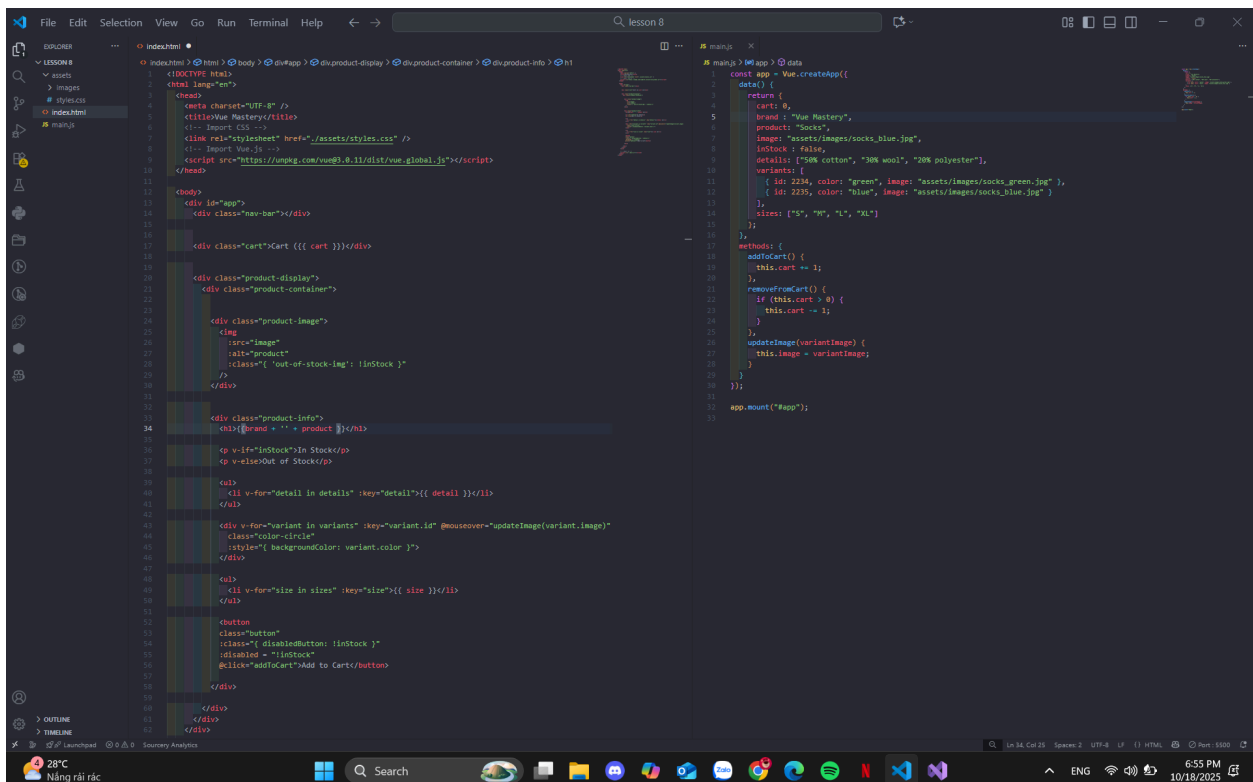
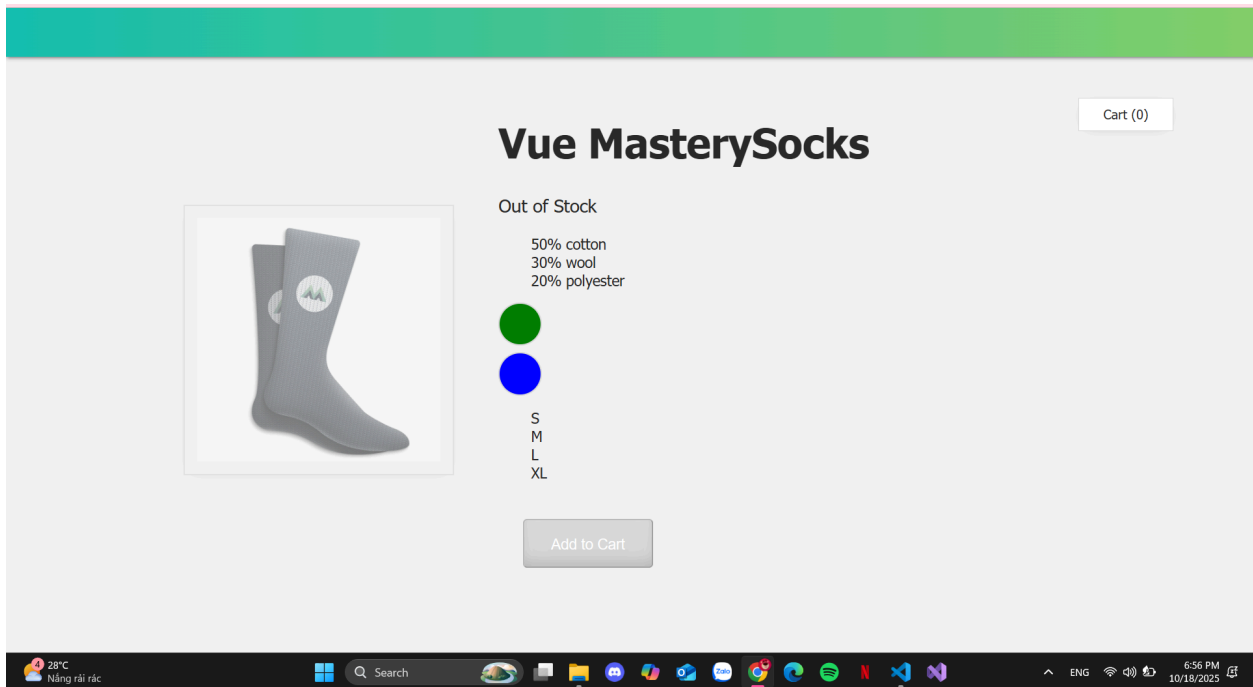
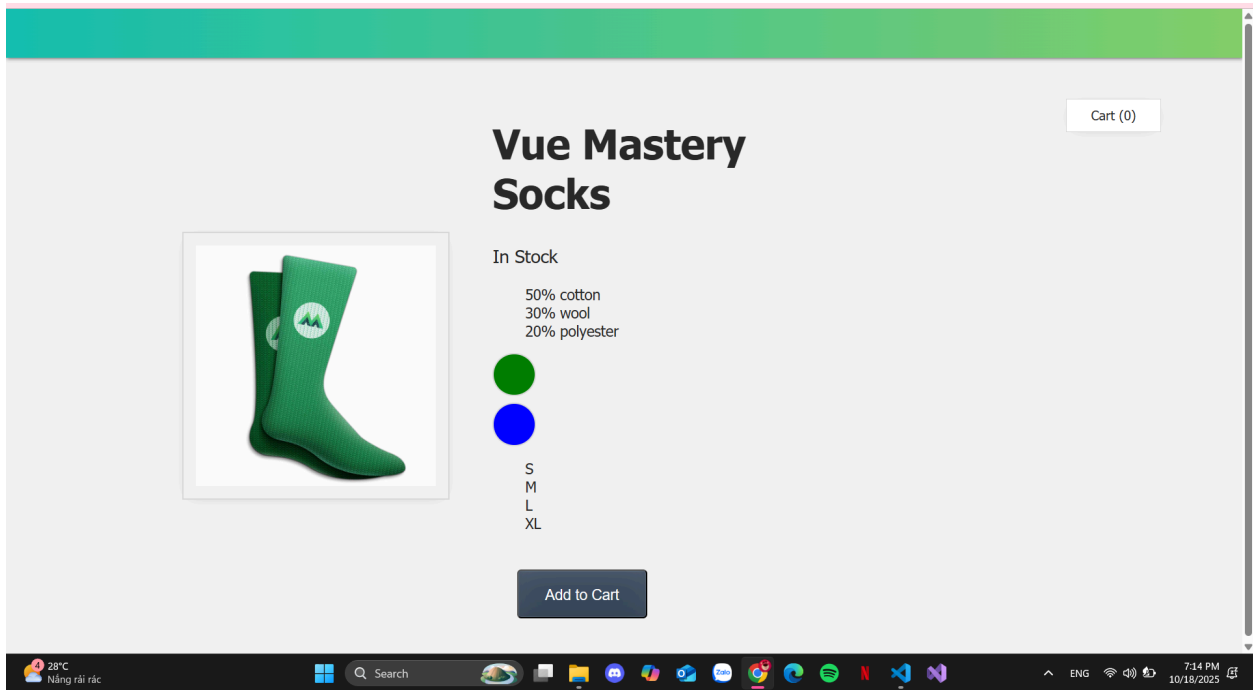
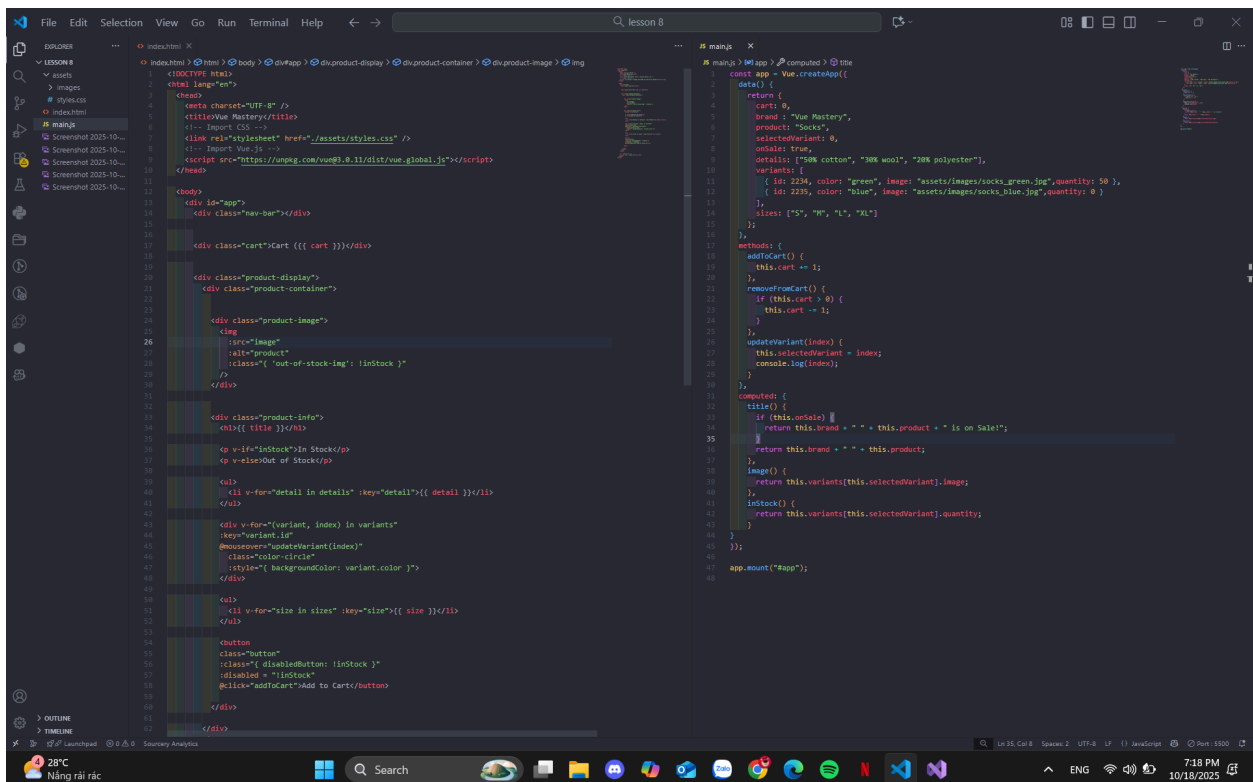
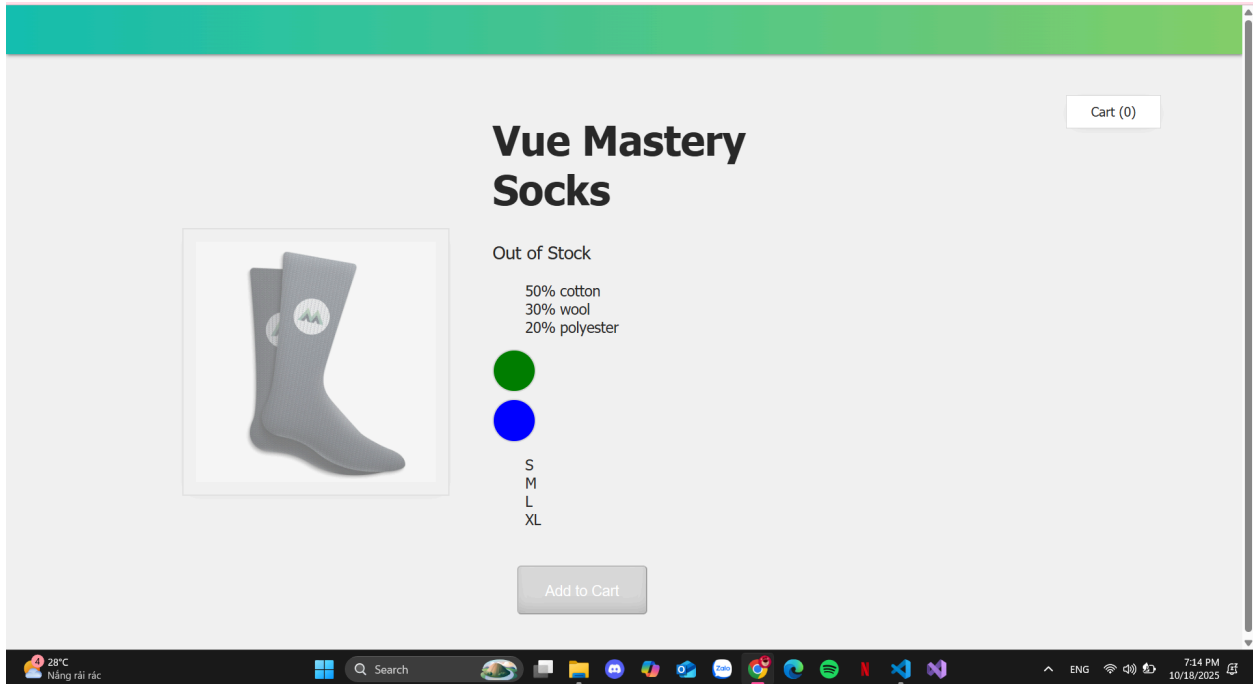


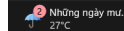
Lesson 8 :



```
File Edit Selection View Go Run Terminal Help
lesson8
main.js
index.html
<html lang="en">
  <body>
    <div id="app">
      <div class="product-display">
        <div class="product-container">
          
        </div>
        <div class="product-info">
          <h3>{{ title }}</h3>
          <p v-if="inStock">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, index) in variants">
            <key="variant-id"
            @mouseover="updateVariant(index)"
            class="color-circle"
            :style="{ backgroundColor: variant.color }">
            </div>
            <ul>
              <li v-for="size in sizes" :key="size">{{ size }}</li>
            </ul>
            <button
              class="button"
              :class="{ disabledButton: !inStock }"
              :disabled = "!inStock"
              @click="addToCart">Add to Cart</button>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
main.js
const app = Vue.createApp({
  data() {
    return {
      cart: 0,
      brand: "Vue Mastery",
      product: "Socks",
      selectedVariant: 0,
      details: ["50% cotton", "30% wool", "20% polyester"],
      variants: [
        { id: 2234, color: "green", image: "assets/images/socks_green.jpg", quantity: 50 },
        { id: 2235, color: "blue", image: "assets/images/socks_blue.jpg", quantity: 0 }
      ],
      sizes: ["S", "M", "L", "XL"]
    },
    methods: {
      addToCart() {
        this.cart += 1;
      },
      removeFromCart() {
        if (this.cart > 0) {
          this.cart -= 1;
        }
      },
      updateVariant(index) {
        this.selectedVariant = index;
        console.log(index);
      },
      computed: {
        title() {
          return this.brand + " " + this.product;
        },
        image() {
          return this.variants[this.selectedVariant].image;
        },
        inStock() {
          return this.variants[this.selectedVariant].quantity;
        }
      }
    }
  },
  app.mount("#app");
```





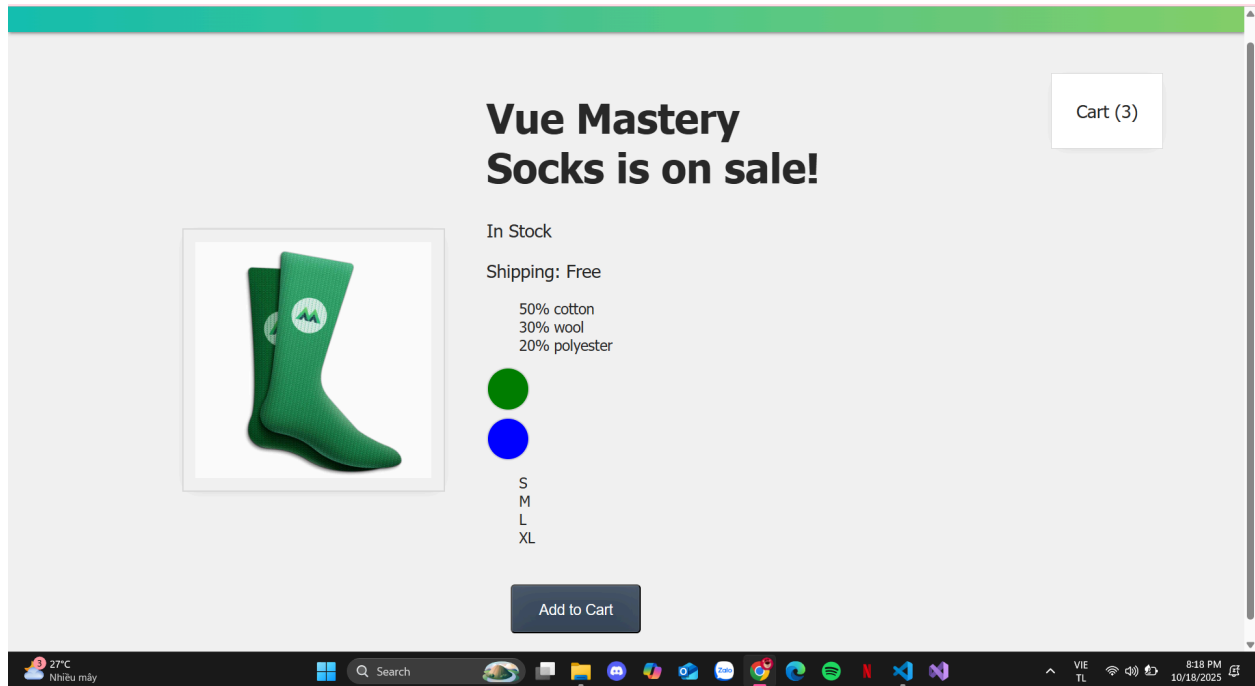


Add to Cart



Windows taskbar showing the date and time: 7:50 PM, 10/18/2023. The taskbar also displays the Windows Start button, a search bar, and several application icons including File Explorer, Microsoft Edge, and various productivity tools.

The image shows a dual-monitor setup with a Windows 11 desktop. The primary monitor displays the Visual Studio Code editor with a file explorer on the left sidebar. The file explorer shows a project structure with folders like 'assets', 'images', 'styles.css', and 'components'. The main editor area shows the 'index.html' file, which contains a Vue.js application template. The application includes a header with a title and a link to a product details page, a main content area with a 'cart' button, and a 'product display' section. The secondary monitor displays the 'ProductDisplay.js' file, which contains the logic for the product display, including a 'const ProductDisplay' object with a 'template' property and a 'methods' object. The status bar at the bottom of the VS Code window shows the current file is 'index.html', the project is 'src', and the language is 'HTML'. The system tray at the bottom of the desktop shows the date as '10/18/2025' and the time as '8:18 PM'. There are also icons for network, volume, and power in the system tray.



Lesson 10 :

```
index.html X
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <title>Vue Product Details</title>
6     <script src="https://unpkg.com/vue@3"></script>
7     <link rel="stylesheet" href="/assets/styles.css" />
8   </head>
9   <body>
10    <div id="app">
11      <div class="nav-bar"></div>
12
13      <div class="cart">
14        <p>Cart {{ cart }}</p>
15      </div>
16
17      <product-display
18        :premium="premium"
19        @add-to-cart="updateCart">
20      </product-display>
21    </div>
22
23    <!-- Component scripts -->
24    <script src="/components/ProductDetails.js"></script>
25    <script src="/components/ProductDisplay.js"></script>
26
27    <!-- Main Vue app -->
28    <script src="/main.js"></script>
29  </body>
30</html>
```

```
main.js X
1 const app = Vue.createApp({
2   data() {
3     return {
4       cart: 0,
5       premium: true
6     };
7   },
8   methods: {
9     updateCart() {
10       this.cart ++ 1;
11     }
12   }
13 });
14
15 app.component('product-details', ProductDetails);
16 app.component('product-display', ProductDisplay);
17 app.mount('#app');
```

```
index.html
1 <!DOCTYPE html>
2 <html lang="en">
3
4   <head>
5     <meta charset="UTF-8" />
6     <title>Vue Product Details</title>
7     <script src="https://unpkg.com/vue@3"></script>
8     <link rel="stylesheet" href="/assets/styles.css" />
9   </head>
10
11   <body>
12     <div id="app">
13       <div class="nav-bar"></div>
14
15       <div class="cart">
16         <p>Cart {{{ cart }}}</p>
17       </div>
18
19       <product-display
20         :premium="premium"
21         @add-to-cart="updateCart">
22       </product-display>
23     </div>
24
25     <!-- Component scripts -->
26     <script src="/components/ProductDetails.js"></script>
27     <script src="/components/ProductDisplay.js"></script>
28
29     <!-- Main Vue app -->
30     <script src="/main.js"></script>
31   </body>
32 </html>
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Cart (4): [2234, 2234, 2234, 2234]



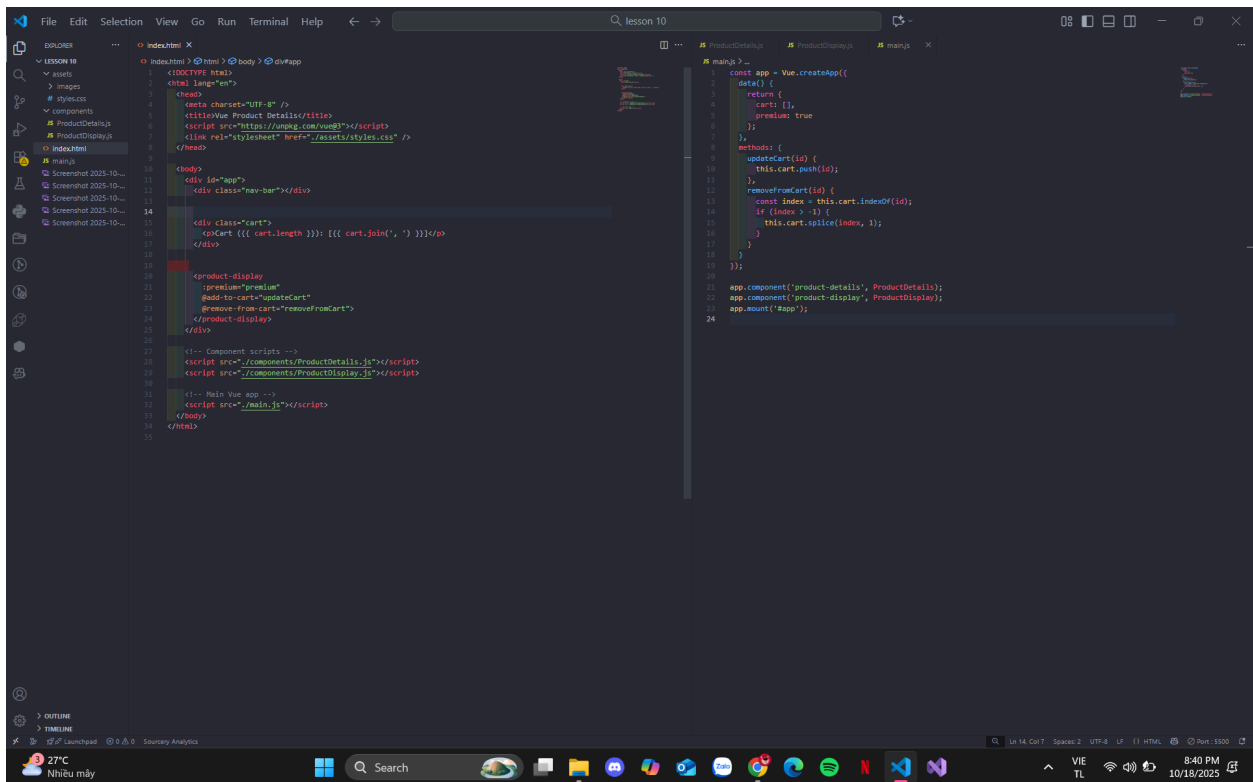
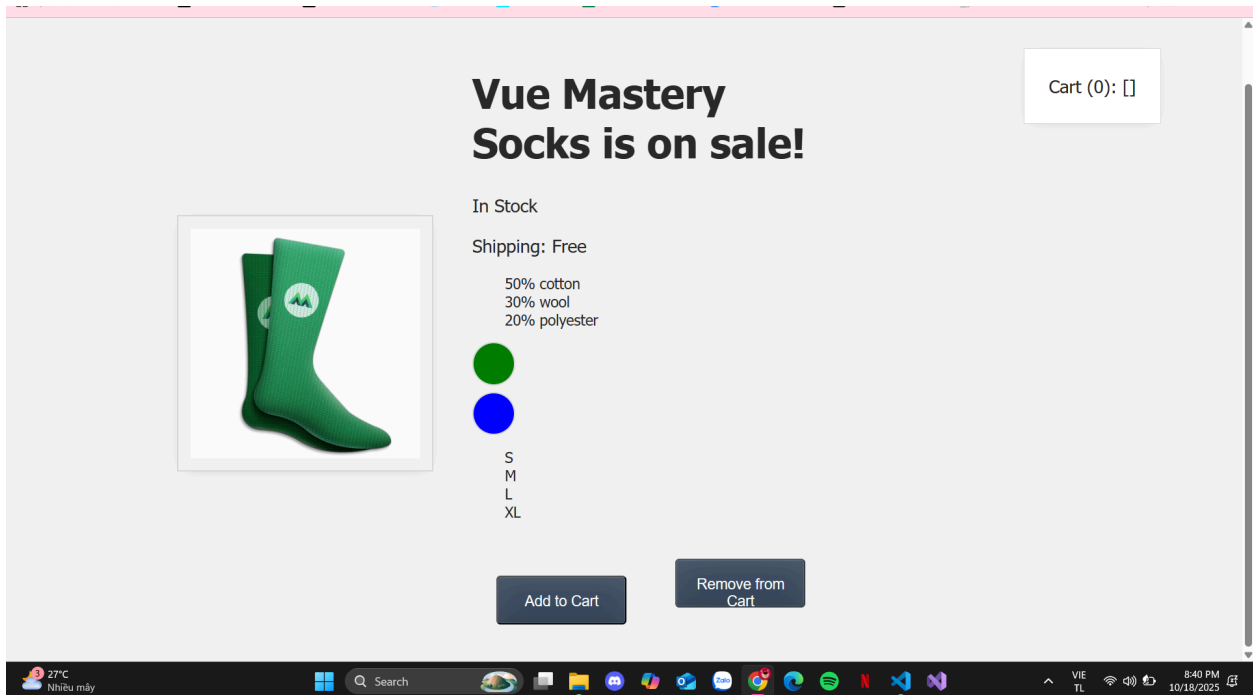
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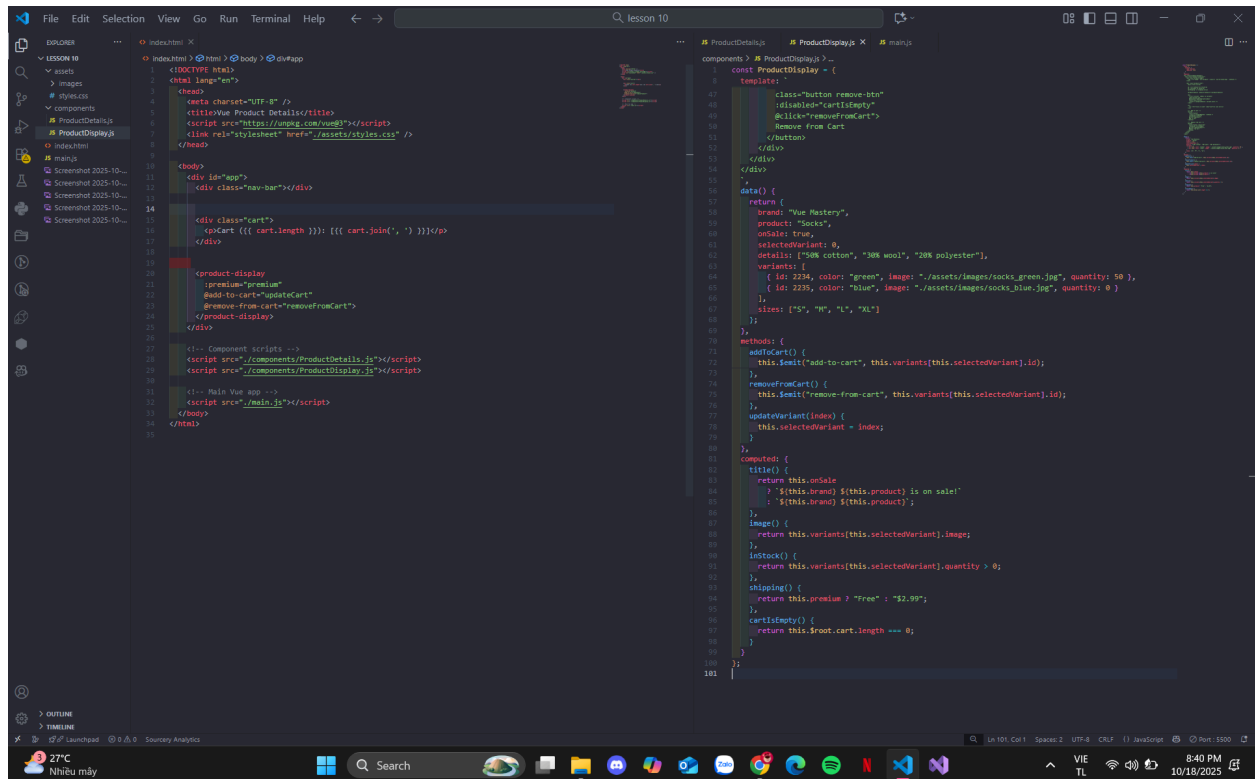


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Add to Cart

The image shows a VS Code editor window with two files open: `index.html` and `main.js`. The `index.html` file is a single-page application template for a shopping cart. It includes a navigation bar with a 'Cart' button, a 'Product Details' section, and a 'Product Display' section. The `main.js` file is the main entry point for the Vue application. It defines a Vue instance with a `data` object containing a `cart` array and a `prelude` boolean. It also defines a `methods` object with an `updateCart` function that pushes the current item to the cart. The application is mounted on the `#app` selector. The VS Code interface includes a sidebar with a file explorer, a search bar, and a status bar at the bottom showing the current file's encoding and line/col information.





In lessons 8, 9 and 10, I felt like I had a better understanding of how Vue components work and how parts of the application can communicate with each other. In lesson 8, I learned how to pass data between components using props and emit, which was confusing at first but with practice, I gradually got the hang of parent-child interactions. In lesson 9, I learned more about computed properties and methods, which made the code cleaner and easier to maintain. At that time, I really felt that Vue was quite “smart” because it could update the interface automatically when data changed.

In lesson 10, I learned how to separate component files like ProductDisplay.js and ProductDetails.js, which makes the project cleaner and more professional. Although I still encountered small errors when connecting files, after a few fixes, I understood the problem lies in the declaration and import. Overall, these three lessons helped me feel more confident in building basic Vue applications and I feel more interested in programming interactive interfaces.