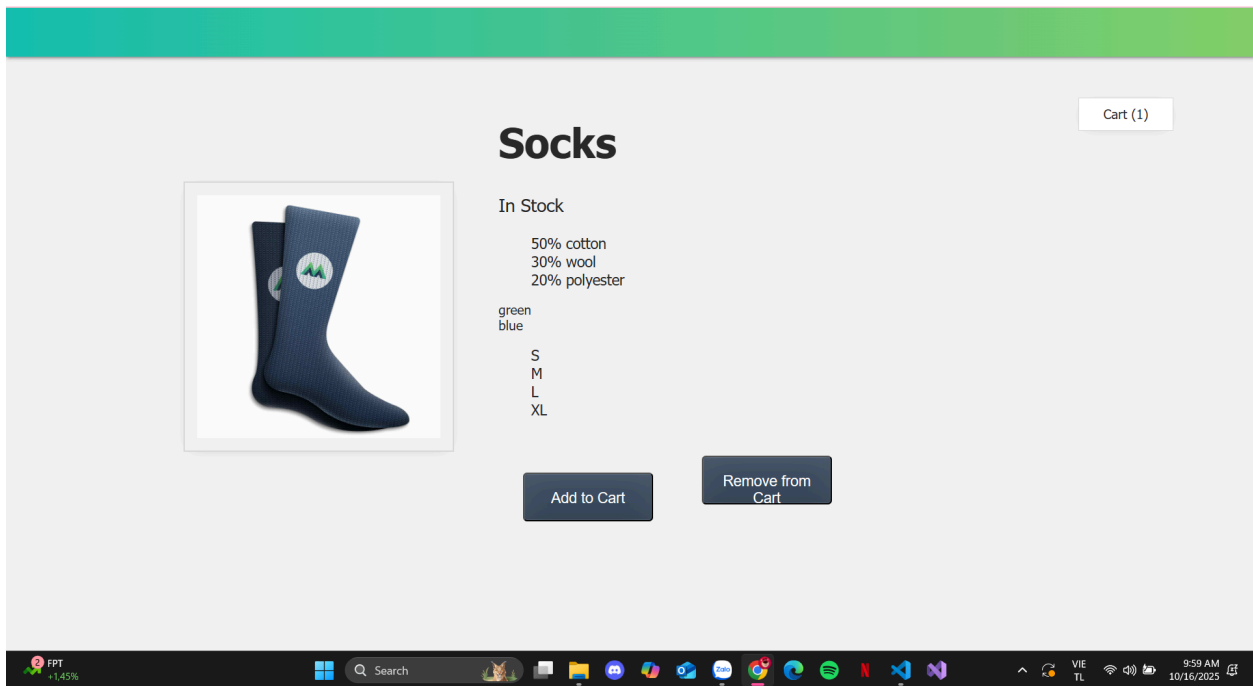
1 const app = Vue.createApp({
2   data() {
3     return {
4       cart : 0,
5       product: "Socks",
6       image: "assets/images/socks_blue.jpg",
7       instock: true,
8       inventory: 12,
9       details: ["50% cotton", "30% wool", "20% polyester"],
10      variants: [
11        { id: 2234, color: "green" },
12        { id: 2235, color: "blue" },
13      ],
14      sizes: ["S", "M", "L", "XL"],
15    };
16  },
17 });
18
19 const mountedApp = app.mount("#app");
20

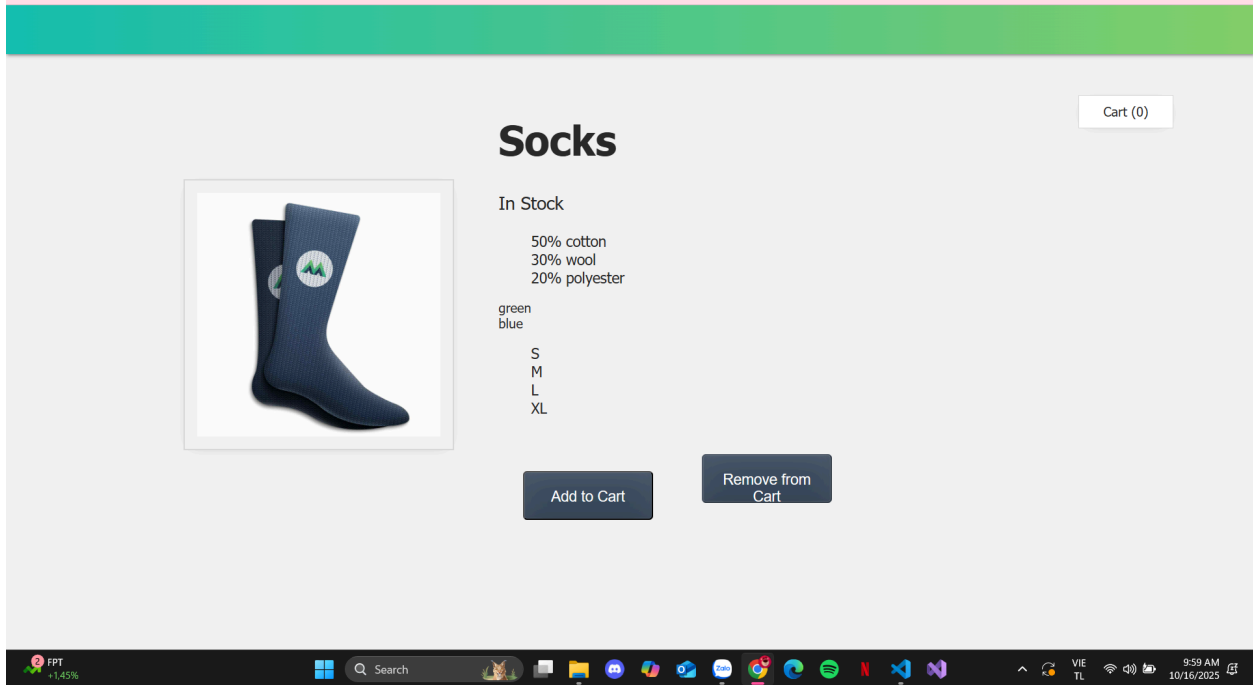
```



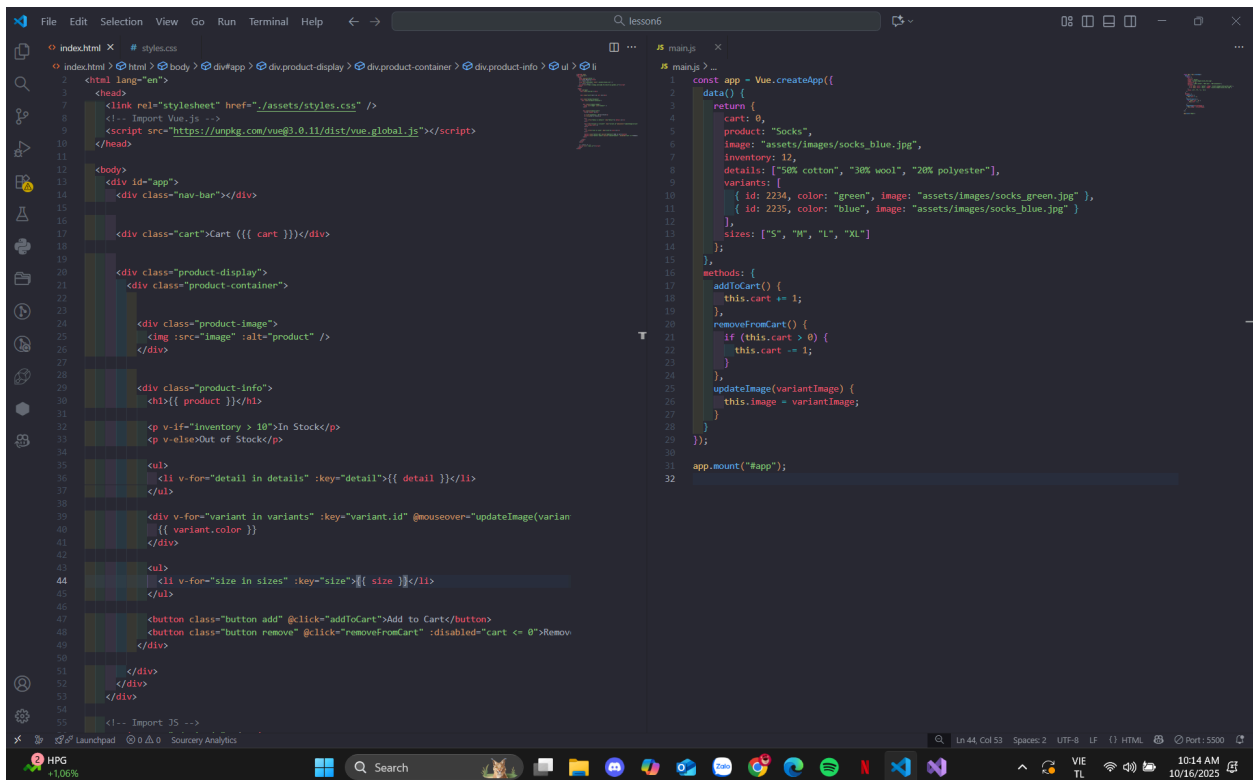
```
File Edit Selection View Go Run Terminal Help
index.html # styles.css
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8" />
    <title>Vue Mastery</title>
    <!-- Import CSS -->
    <link rel="stylesheet" href="/assets/styles.css" />
    <!-- Import Vue.js -->
    <script src="https://unpkg.com/vue@3.0.11/dist/vue.global.js"></script>
  </head>
  <body>
    <div id="app">
      <div class="nav-bar"></div>
      <div class="cart">Cart {{{ cart }}}</div>
      <div class="product-display">
        <div class="product-container">
          <div class="product-image">
            
          </div>
          <div class="product-info">
            <h1>{{ product }}</h1>
            <p v-if="inventory > 10">In Stock</p>
            <p v-else>Out of Stock</p>
            <ul>
              <li v-for="detail in details" :key="detail">{{ detail }}</li>
            </ul>
            <div v-for="variant in variants" :key="variant.id" @mouseover="updateImage(variant)">
              {{ variant.color }}
            </div>
            <ul>
              <li v-for="size in sizes" :key="size">{{ size }}</li>
            </ul>
            <button class="button" @click="addToCart">Add to Cart</button>
            <button class="button" @click="removeFromCart" :disabled="cart <= 0">Remove from Cart</button>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>

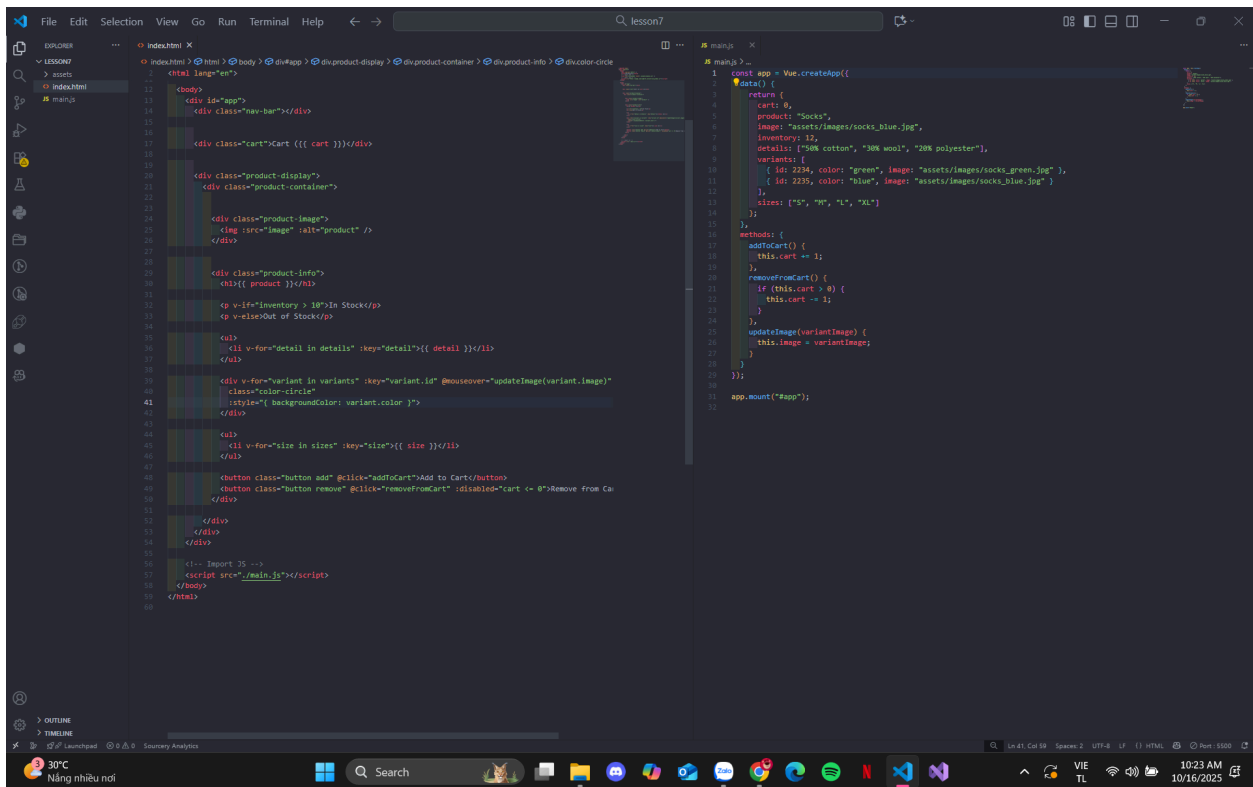
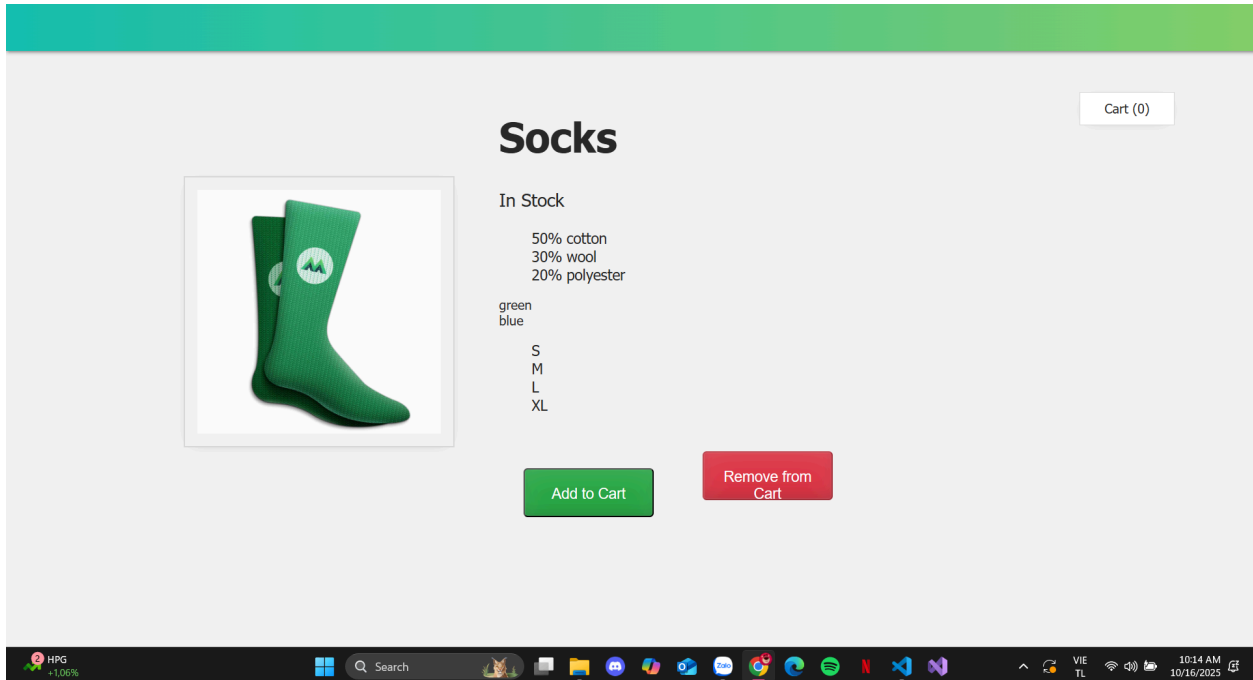
main.js
const app = Vue.createApp({
  data() {
    return {
      cart: 0,
      product: "Socks",
      image: "assets/images/socks_blue.jpg",
      inventory: 12,
      details: ["50% cotton", "30% wool", "20% polyester"],
      variants: [
        { id: 2234, color: "green", image: "assets/images/socks_green.jpg" },
        { id: 2235, color: "blue", image: "assets/images/socks_blue.jpg" }
      ],
      sizes: ["S", "M", "L", "XL"]
    };
  },
  methods: {
    addToCart() {
      this.cart += 1;
    },
    removeFromCart() {
      if (this.cart > 0) {
        this.cart -= 1;
      }
    },
    updateImage(variantImage) {
      this.image = variantImage;
    }
  }
});
app.mount("#app");
```

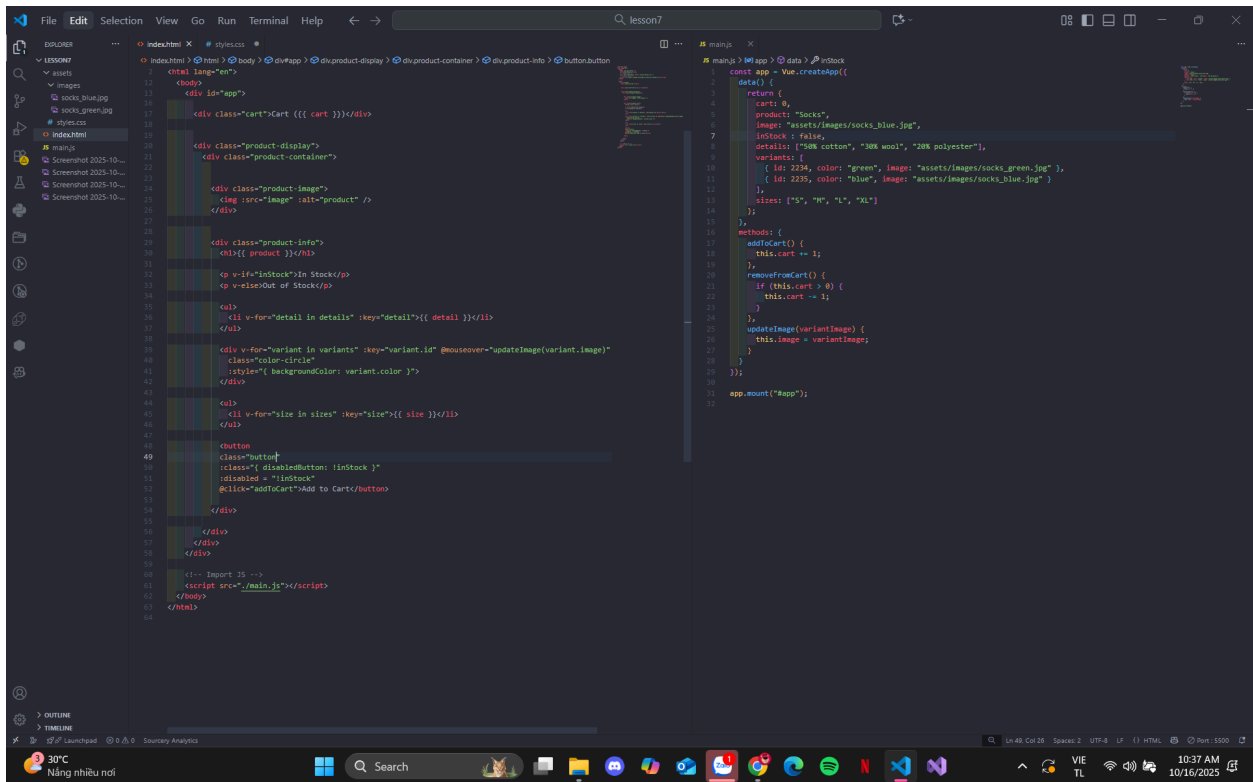
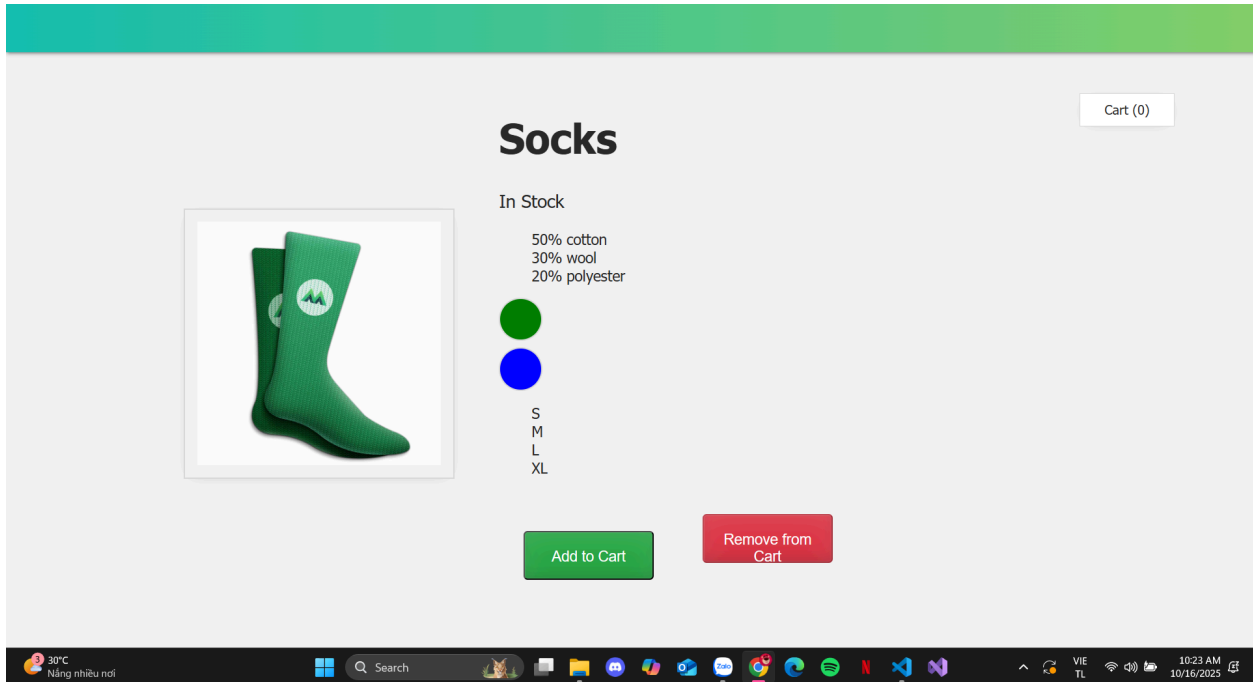


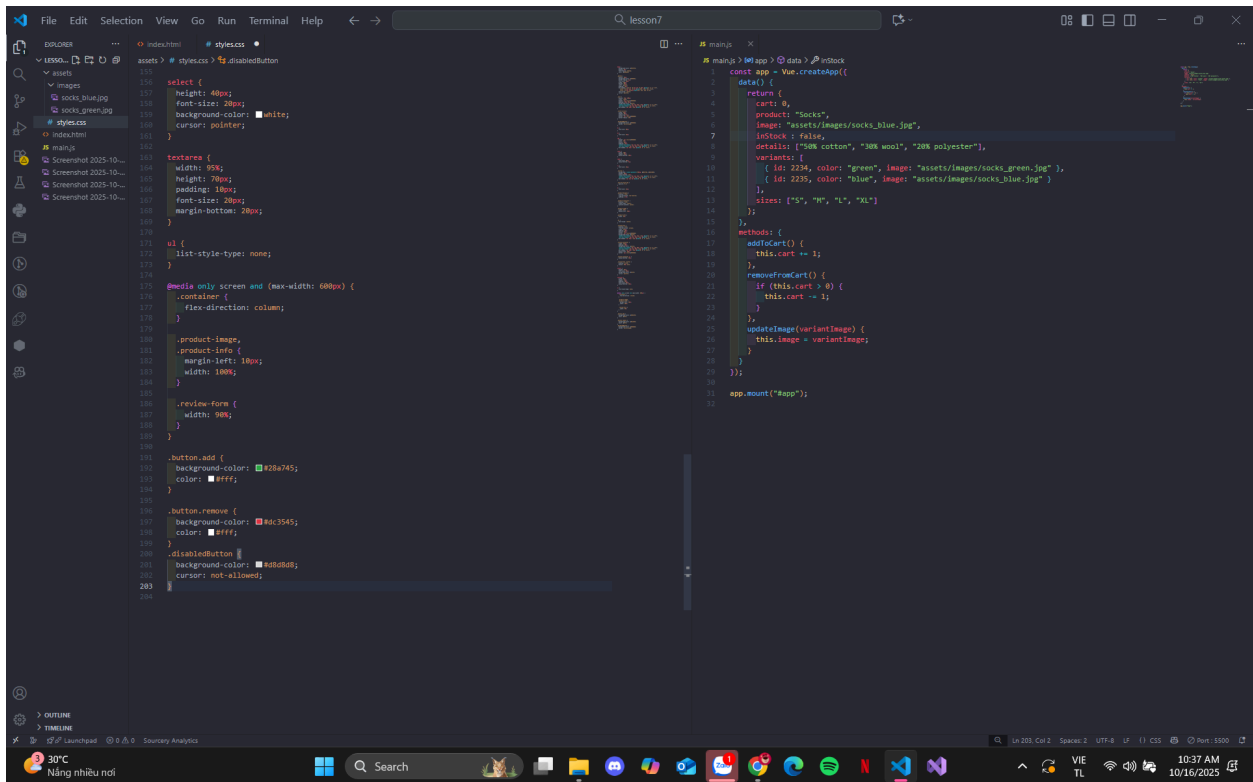
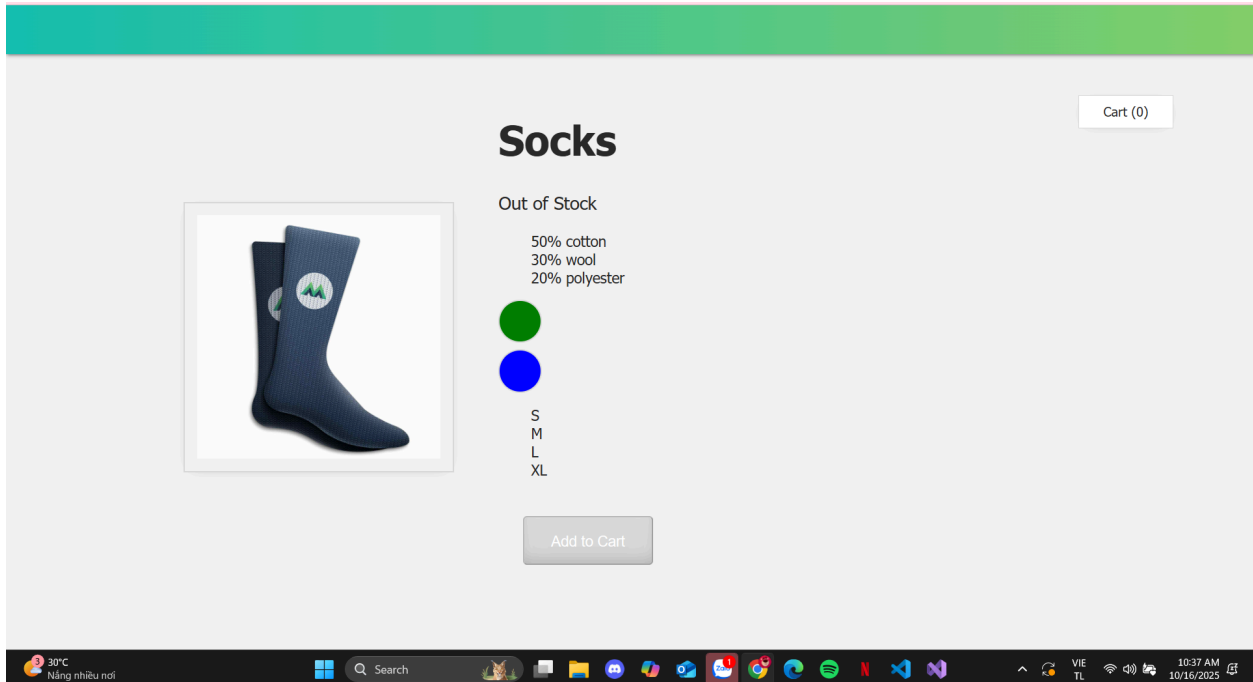


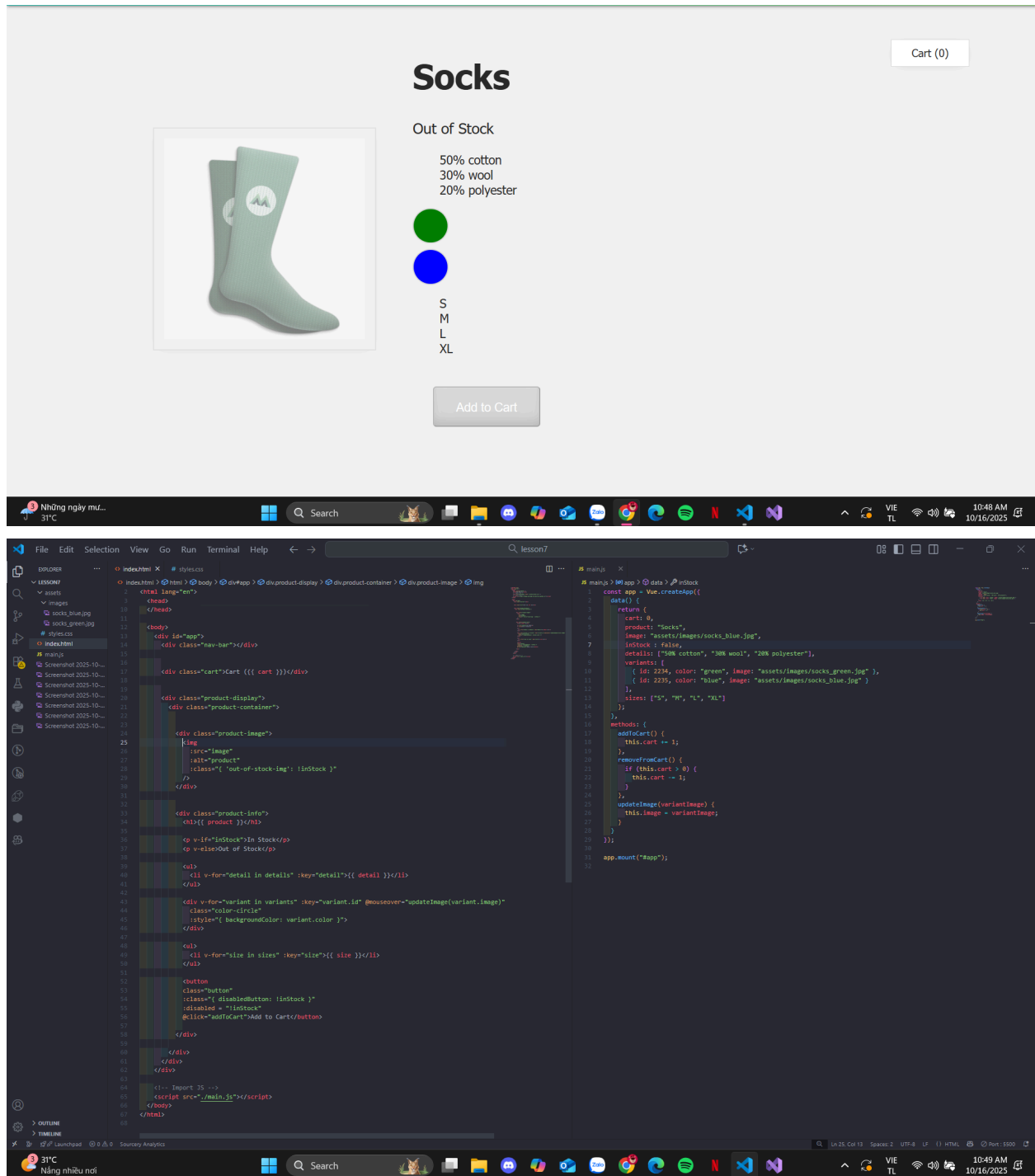
Lesson 7 :











I learned lessons 5, 6, and 7 in Vue.js today, and I think I finally understand how strong Vue is. I found out about class and style binding in lesson 5. I thought it was extremely cool that I could alter CSS classes on the fly based on data in my Vue instance. For instance, I may change the style of something in real time by using `:class="{ active: isActive }"` to check if something is true or false. Lesson 6 was on conditional rendering, which is how to use `v-if`, `v-else-if`, and `v-else` to show or hide things based on logic. This makes the page feel much more interactive because it just shows what you need. Then, in lesson 7, I practiced

using v-for to render lists. This lets me go over arrays and show many items, like product listings or comments, with ease. These classes taught me how Vue makes it easy to integrate data and the user interface. When you change one, the other one changes right away. I particularly liked trying out tiny tasks and seeing the results right away in the browser. I thought each idea was easy on its own, but when I put them all together, I saw how fast and easy Vue development can be.