

Lesson 5 :

The screenshot displays a development environment with two main windows: a code editor and a web browser.

Code Editor (VS Code):

- index.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"></script>
  </head>
  <body>
    <div id="app">
      <div class="nav-bar">
        <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>
              <ul>
                <li v-for="detail in details">{{ detail }}</li>
              </ul>
              <div class="product-image">
                
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
    <!-- Import file JS -->
    <script src="./main.js"></script>
  </body>
</html>
```
- main.js:**

```
const app = Vue.createApp({
  data() {
    return {
      product: "socks",
      image: "assets/images/socks_blue.jpg",
      instock: true,
      inventory: 12,
      details: ["50% cotton", "30% wool", "20% polyester"],
    };
  }
});
const mountedApp = app.mount("#app");
```

Browser:

- Address Bar:** 127.0.0.1:5500/index.html
- Page Content:**

Socks

In Stock

50% cotton
30% wool
20% polyester
- System Tray:** Shows weather (29°C), battery level (Nâng nhiều nơi), and system icons.

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 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="nav-bar"></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">
              {{ variant.color }}
            </div>
            <ul>
              <li v-for="size in sizes" :key="size">{{ size }}</li>
            </ul>
          </div>
        </div>
      </div>
    </div>
  </body>

```

JS main.js

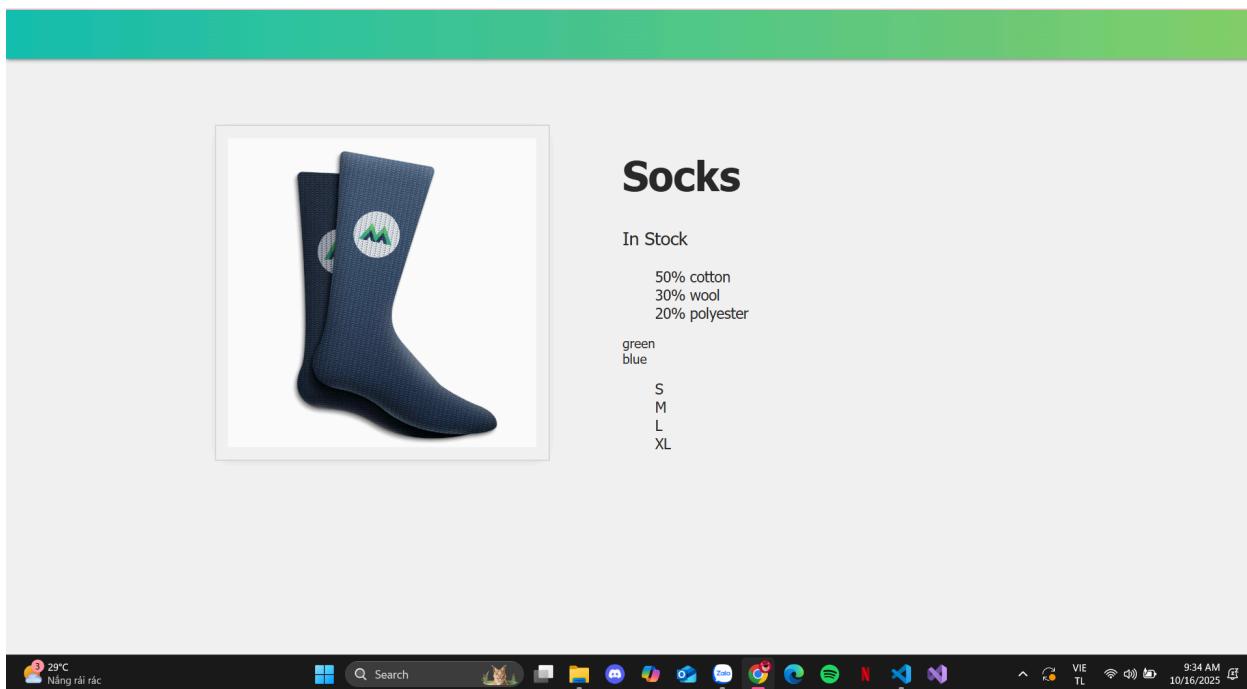
```

const app = Vue.createApp({
  data() {
    return {
      product: "socks",
      image: "assets/images/socks_blue.jpg",
      instock: true,
      inventory: 12,
      details: ["50% cotton", "30% wool", "20% polyester"],
      variants: [
        { id: 2234, color: "green" },
        { id: 2235, color: "blue" },
      ],
      sizes: ["S", "M", "L", "XL"],
    };
  },
});
const mountedApp = app.mount("#app");

```

Ln 41, Col 13 Spaces: 2 UTF-8 LF {} HTML ⚡ Port: 5500

Nắng rải rác



Lesson 6 :

```

File Edit Selection View Go Run Terminal Help ↻ → 🔍 lesson6
index.html # styles.css
index.html > html > body > div#app
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      <div class="cart">Cart({{ cart }})</div>
11      <div class="product-display">
12        <div class="product-container">
13          <div class="product-image">
14            
15          </div>
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" :key="detail">{{ detail }}</li>
22            </ul>
23            <div v-for="variant in variants" :key="variant.id">
24              {{ variant.color }}
25            </div>
26            <ul>
27              <li v-for="size in sizes" :key="size">{{ size }}</li>
28            </ul>
29            <button class="button" v-on:click="cart += 1">Add to Cart</button>
30          </div>
31        </div>
32      </div>
33    </div>
34  </div>
35  </div>
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41  </div>
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44  </div>
45  </div>
46

```

```

JS main.js
JS main.js > ⚡ app > data
const app = vue.createApp({
  data() {
    return [
      {
        cart: 0,
        product: "Socks",
        image: "assets/images/socks_blue.jpg",
        instock: true,
        inventory: 12,
        details: ["50% cotton", "30% wool", "20% polyester"],
        variants: [
          { id: 2234, color: "green" },
          { id: 2235, color: "blue" },
        ],
        sizes: ["S", "M", "L", "XL"],
      };
    ];
  }
});
const mountedApp = app.mount("#app");

```

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VIE TL
9:35 AM 10/16/2025

Nắng ráo rác
Cart(7)

Socks

In Stock



50% cotton
30% wool
20% polyester

green
blue

S
M
L
XL

Add to Cart

29°C Nắng ráo rác
Search 🌐
VIE TL
9:35 AM 10/16/2025

File Edit Selection View Go Run Terminal Help ← →

lesson6

index.html styles.css

```

<!DOCTYPE html>
<html lang="en">
  <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>

```

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");

```

Launchpad

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index.html styles.css

Cart (1)

10:48 AM 10/16/2025

Socks

In Stock



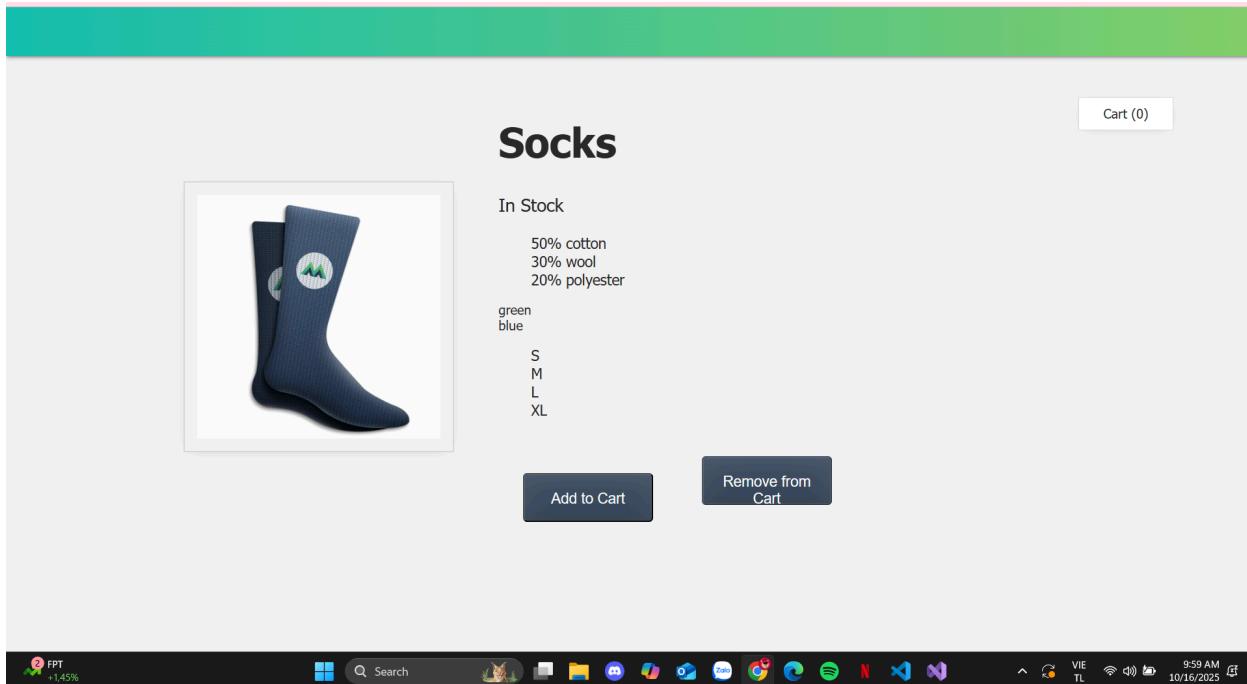
50% cotton
30% wool
20% polyester

green
blue

S
M
L
XL

Add to Cart Remove from Cart

FPT 1:45% 9:59 AM 10/16/2025



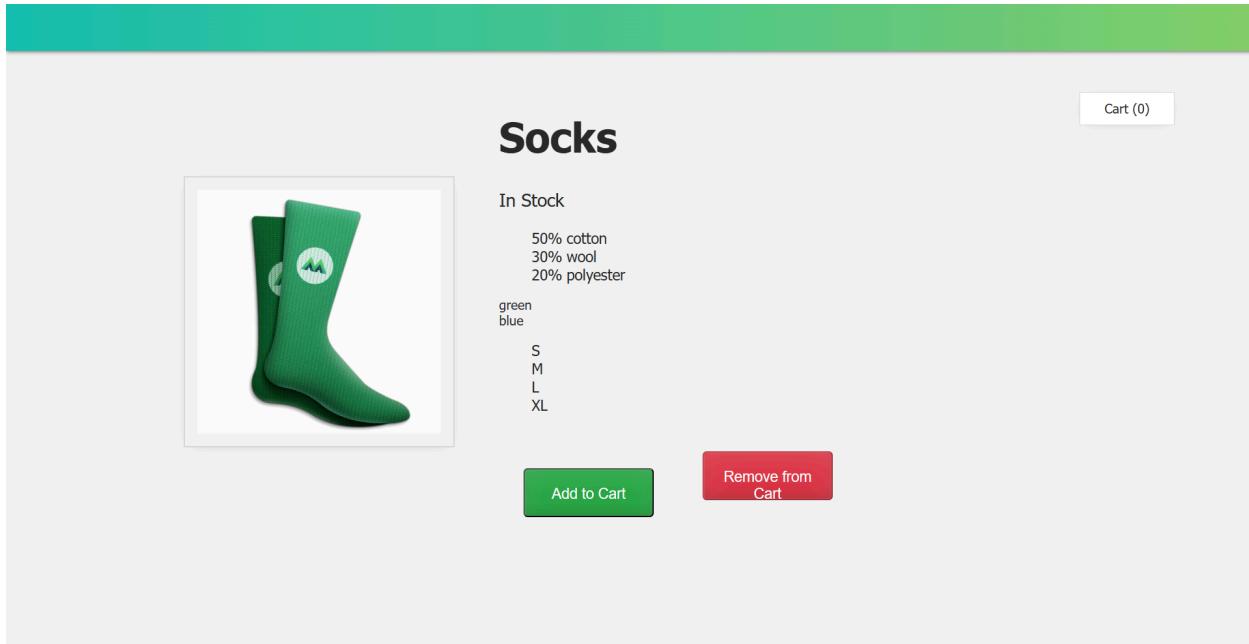
Lesson 7 :

lesson6

```

File Edit Selection View Go Run Terminal Help ← →
index.html x # styles.css
index.html > <html lang="en">
  <head>
    <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 add" @click="addToCart">Add to Cart</button>
            <button class="button remove" @click="removeFromCart" :disabled="cart <= 0">Remove</button>
          </div>
        </div>
      </div>
    </div>
  </div>
<!-- Import JS -->

```



HPG +1,06%

File Edit Selection View Go Run Terminal Help ← → lesson7

EXPLORER index.html index.html X

```

<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Socks</title>
  </head>
  <body>
    <div id="app">
      <div class="nav-bar"></div>
      <div class="cart">Cart (0)</div>
      <div class="product-display">
        <div class="product-container">
          <div class="product-image">
            <img alt="product" />
          </div>
          <div class="product-info">
            <div>
              <span>In Stock</span>
              <span>Out of Stock</span>
            </div>
            <ul v-for="detail in details" :key="detail"><li>{{ detail }}</li></ul>
            <div v-for="variant in variants" :key="variant.id" @mouseover="updateImage(variant.image)">
              <span>{{ variant.color }}</span>
              
            </div>
            <ul>
              <li v-for="size in sizes" :key="size">{{ size }}</li>
            </ul>
            <div>
              <button class="button add" @click="addToCart">Add to Cart</button>
              <button class="button remove" @click="removeFromCart" :disabled="cart < 0">Remove from Cart</button>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>

```

main.js

```

1  const app = Vue.createApp({
2    data() {
3      return {
4        cart: 0,
5        products: "Socks",
6        image: "assets/images/socks_blue.jpg",
7        inventory: 12,
8        details: ["50% cotton", "30% wool", "20% polyester"],
9        variants: [
10          { id: 2234, color: "green", image: "assets/images/socks_green.jpg" },
11          { id: 2235, color: "blue", image: "assets/images/socks_blue.jpg" }
12        ],
13        sizes: ["S", "M", "L", "XL"]
14      };
15    },
16    methods: {
17      addToCart() {
18        this.cart += 1;
19      },
20      removeFromCart() {
21        if (this.cart > 0) {
22          this.cart -= 1;
23        }
24      },
25      updateImage(variantImage) {
26        this.image = variantImage;
27      }
28    }
29  });
30  app.mount("#app");
31
32

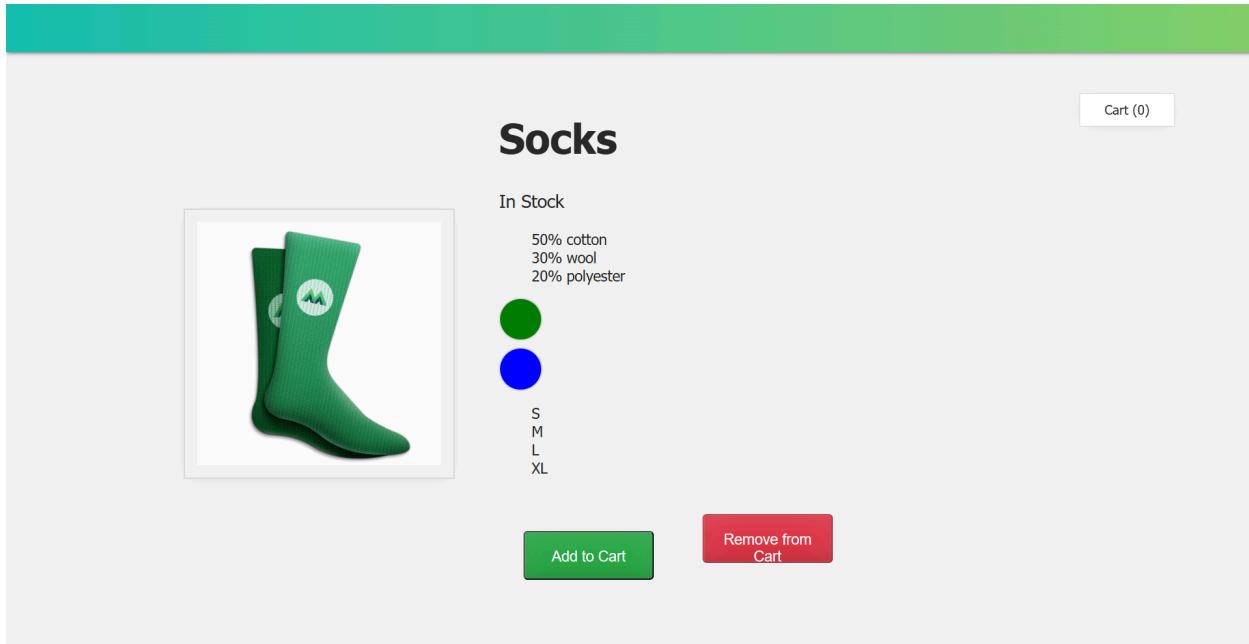
```

10:14 AM 10/16/2025

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OUTLINE TIMELINE Launchpad Source Analytics

30°C Nắng nhiều nơi



lesson7

```

File Edit Selection View Go Run Terminal Help ← →
File Explorer ...
index.html styles.css
index.html html body app product-display product-container product-info button.button
index.html
<html lang="en">
<head>
</head>
<body>
<div id="app">
<div class="cart">Cart {{ cart }}</div>
<div class="product-display">
<div class="product-container">
<div class="product-image">

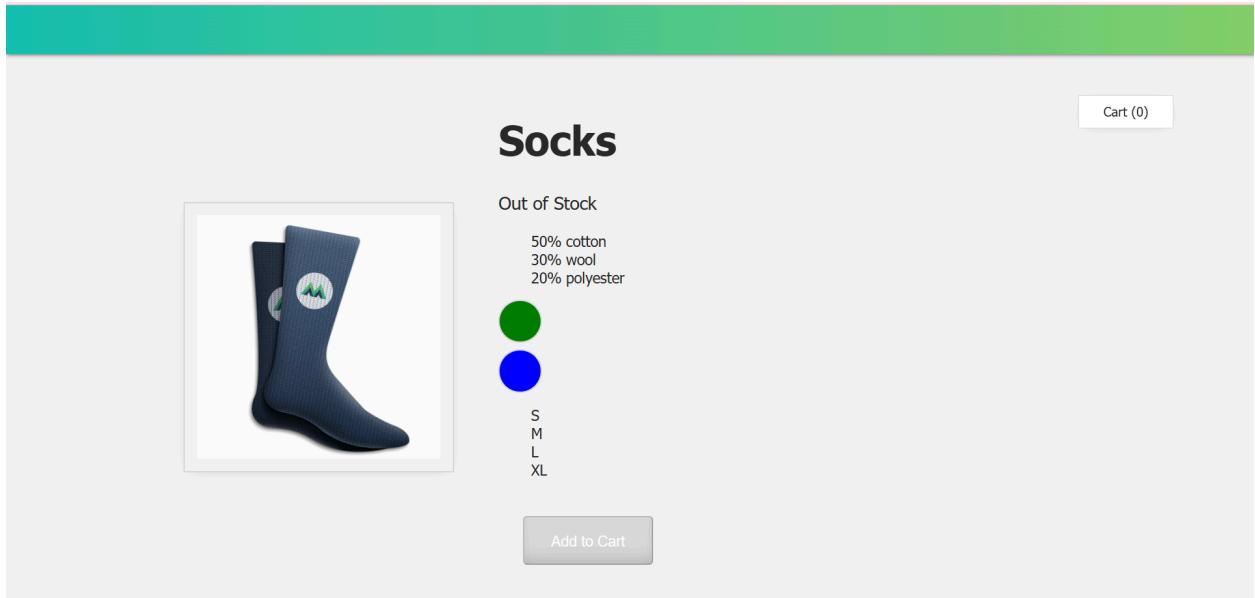
</div>
<div class="product-info">
<div v-for="product" key="product">
<p v-if="!inStock">Stock</p>
<p v-else>Out of Stock</p>
<ul>
<li v-for="detail in details" key="detail">{{ detail }}</li>
</ul>
<div v-for="variant in variants" key="variant.id" @mouseover="updateImage(variant.image)">
<div class="color-circle" :style="( backgroundColor: variant.color )"></div>
<ul>
<li v-for="size in sizes" key="size">{{ size }}</li>
</ul>
<button class="button" :disabled="disabled" :disabled="!inStock" @click="addCart">>Add to Cart</button>
</div>
</div>
</div>
</div>
<!-- Import JS -->
<script src="./main.js"></script>
</body>
</html>

```

```

main.js
<script src="main.js"></script>
<div>Cart (0)</div>
<h1>Socks</h1>
<h2>In Stock</h2>
<img alt="Two green socks with a logo" />
<p>50% cotton<br/>30% wool<br/>20% polyester</p>
<div>
<img alt="Green circle" />
<img alt="Blue circle" />
<ul>
<li>S</li>
<li>M</li>
<li>L</li>
<li>XL</li>
</ul>
</div>
<div>
<button>Add to Cart</button>
<button>Remove from Cart</button>
</div>

```



30°C Nắng nhiều nơi

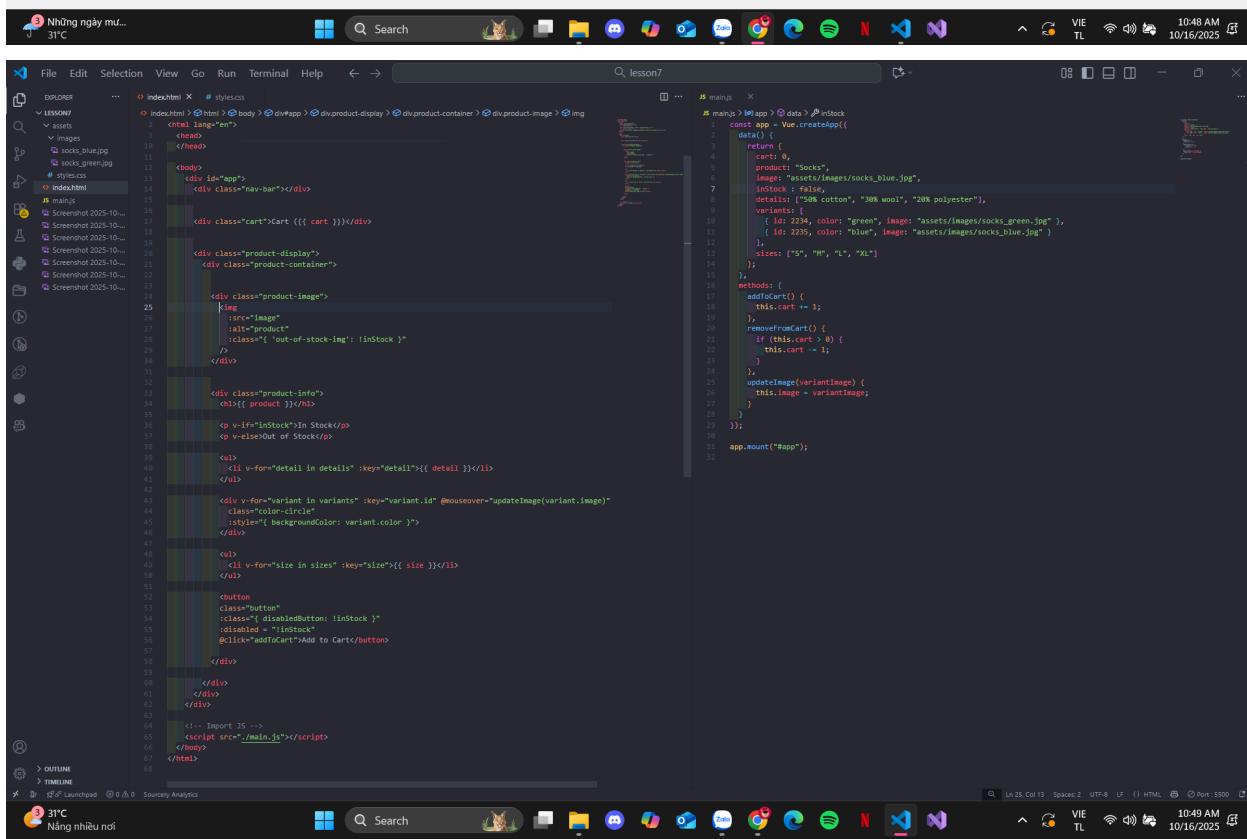
File Edit Selection View Go Run Terminal Help ← →

lesson7

File Explorer

```

assets> # styles.css
  155 select {
  156   height: 40px;
  157   font-size: 20px;
  158   background-color: white;
  159   cursor: pointer;
  160 }
  161
  162 textures {
  163   width: 95px;
  164   height: 70px;
  165   padding: 10px;
  166   font-size: 20px;
  167   margin-bottom: 20px;
  168 }
  169
  170 ul {
  171   list-style-type: none;
  172 }
  173
  174 @media only screen and (max-width: 600px) {
  175   .container {
  176     flex-direction: column;
  177   }
  178
  179   .product-image,
  180   .product-details {
  181     margin-left: 10px;
  182     width: 100px;
  183   }
  184
  185   .review-form {
  186     width: 100px;
  187   }
  188 }
  189
  190 .button.add {
  191   background-color: #28a745;
  192   color: white;
  193 }
  194
  195 .button.remove {
  196   background-color: #dc3545;
  197   color: white;
  198 }
  199 .disabledButton {
  200   background-color: #dcdcdc;
  201   cursor: not-allowed;
  202 }
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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.