

# Lab1

The screenshot displays the Visual Studio Code (VS Code) interface with the **Live Sass Compiler** extension installed and active. The interface is divided into several panels:

- EXTENSIONS: MARKETPLACE:** Shows a list of installed and available extensions. The **Live Sass Compiler** extension by Glenn Marks is highlighted, showing its version (6.1.4), download count (2,443,324), and rating (4.5 stars).
- Extension: Live Sass Compiler:** The main panel displays the extension's details, including its description ("Compile Sass or Scss to CSS at realtime"), version, and a "A Quick Guide" image. It also shows the extension's settings and a "Build with agent mode" button.
- EXPLORER:** Shows the file structure of the project, including `index.html`, `main.scss`, `main.css`, and `main.css.map`.
- EDITOR:** Displays the `index.html` file, which contains a simple HTML structure with a header, a main content area, and a footer. The `main.scss` file is also open, showing the Sass code being compiled.
- PROBLEMS:** Shows a list of errors or warnings. In this case, there is a warning about a deprecated function: `background: darken($primary, 8%);` is deprecated and will be removed in Sass 2.0.
- OUTPUT:** Displays the output of the Live Sass Compiler, showing the generated CSS file (`main.css`) and the `main.css.map` file.

The bottom status bar indicates the current file is `index.html`, line 26, column 8, and the encoding is UTF-8. The **Finish Setup** button is visible in the bottom right corner.

EXPLORER

WEEK3\_LAB1

index.html

# main.css

main.css.map

main.scss

main.css

```
# main.css > .button-submit
1 .button-submit, .button-report, .button-basic {
2   display: inline-block;
3   padding: 0.5rem 1rem;
4   border: none;
5   border-radius: 6px;
6   cursor: pointer;
7   font-weight: bold;
8   text-decoration: none;
9 }
10
11 body {
12   font-family: Arial, sans-serif;
13   background: #f7fafc;
14   padding: 2rem;
15 }
16
17 h1 {
18   color: #2b6cb0;
19 }
20
21 .cards {
22   display: flex;
23   gap: 1rem;
24   margin-bottom: 2rem;
25 }
26
27 .card-1 {
28   padding: 1rem;
```

PROBLEMS

OUTPUT

Filter

Live Sass Compile

More info: <https://sass-lang.com/d/color-functions>

74 | background: darken(\$primary, 8%);

^.....^

file:///Users/uyen.hdt/Desktop/week3\_lab1/main.scss:74:14

THIS IS DEPRECATED AND WILL BE REMOVED IN SASS 2.0

Generated:

/Users/uyen.hdt/Desktop/week3\_lab1/main.css.map

/Users/uyen.hdt/Desktop/week3\_lab1/main.css

Watching...

CHAT

Build with agent mode

Let's get started

Add context (#), extensions (@), comman

Build Workspace

Show Config

AI responses may be inaccurate.

0 0 0

Watching... Ln 1, Col 1 Spaces: 2 UTF-8 LF () CSS Finish Setup

EXPLORER

WEEK3\_LAB1

index.html

# main.css

main.css.map

main.scss

main.scss

```
main.scss >
1 $primary: #2b6cb0;
2 $secondary: #e3d4fe;
3 $danger: #e53e3e;
4 $radius: 10px;
5
6 @mixin card($padding: 1rem, $shadow: 0 2px 6px #00000015) {
7   padding: $padding;
8   border-radius: $radius;
9   box-shadow: $shadow;
10  background: white;
11  text-align: center;
12 }
13
14 %btn-base {
15   display: inline-block;
16   padding: 0.5rem 1rem;
17   border: none;
18   border-radius: 6px;
19   cursor: pointer;
20   font-weight: bold;
21   text-decoration: none;
22 }
23
24 body {
25   font-family: Arial, sans-serif;
26   background: #f7fafc;
27   padding: 2rem;
28 }
```

PROBLEMS

OUTPUT

Filter

Live Sass Compile

59 | background: darken(\$primary, 8%);

^.....^

file:///Users/uyen.hdt/Desktop/week3\_lab1/main.scss:59:14

THIS IS DEPRECATED AND WILL BE REMOVED IN SASS 2.0

Generated:

/Users/uyen.hdt/Desktop/week3\_lab1/main.css.map

/Users/uyen.hdt/Desktop/week3\_lab1/main.css

Watching...

CHAT

Build with agent mode

Let's get started

Add context (#), extensions (@), comman

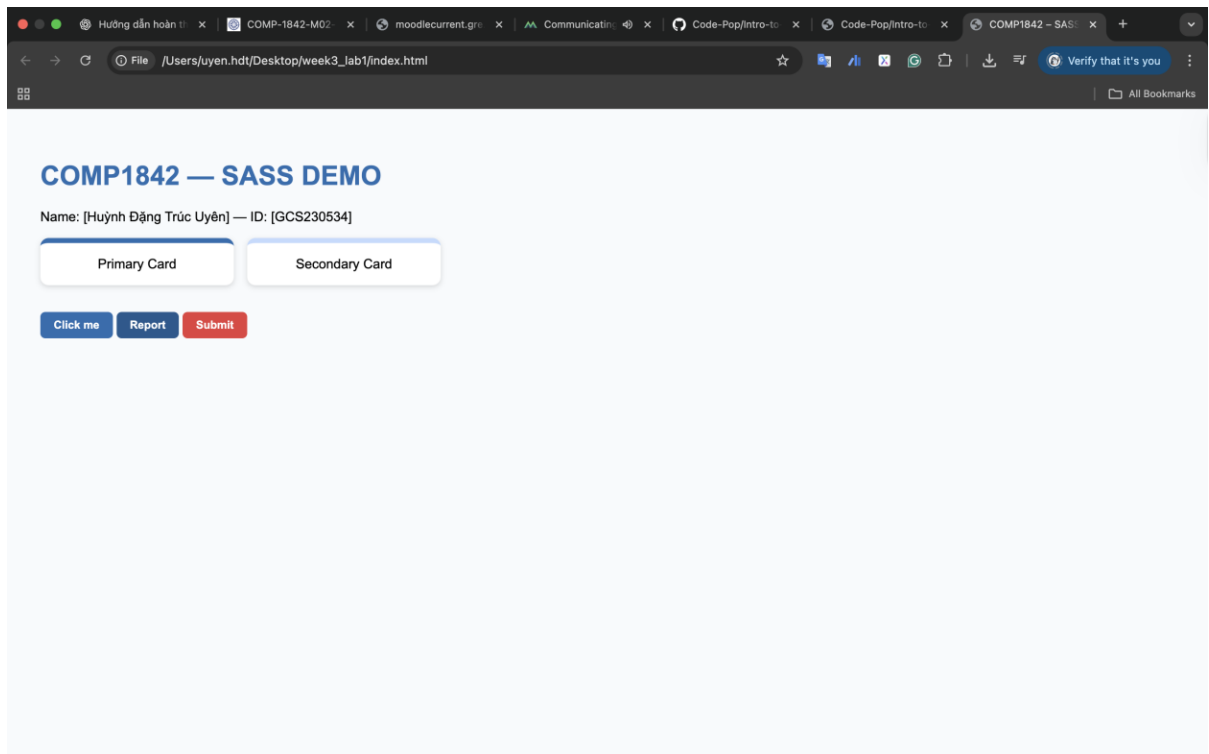
Build Workspace

Show Config

AI responses may be inaccurate.

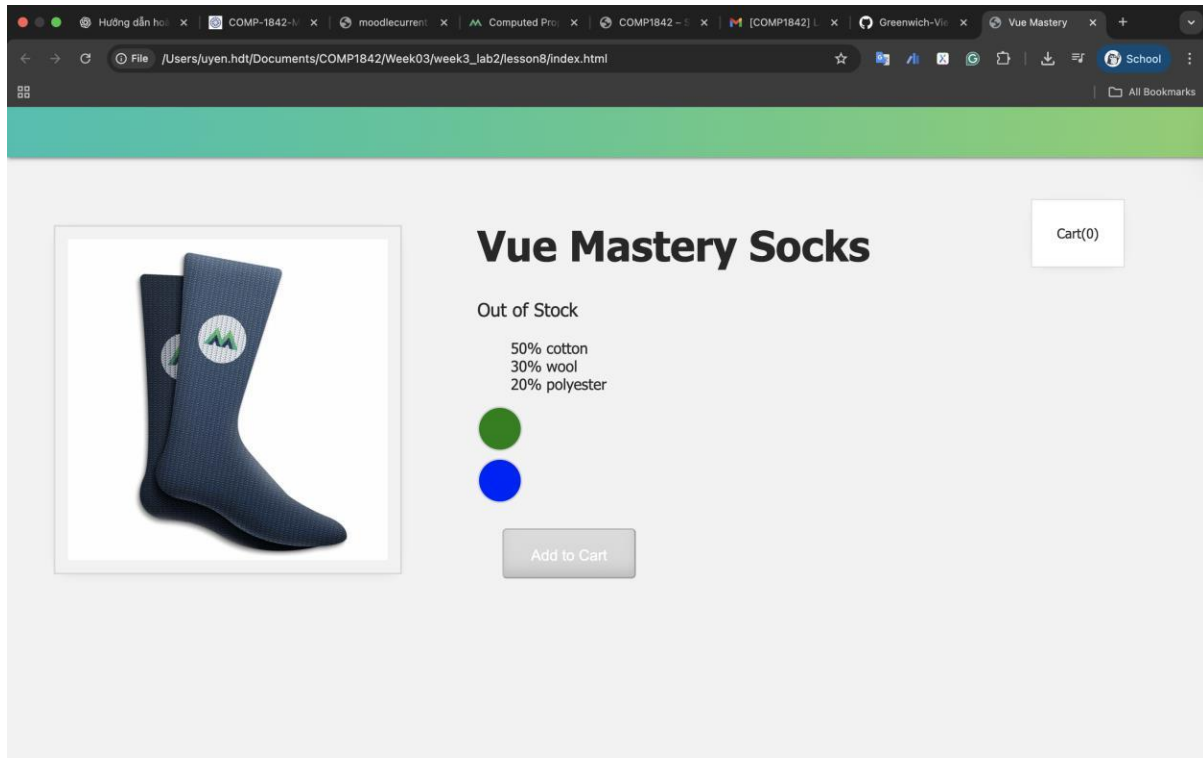
0 0 0

Watching... Ln 51, Col 1 Spaces: 4 UTF-8 LF () SCSS Finish Setup



# Lab2

## Lesson 8



Computed Properties - Intro

[COMP1842] Lab 03 Submis

Greenwich-Vietnam-Classro

Vue Mastery

Logbook\_w2.docx

File /Users/uyen.hdt/Documents/COMP1842/Week03/week3\_lab2/lesson8/index.html

Dimensions: Responsive 855 x 691 100% No throttling 'Save-Data: default'

Elements

Console

Sources

Network

<!DOCTYPE html>

<html lang="en">

<head>

</head>

<body>

<div id="app" data-v-app>

</div>

</body>

</html>

Styles

Computed

Layout

Event Listeners

DOM Breakpoints

Filter

show

cls

+

[-]

[-]

element.style {

}

body {

background-color: #2f2f2f;

margin: 0px;

font-family: tahomea;

color: #282828;

}

body {

display: block;

margin: 0px;

}

Console

What's new

AI assistance

Issues

top

Filter

Custom levels

No issues

5 messages

vue.glo...

5 user me...

No errors

4 warnings

1 info

No verbose

You are running a development build of Vue.

Make sure to use the production build (\*.prod.js) when deploying for production.

[Vue warn]: Property "image" was accessed during render but is not defined on instance.

at <App>

[Vue warn]: Property "inStock" was accessed during render but is not defined on instance.

at <App>

Vue Mastery Socks

Out of Stock

50% cotton

30% wool

20% polyester

Cart(0)

Add to Cart

Vue Mastery Socks

In Stock


50% cotton

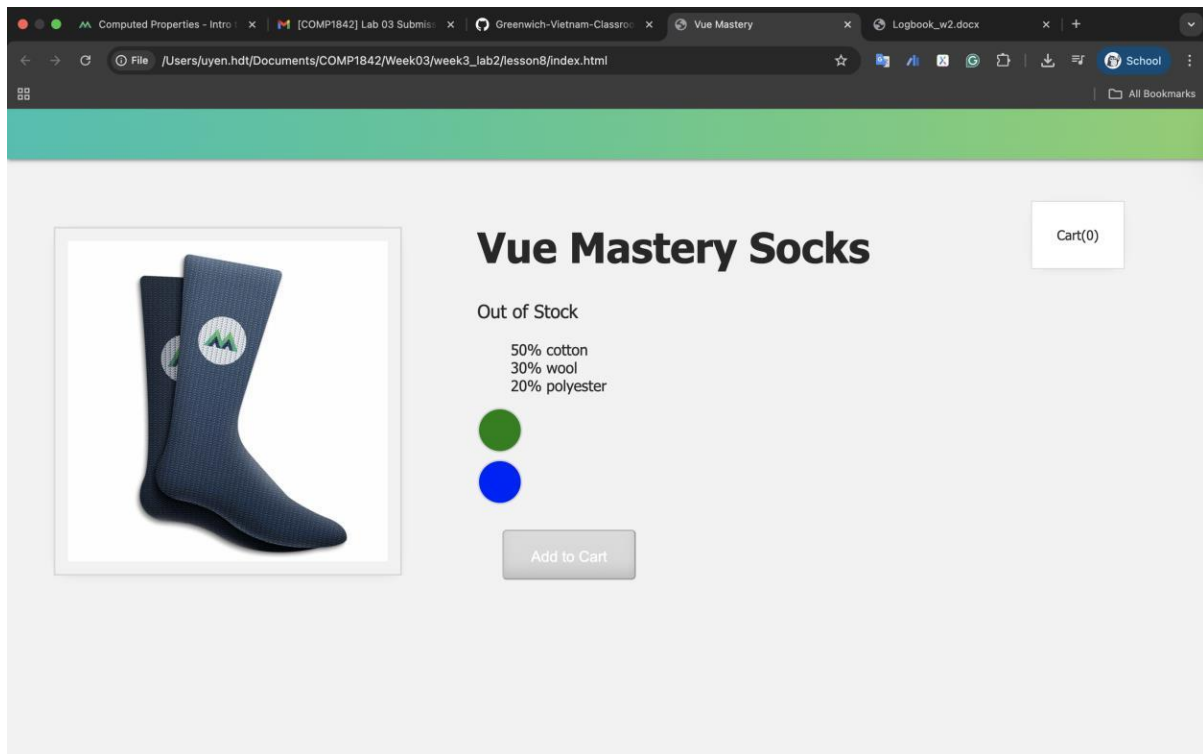
30% wool

20% polyester

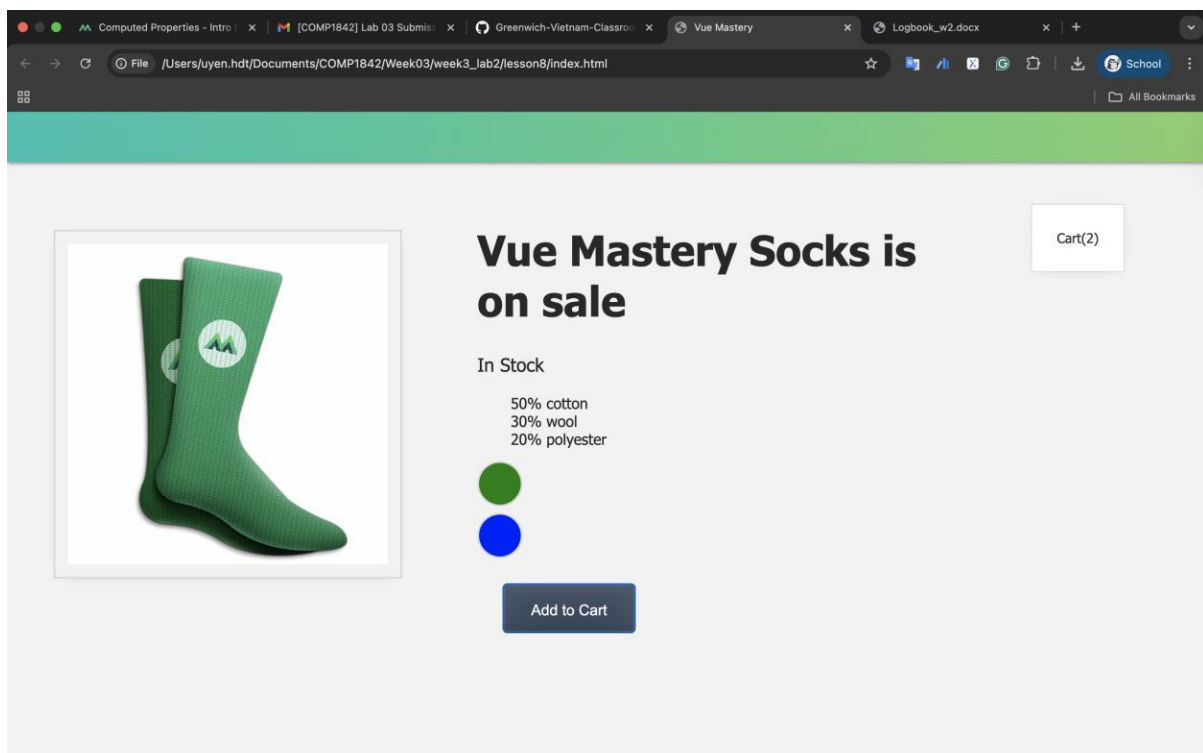
Cart(0)

Add to Cart

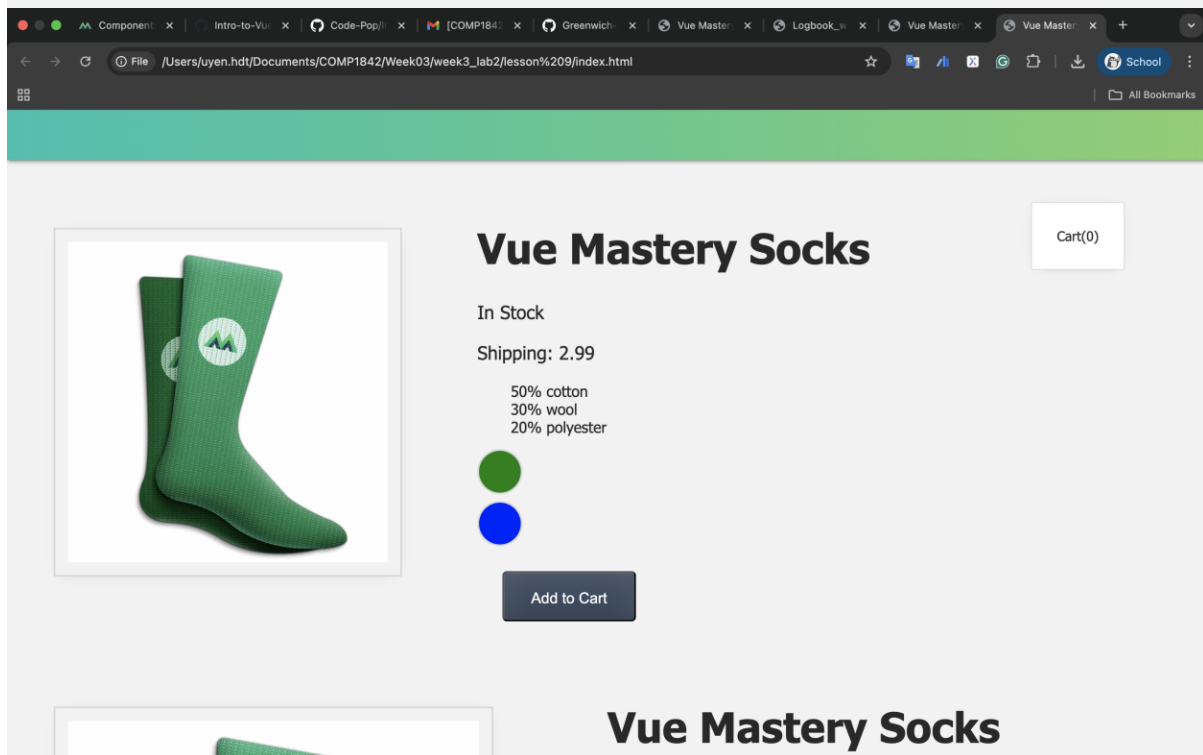
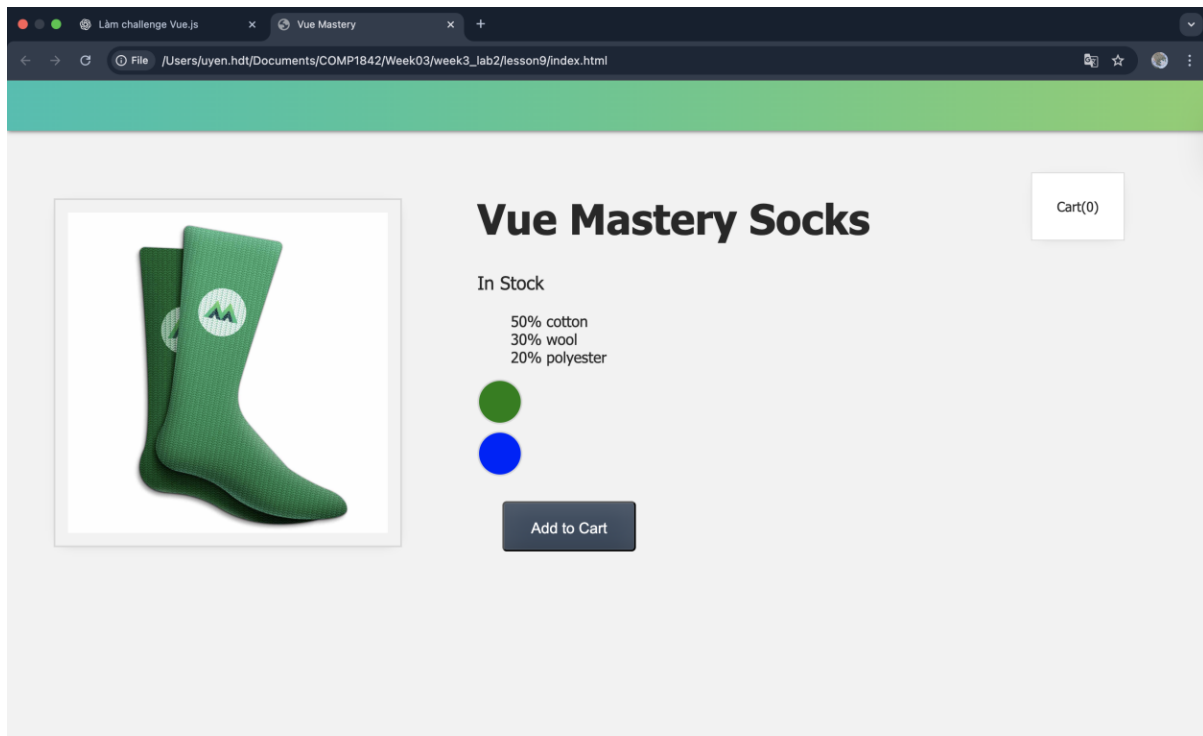


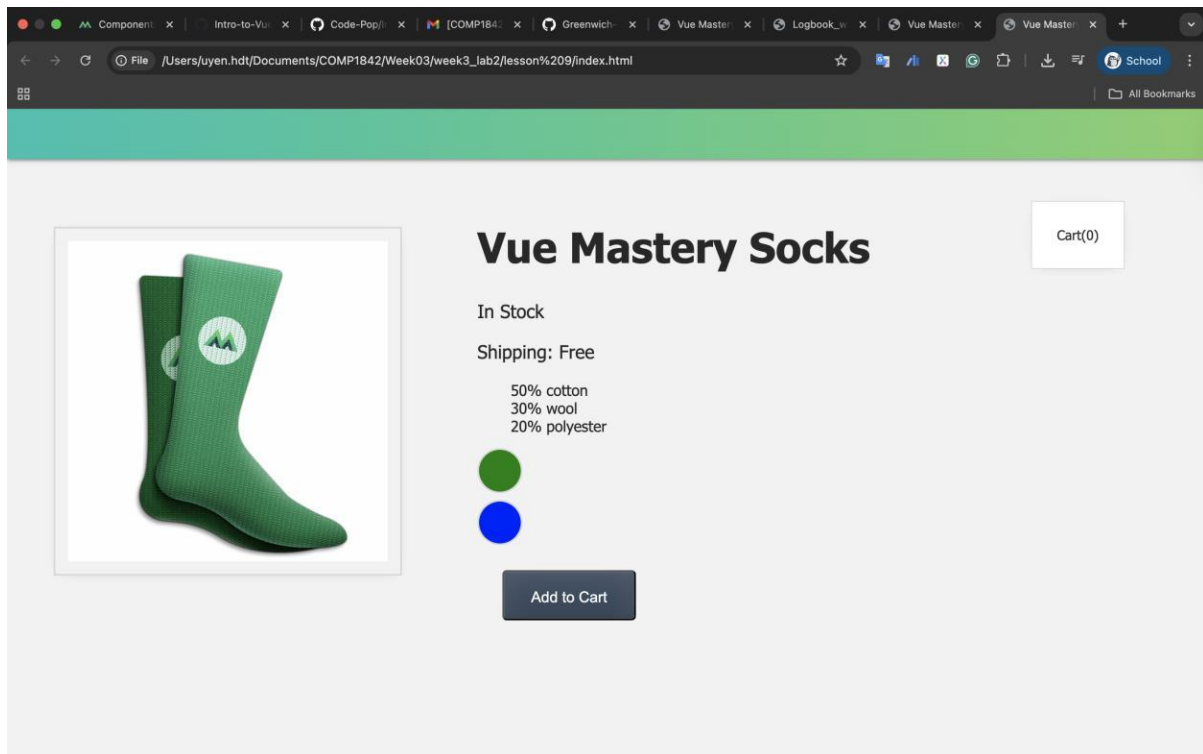


## Challenge

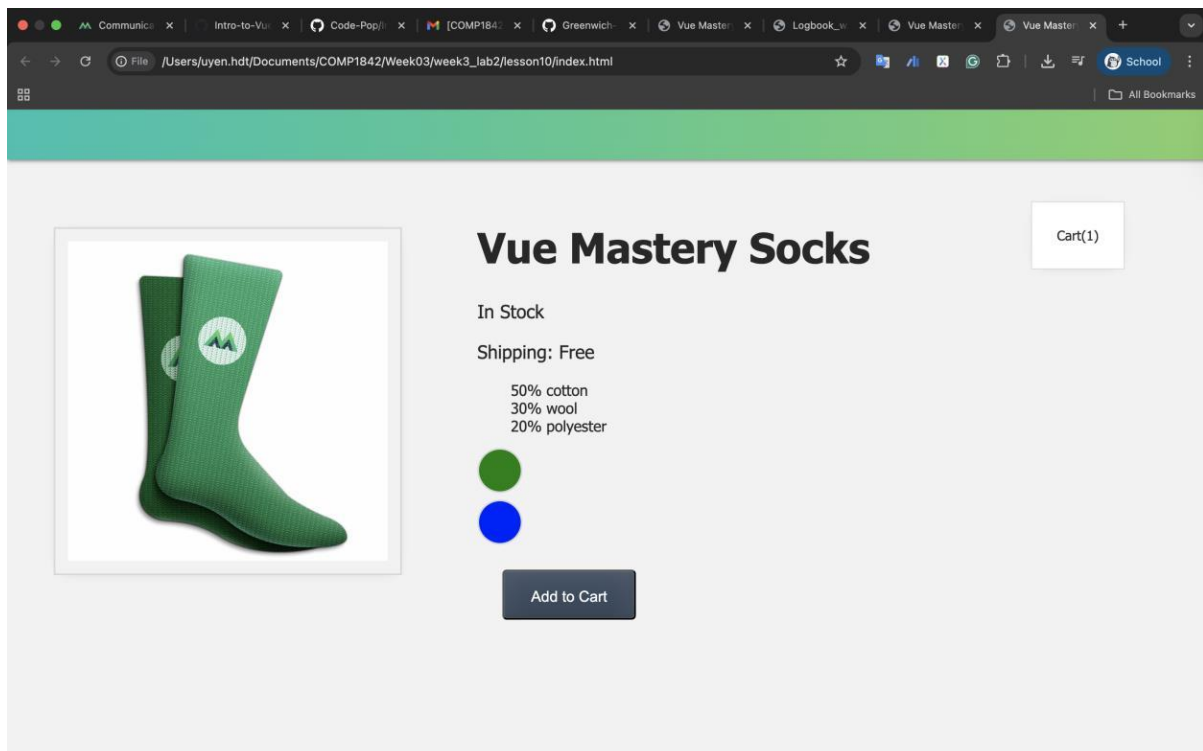


## Lesson 9

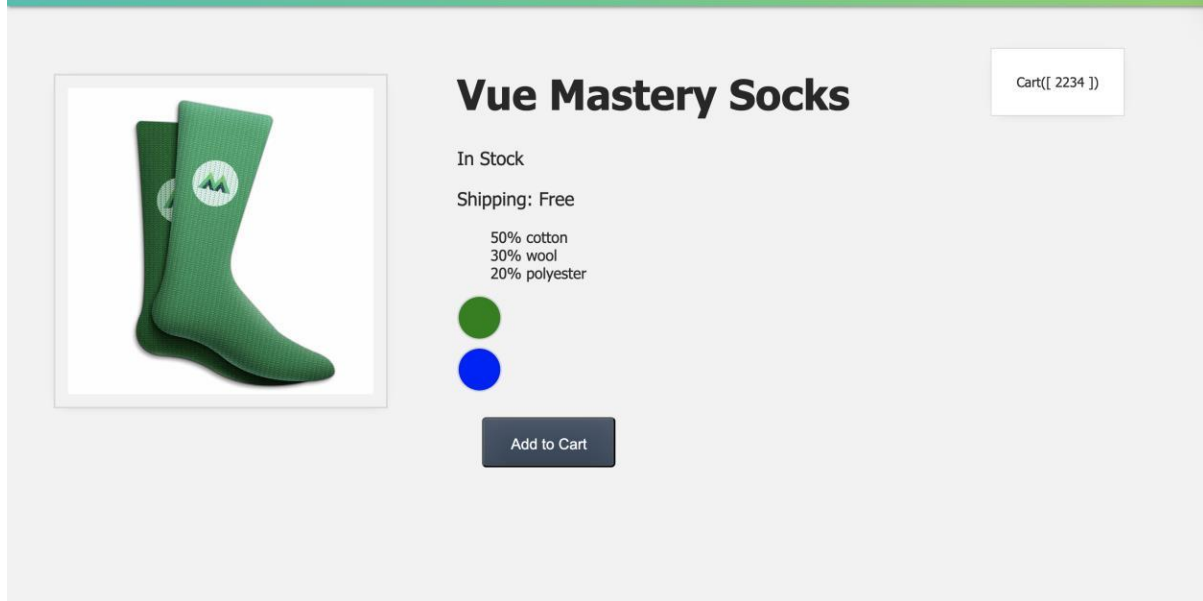
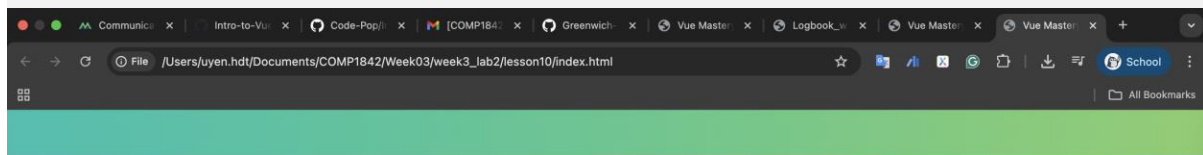
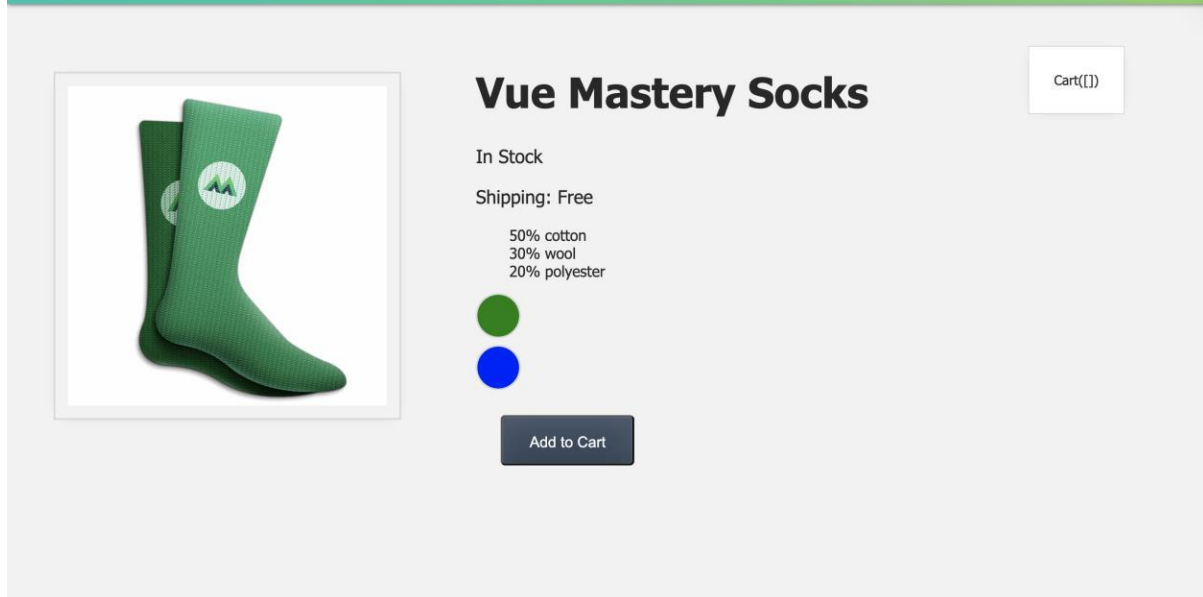
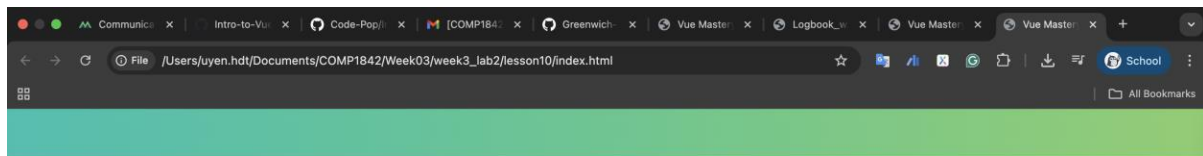




## Lesson 10









## Vue Mastery Socks

Cart([ 2234, 2234 ])

In Stock

Shipping: Free

50% cotton  
30% wool  
20% polyester



Add to Cart



## Vue Mastery Socks

Cart(4)

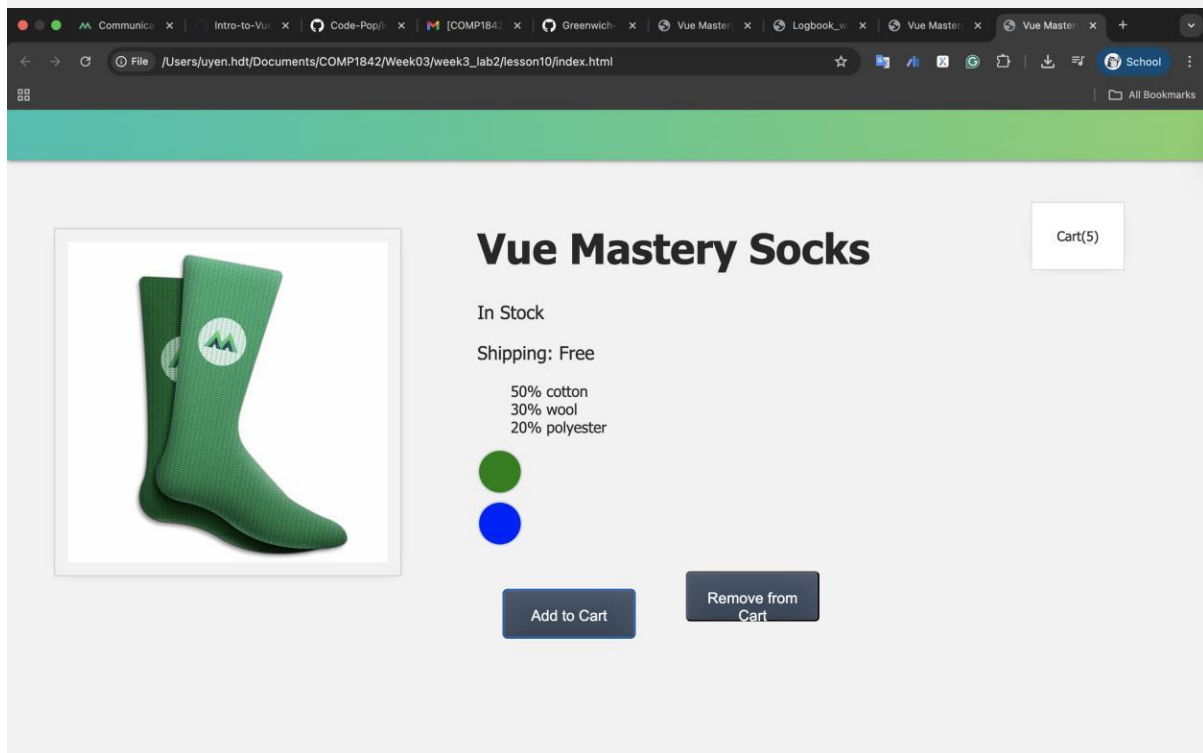
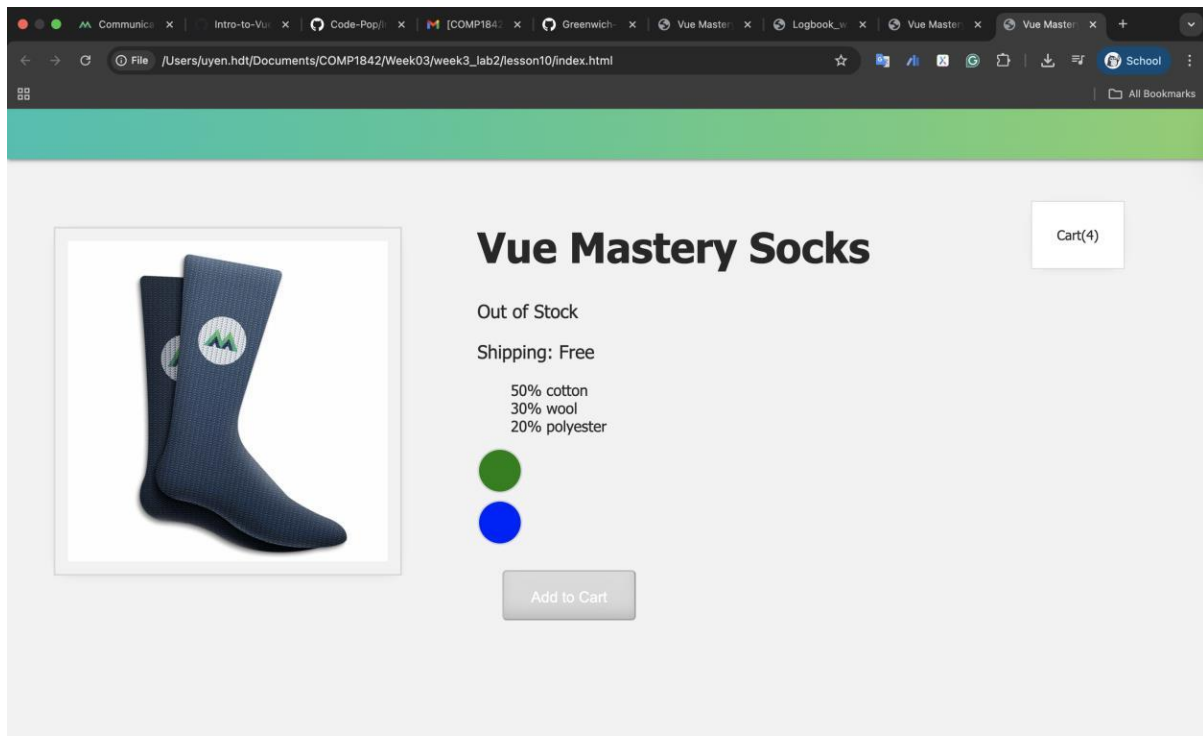
In Stock

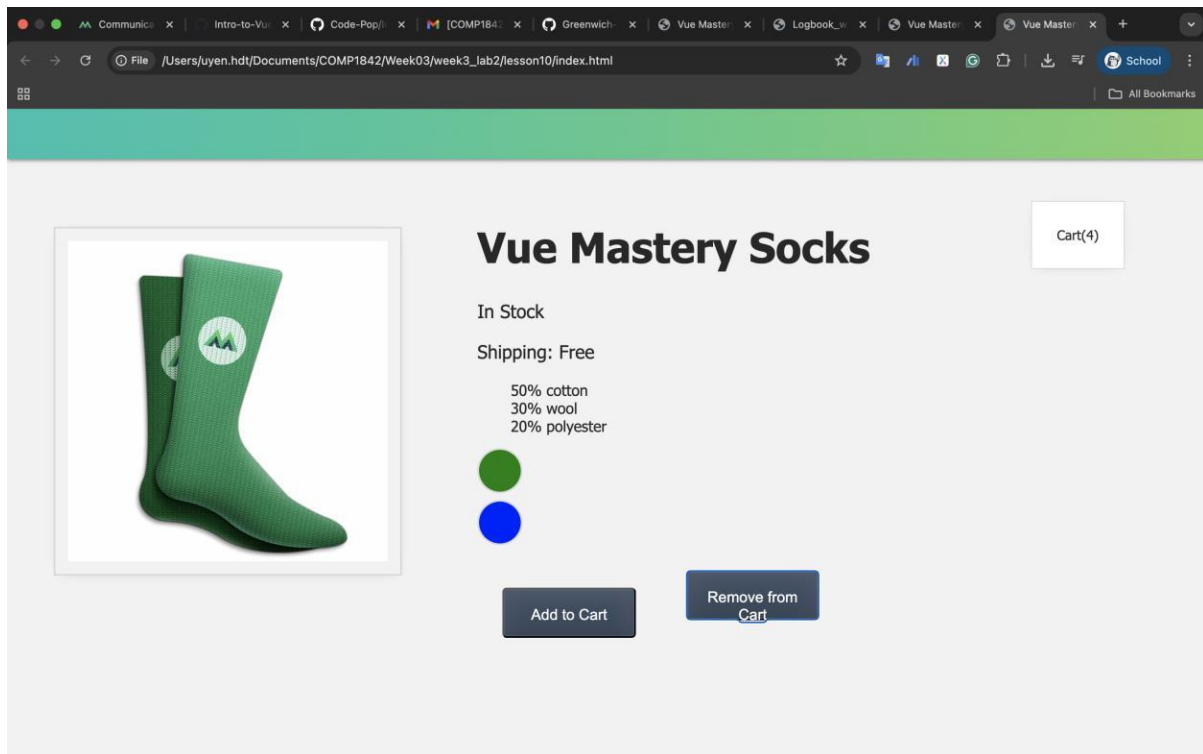
Shipping: Free

50% cotton  
30% wool  
20% polyester



Add to Cart





Annotation – What I learned about:

During Week 3, I gained insights into how the scalability of Vue.js is achieved through computed properties, reusable components, as well as custom events. In Lesson 8, the topic was centered on computed properties, their capabilities, as well as their use in dynamic value rendering, depending on the application's current state. In this case, the value of the 'title' property will change depending on whether the product is on sale, as well as the image being displayed depending on the different variants.

Lesson 9 taught me about reusable components. I was able to create a different component for product details, then passed information into that component via props. This was important because this is exactly how I would be able to break down a large application into manageable pieces. I was also able to set up a calculated shipping cost that would depend on whether the customer was a premium member. I also learned that props allow the parent component to deliver information down through the application.

In Lesson 10, I gained knowledge about how child components communicate with their parent component through custom events. Rather than manipulating the cart within the component, the addToCart and removeFromCart functions now call the \$emit() function, allowing the parent component to manipulate the cart array. This helped in creating a more flexible and realistic application. By taking this series of courses, I was better able to comprehend how data flow occurs within a component-based system.

