

# Marketplace Frontend Components Documentation

## Overview

This document outlines the dynamic frontend components created for the marketplace application. These components are designed to provide a seamless user experience and include product listings, search functionality, shopping cart, checkout flow, reviews, ratings, and consistent header/footer sections.

## 1. Product Listing Component

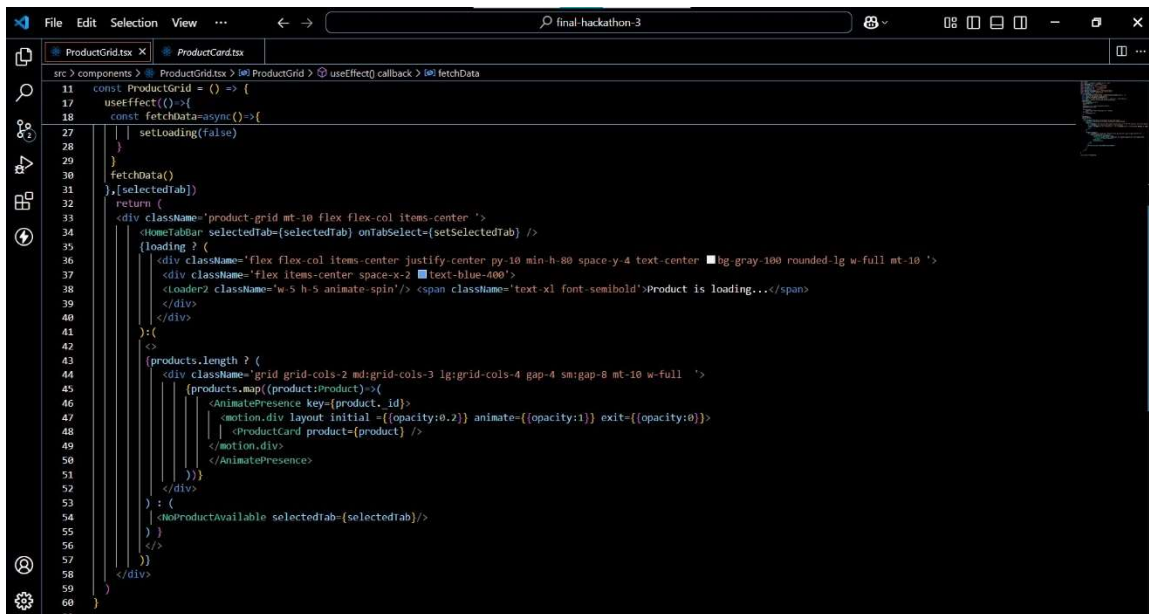
### Description:

The Product Listing Component displays a grid of products fetched dynamically from the API or Sanity CMS. Each product card includes details like the product name, price, image, and stock status.

### Features:

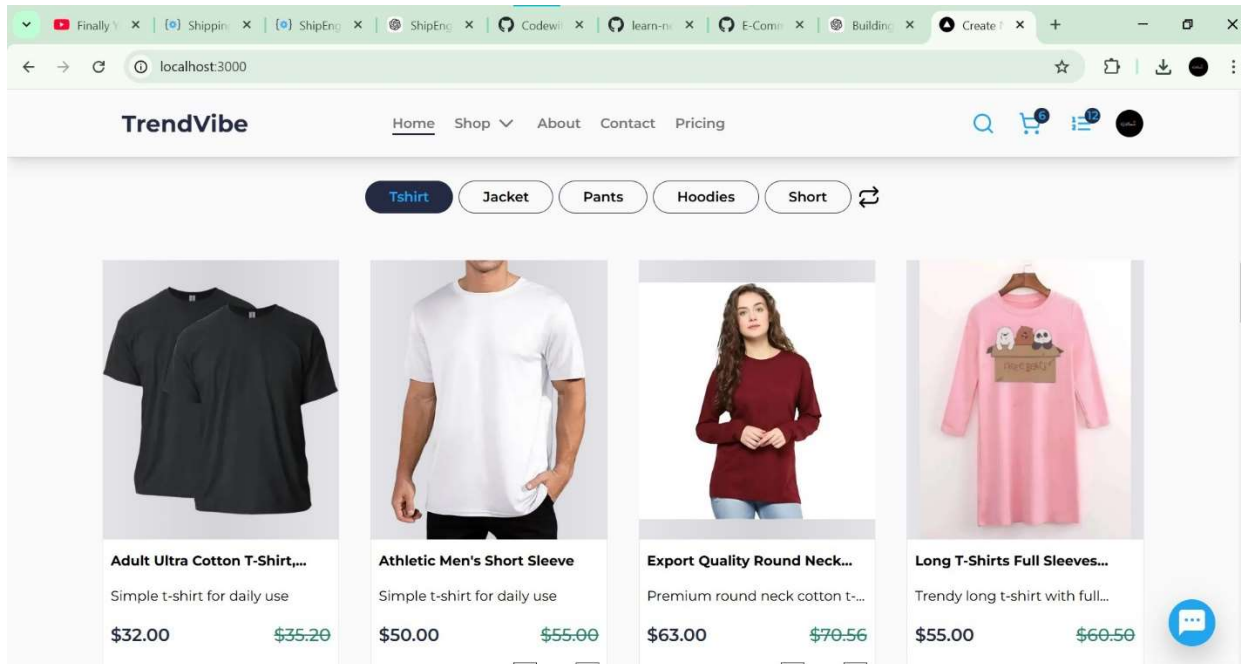
- Grid layout for products.
- Data fetched dynamically via API.
- Displays product name, price, image, and stock status.

### Code Screenshot:



```
File Edit Selection View ... final-hackathon-3
ProductGrid.tsx ProductCard.tsx
src > components > ProductGrid.tsx > ProductGrid > useEffect() callback > fetchData
11 const ProductGrid = () => {
17   useEffect(() => {
18     const fetchData = async () => {
27       setLoading(false)
28     }
29   })
30   fetchData()
31 }, [selectedTab])
32 return (
33   <div className="product-grid mt-10 flex flex-col items-center">
34     <HomeTabBar selectedTab={selectedTab} onTabSelect={setSelectedTab} />
35     <loading ? (
36       <div className="flex flex-col items-center justify-center py-10 min-h-80 space-y-4 text-center bg-gray-100 rounded-lg w-full mt-10">
37         <div className="flex items-center space-x-2 text-blue-400">
38           <loader2 className="w-3 h-5 animate-spin"/> <span className="text-xl font-semibold">Product is loading...</span>
39         </div>
40       </div>
41     ) : (
42       <div>
43         {products.length ? (
44           <div className="grid grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-4 sm:gap-8 mt-10 w-full">
45             {products.map((product: Product) => (
46               <AnimatePresence key={product.id}>
47                 <motion.div layout initial={{opacity:0.2}} animate={{opacity:1}} exit={{opacity:0}}>
48                   <ProductCard product={product} />
49                 </motion.div>
50               </AnimatePresence>
51             ))}
52           </div>
53         ) : (
54           <NoProductAvailable selectedTab={selectedTab} />
55         )
56       </div>
57     )}
58   </div>
59 )
60 }
```

### UI Screenshot:



## 2. Product Detail Component

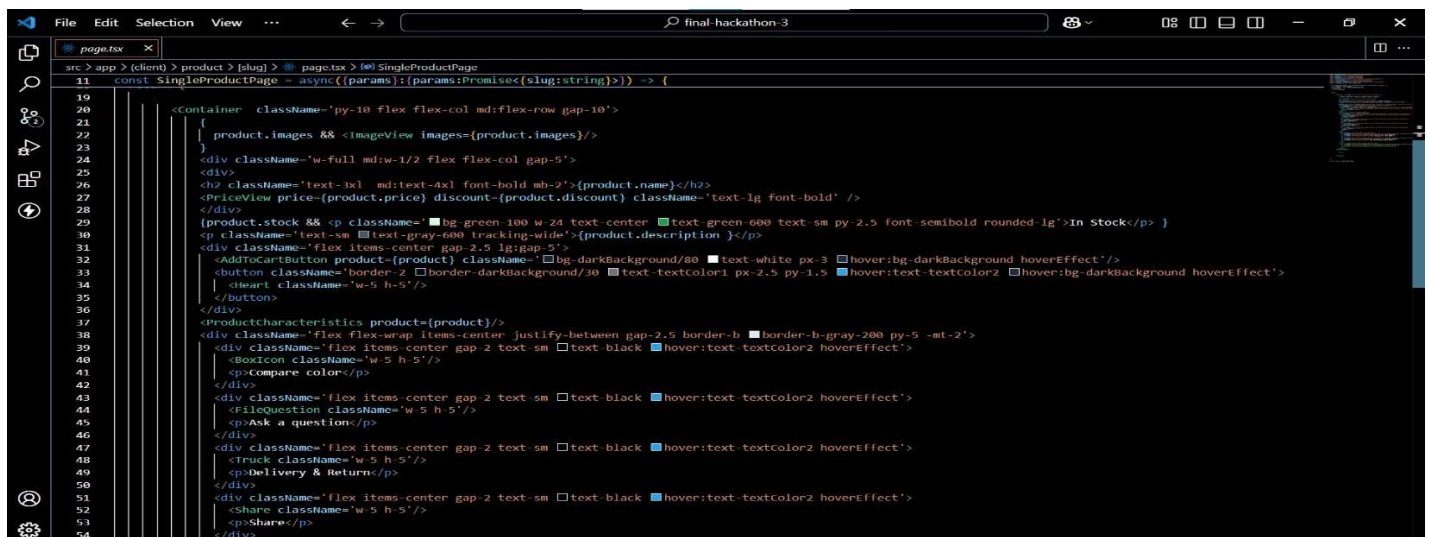
**Description:**

The Product Detail Component displays detailed information about a selected product. This includes a description, and other relevant details.

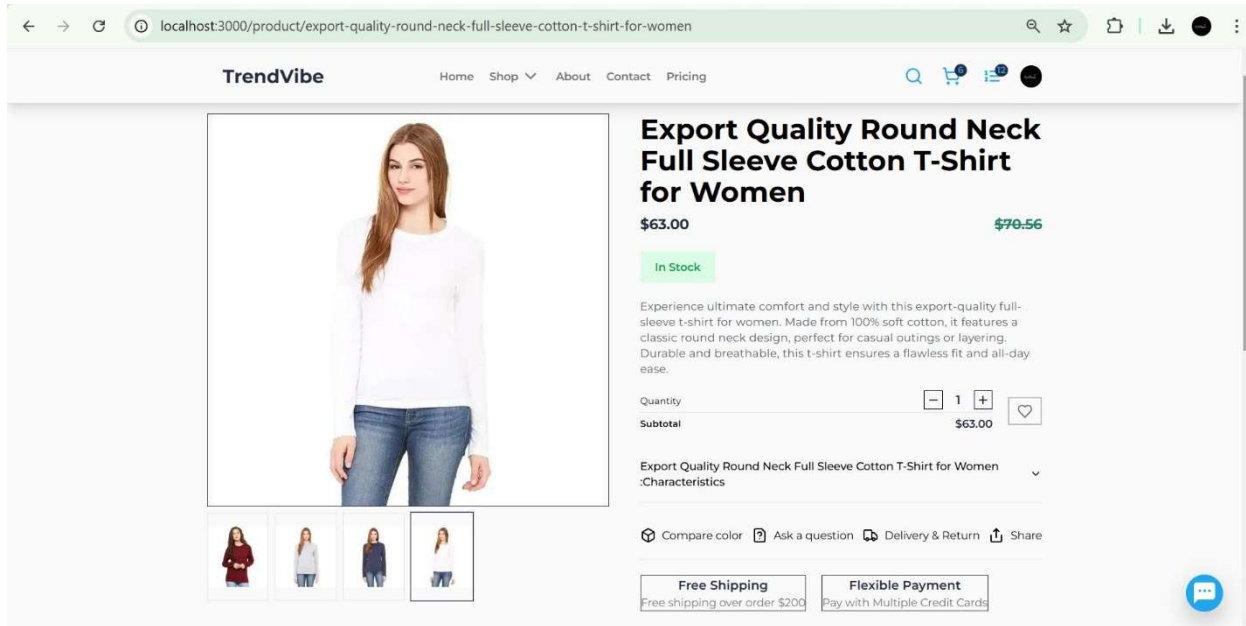
### Features:

- Dynamic routing to individual product pages.
- Displays detailed information such as price, description and other relevant details.

### Code Screenshot:



## UI Screenshot:



## 3. Category Component

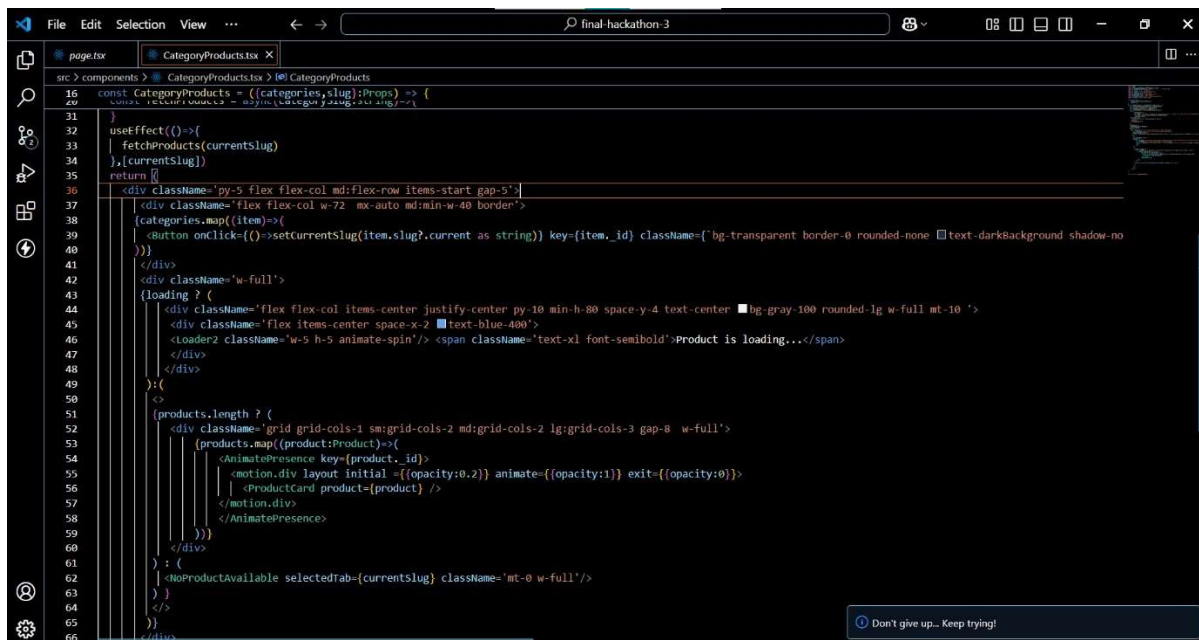
### Description:

The Category Component displays a list of categories dynamically fetched from the CMS. This allows users to filter products based on category.

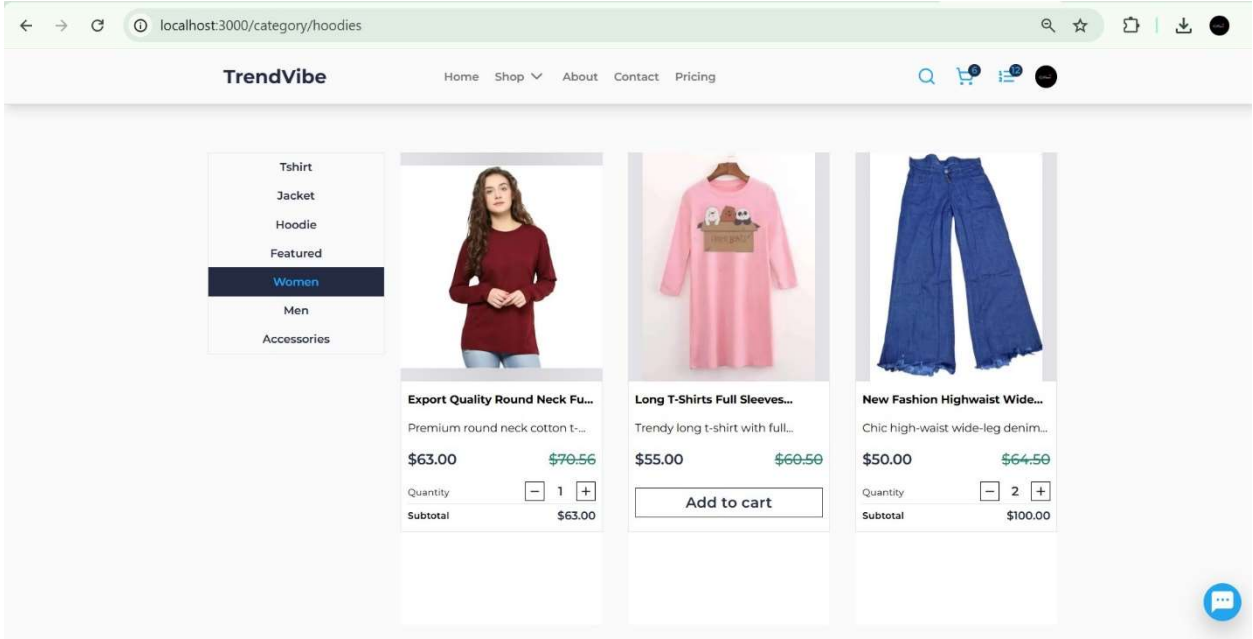
### Features:

- Displays categories.
- Allows filtering of products by category.

## Code Screenshot:



### UI Screenshot:



## 4. Search Bar

### Description:

The Search Bar allows users to search for products by name or tags. It filters the products dynamically as the user types.

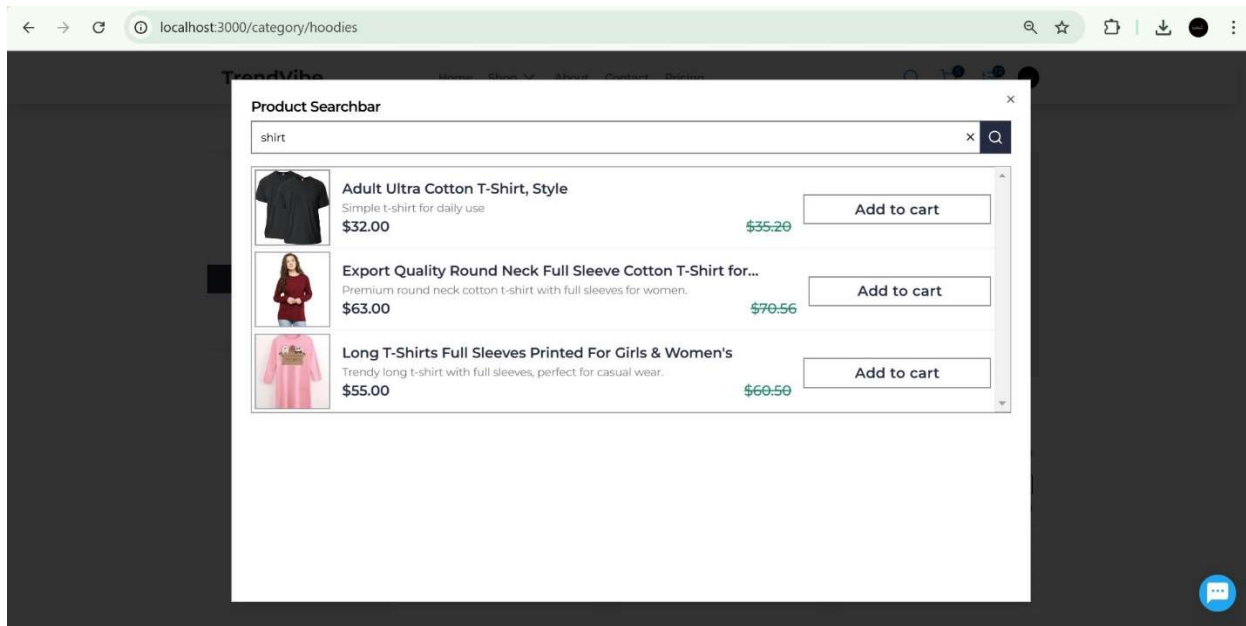
## Features:

- Search functionality for products.
- Filters products by name or tags.

### Code Screenshot:



## UI Screenshot:



## 5. Cart Component

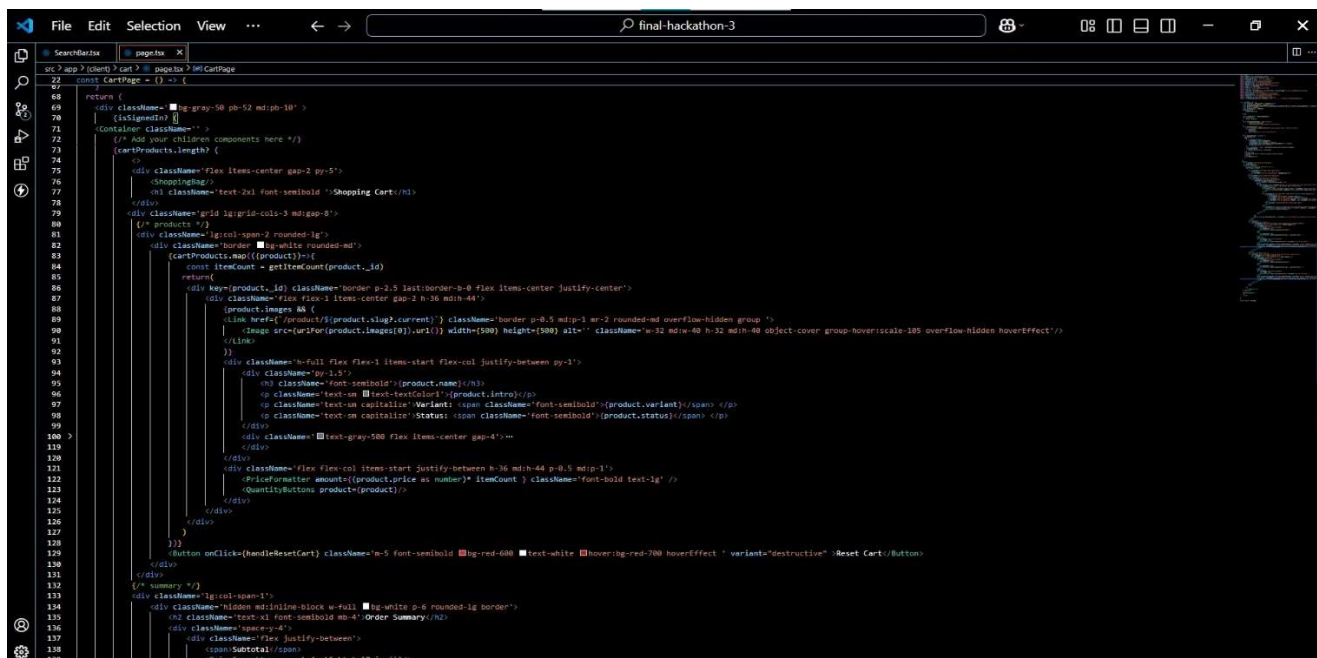
### Description:

The Cart Component displays the products added to the cart, showing details like quantity and total price. Users can adjust the quantity or remove items from the cart.

### Features:

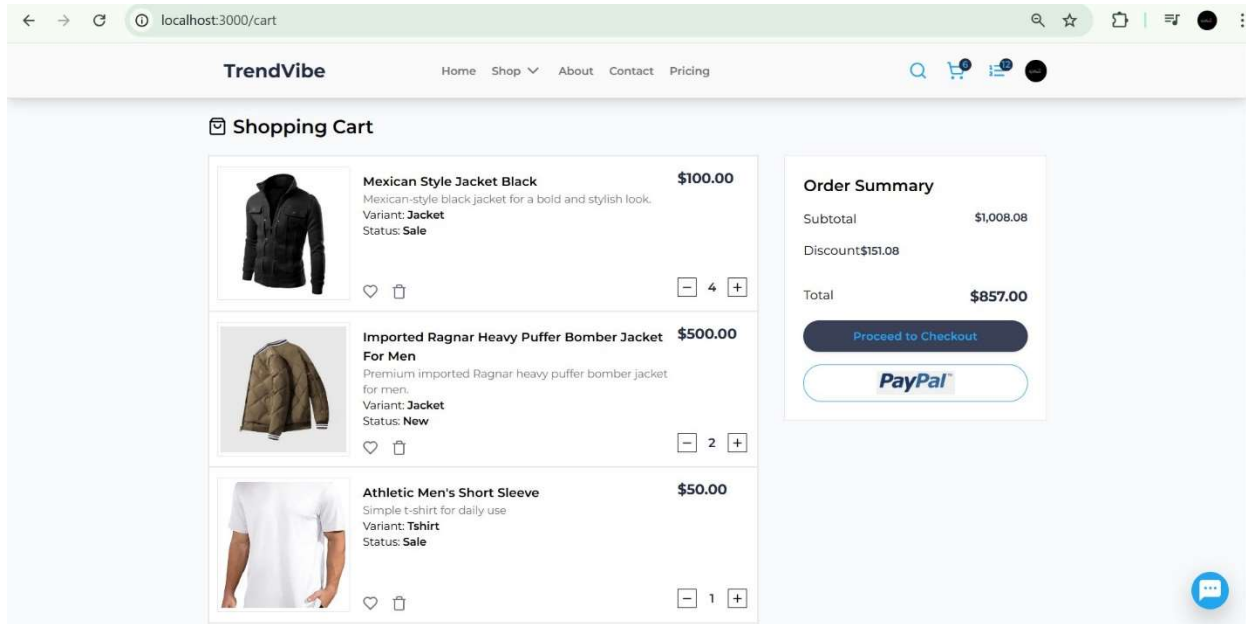
- Displays cart items.
- Allows users to adjust quantities and see the total price.

### Code Screenshot:





## UI Screenshot:

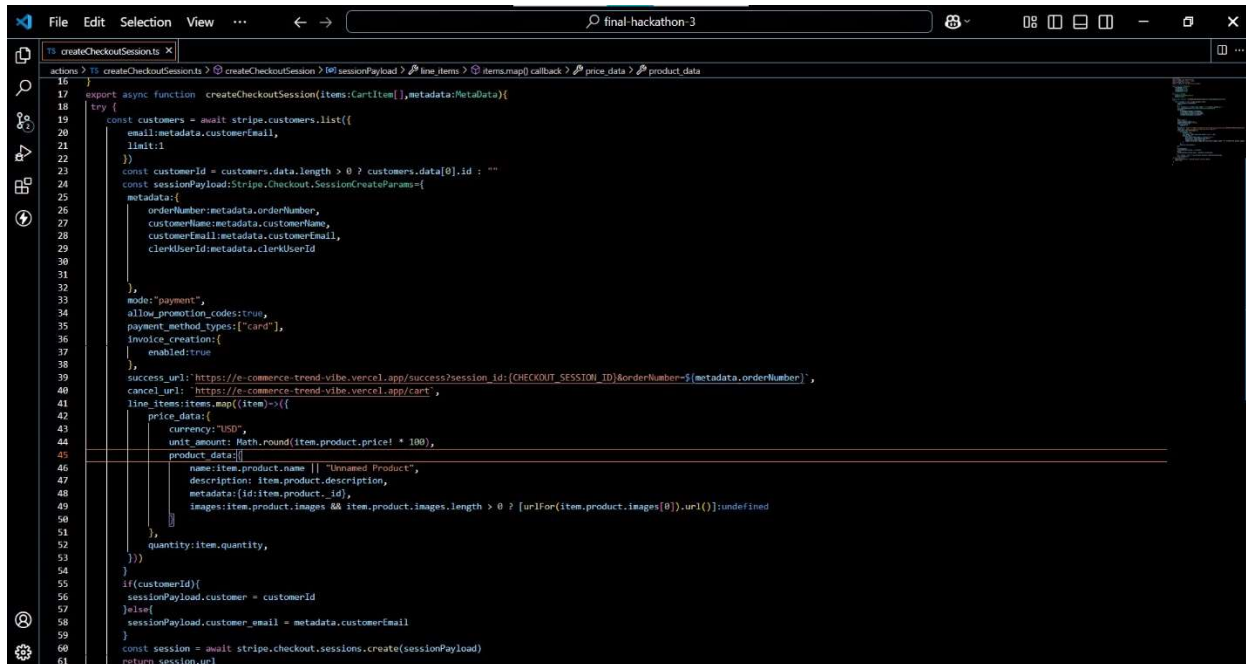


## 6. Checkout Flow Component

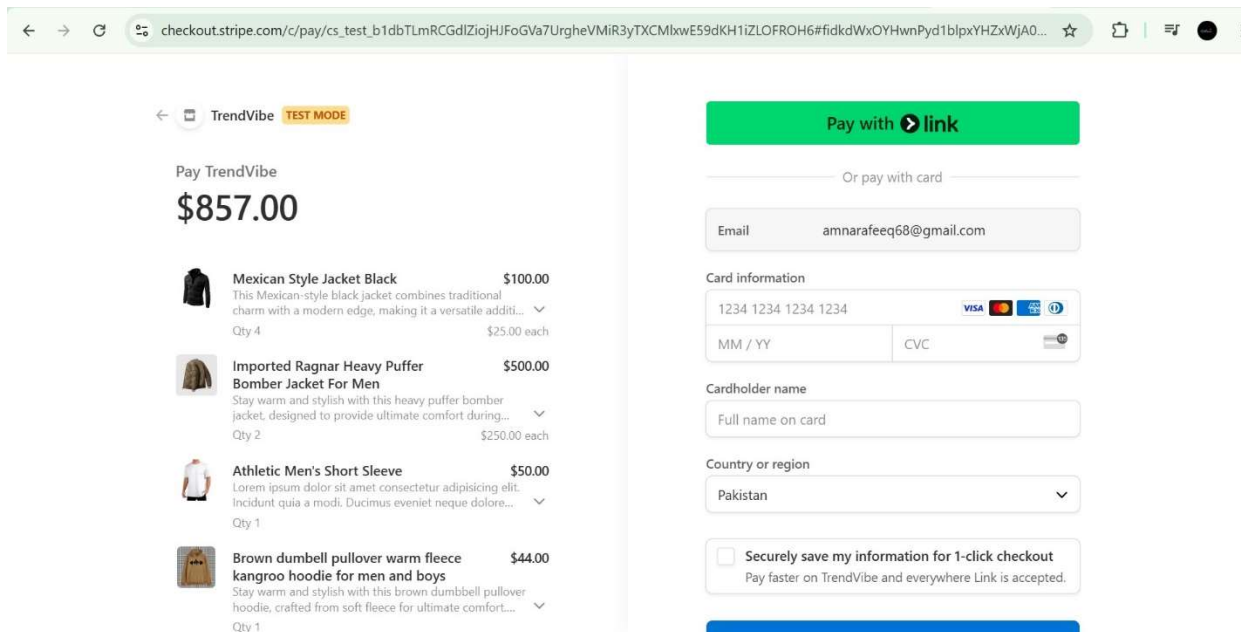
### Description:

The Checkout Flow Component handles the multi-step checkout process, including fields for billing and payment details.

### Code Screenshot:



## UI Screenshot:



## 7. Header and Footer Components

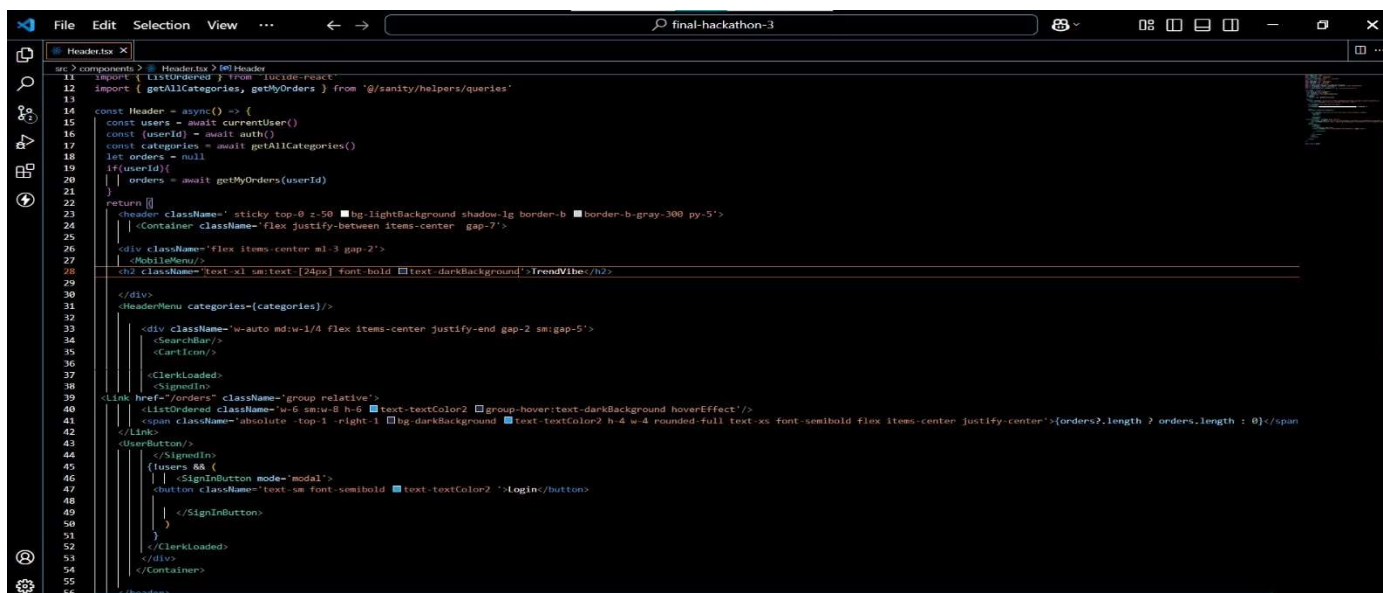
### Description:

The Header and Footer Components provide consistent navigation and branding across the site.

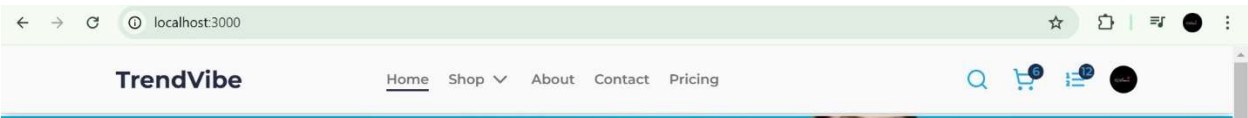
### Features:

- Navigation links to key pages like Home, About, and Contact.
- Branding and responsive design.

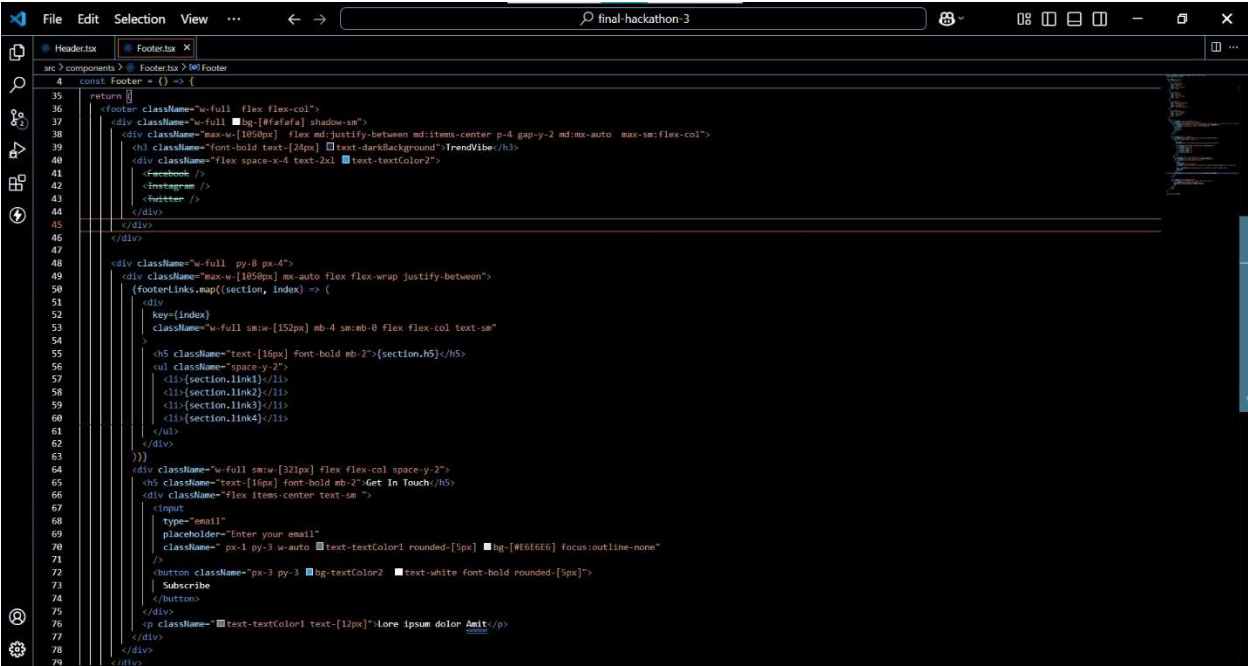
### Header Code Screenshot:



Header UI Screenshot:



Footer Code Screenshot:



Footer UI Screenshot:

