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1. Introduction

E-Shop is a website designed for online shopping of Electronic Devices. It is a website designed to sell a wide range of electronics such as mobile phones, laptops, computers, smart home appliances and many more. The goal is to provide a good online shopping experience on electronics product with proper pricing, fast delivery and reliable service. The E-shop website is an efficient platform to purchase products with proper order tracking and secure payments making it convenient to use by customers/users.

1.1. Problem Statement

In the present time of increasing technology and availability of the internet, shopping on the internet has become a vital part of modern life. One of the weakness in market is that customers purchasing any electronic gadget may encounter short variety of products in any local stores, hard to compare the prices well and improper customer care services. Physical shops also limit users with device's availability locations and also requires them to travel long distances to reach big stores. In addition, insecurity issues and their ineffective order management in certain online sites reduces customer's trust. To overcome such problems, a trustworthy, convenient, and secure internet selling venture is required, which offers a large variety of electronic products and accessories, easy navigation, safe money transactions, and smooth delivery facility. Thus E-shop solves it all.

1.2. Objectives

Some of the major objectives of E-shop includes,

- To Create a user-friendly and accessible platform for purchasing electronic devices.
- To ensure secure online transactions through trusted payment gateways.
- To Provide a wide range of electronic products from multiple categories.
- To Enable quick and efficient product search and filtering.

- To Provide an interface for easy management of ordered products in cart and delivery updates.

1.3. Report Structure

The report for E-shop project includes various details in order as follows,

- Introduction: Introduces about E-shop project with problem statement, major objectives of the project.
- Implementation: It includes how the E-shop web application is designed and setup, to know how it works with screenshot of each pages and their functionalities.
- Conclusion: Lastly a small conclusion concluding the overall project report and understanding future improvements and feature addition.

2. Implementation

2.1. Description of E-shop Website

The design and development of E-shop includes, designing and developing the web application in a structured environment using Windows 10 OS and VS Code as primary code editor. Git and GitHub were used for the version controlling of the project during the development. Using Vite + React as frontend, additional dependencies such as axios, API communication, react-router-dom for navigation were also integrated. A base API URL was setup to connect frontend with backend for various features. The project runs locally on localhost:3000 without any error or warnings.

2.2. Description of Web Pages

2.2.1. Home

The Home Page or Landing Page has the eye catching sliding banners showing latest electronics. The nav bar and footer section includes other detail about E-shop. The address can also be set in the address option in Navbar.

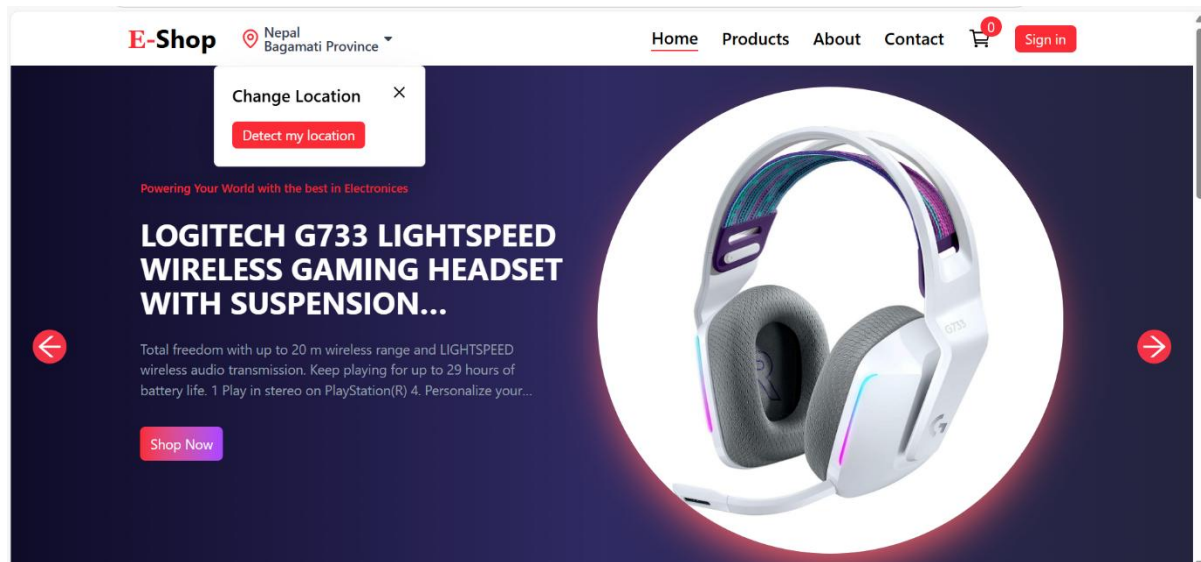


Figure 1: Home Page - i

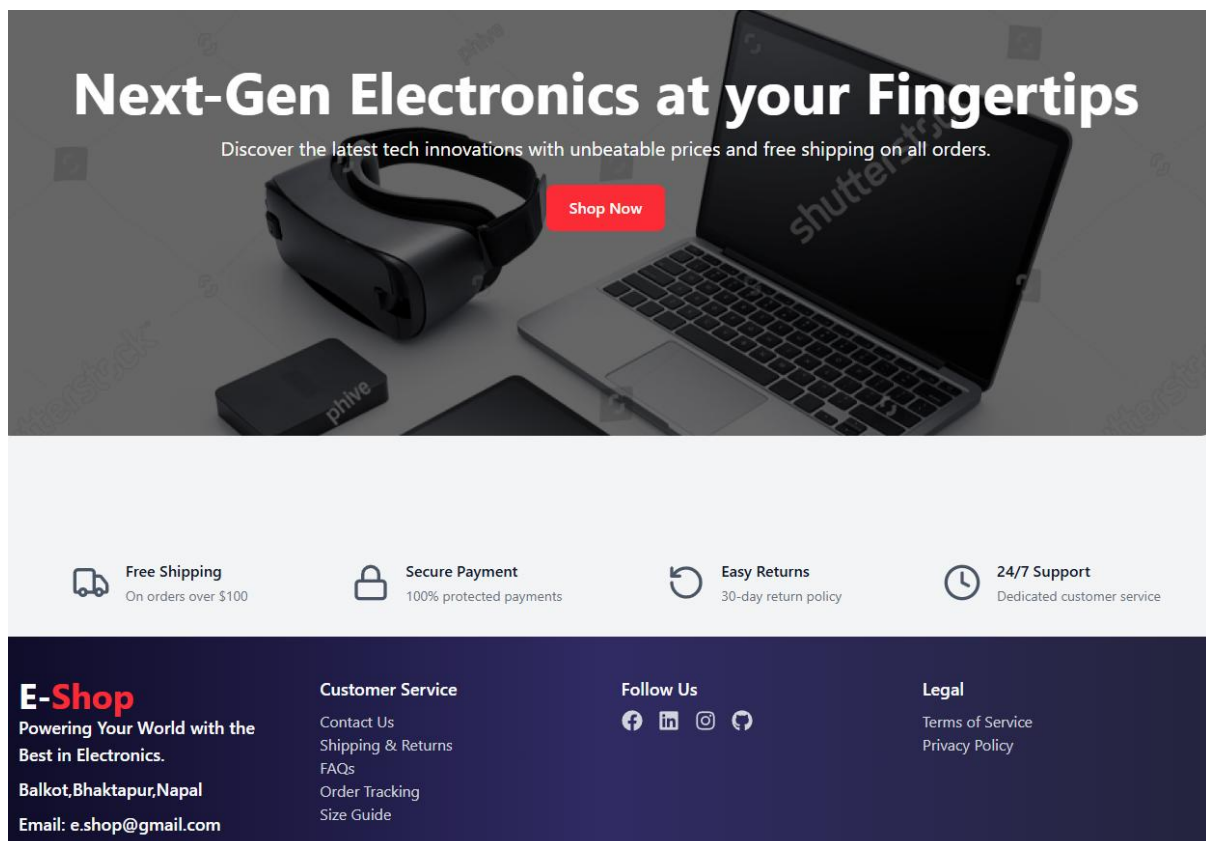


Figure 2: Home Page – ii

2.2.2. Products Page

Products Page includes all the available products that user can buy from E-shop. It includes every category items which can be filtered based on category, brands and price range. The user can select a particular product and be redirected to single product description page or can directly add an item to the cart.

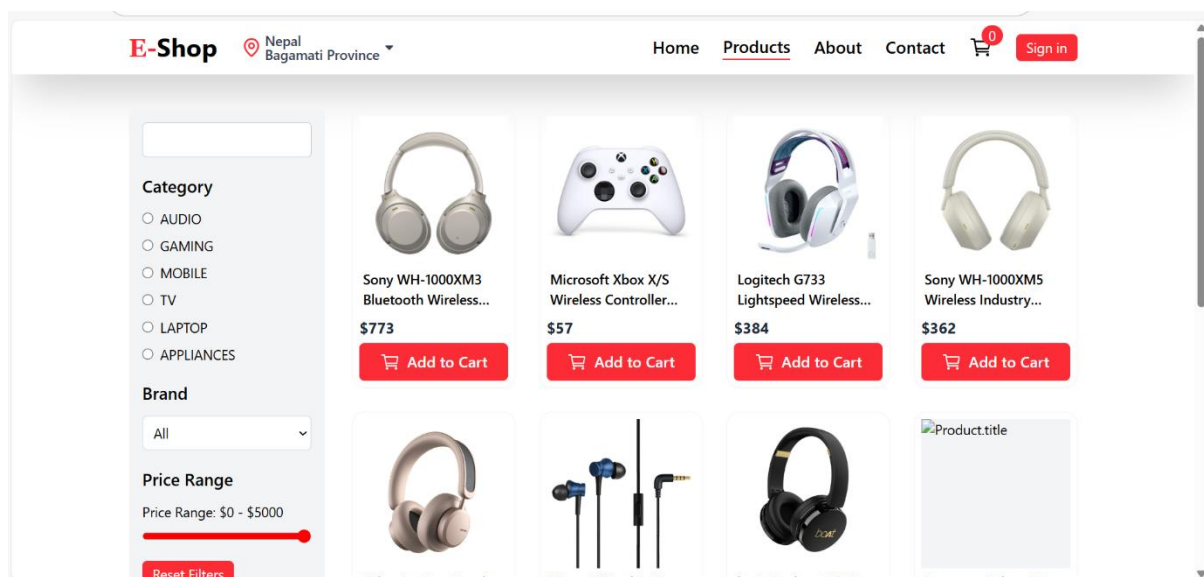


Figure 3: Products Page

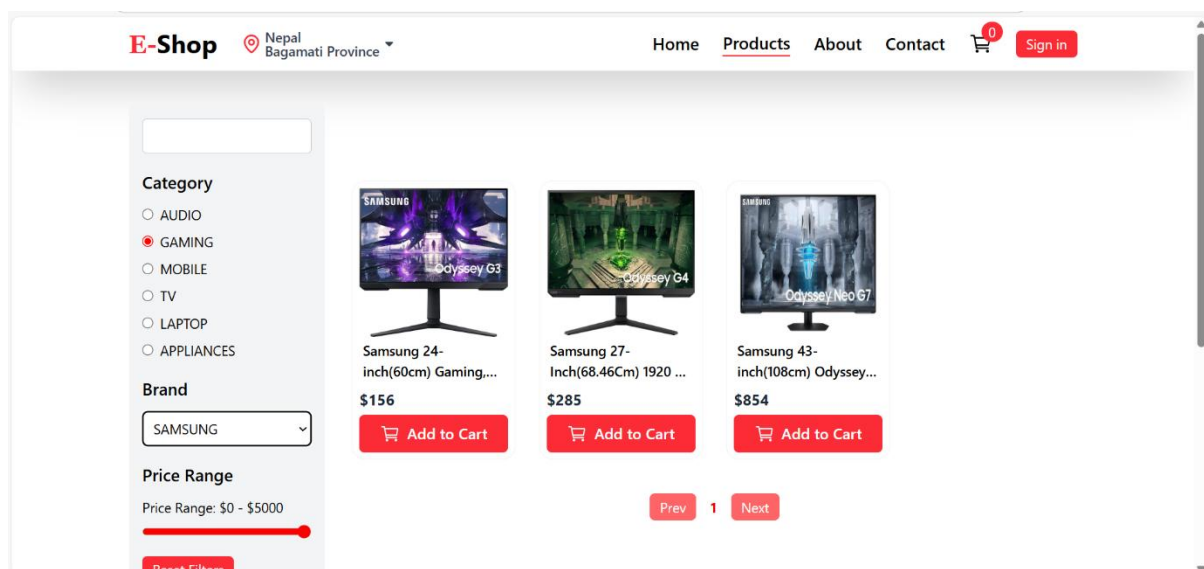


Figure 4: Products Filtering

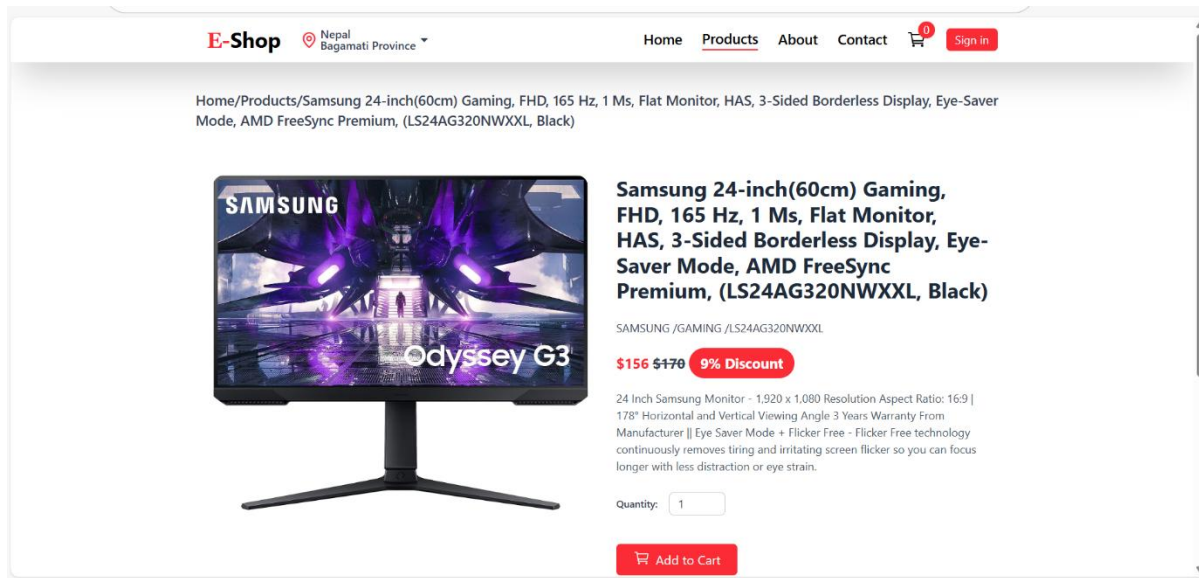
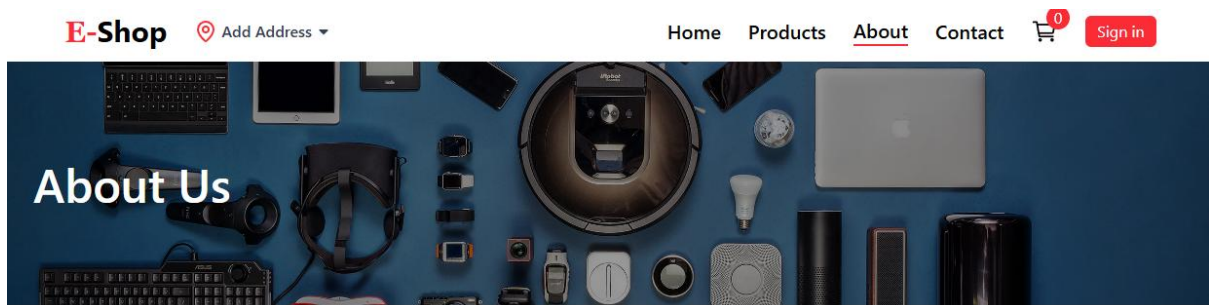


Figure 5: Single Product Description

2.2.3. About E-shop & Contact Page

The website also includes the about section describing E-shop. And contact page has the contact details about E-shop.



Your Favorite Shopping Marketplace

E-Shop

E-Shop is one of Nepal's leading digital e-commerce platforms, offering a wide variety of quality products at affordable prices. Our goal is to make online shopping fast, easy, and reliable for everyone.

Figure 6: About Page - i

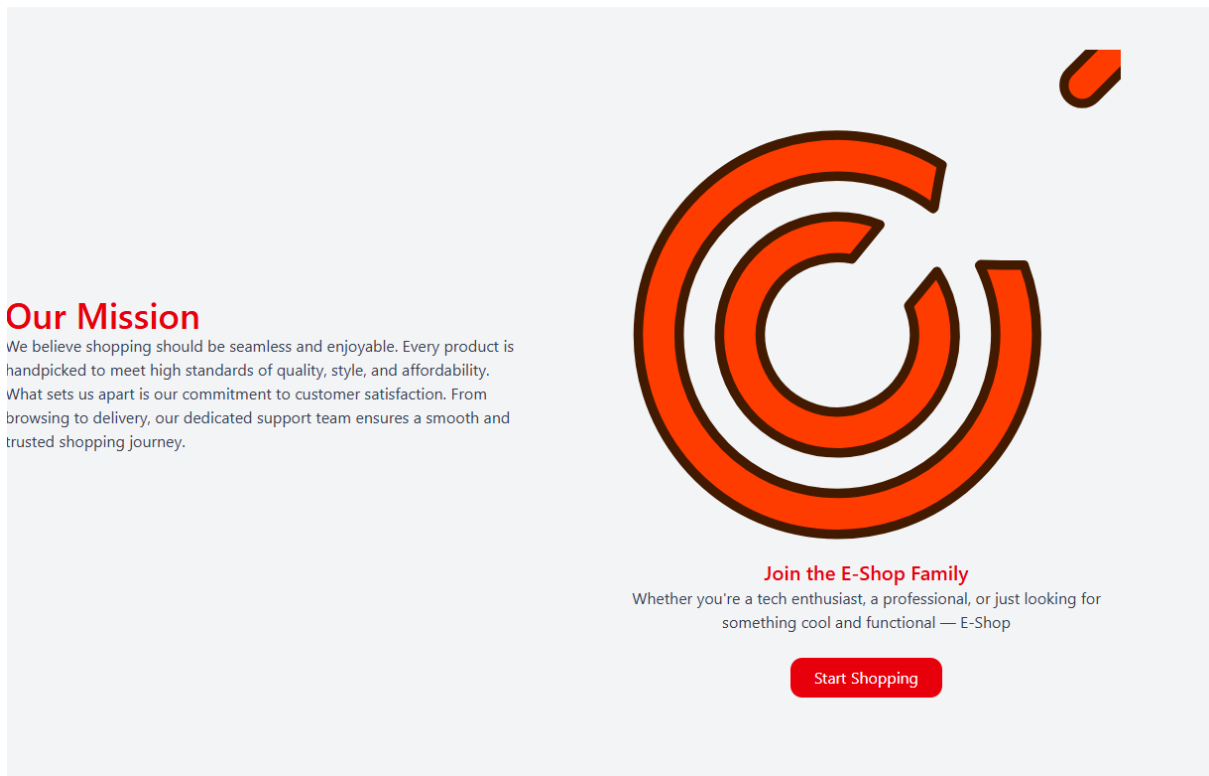


Figure 7: About Page – ii

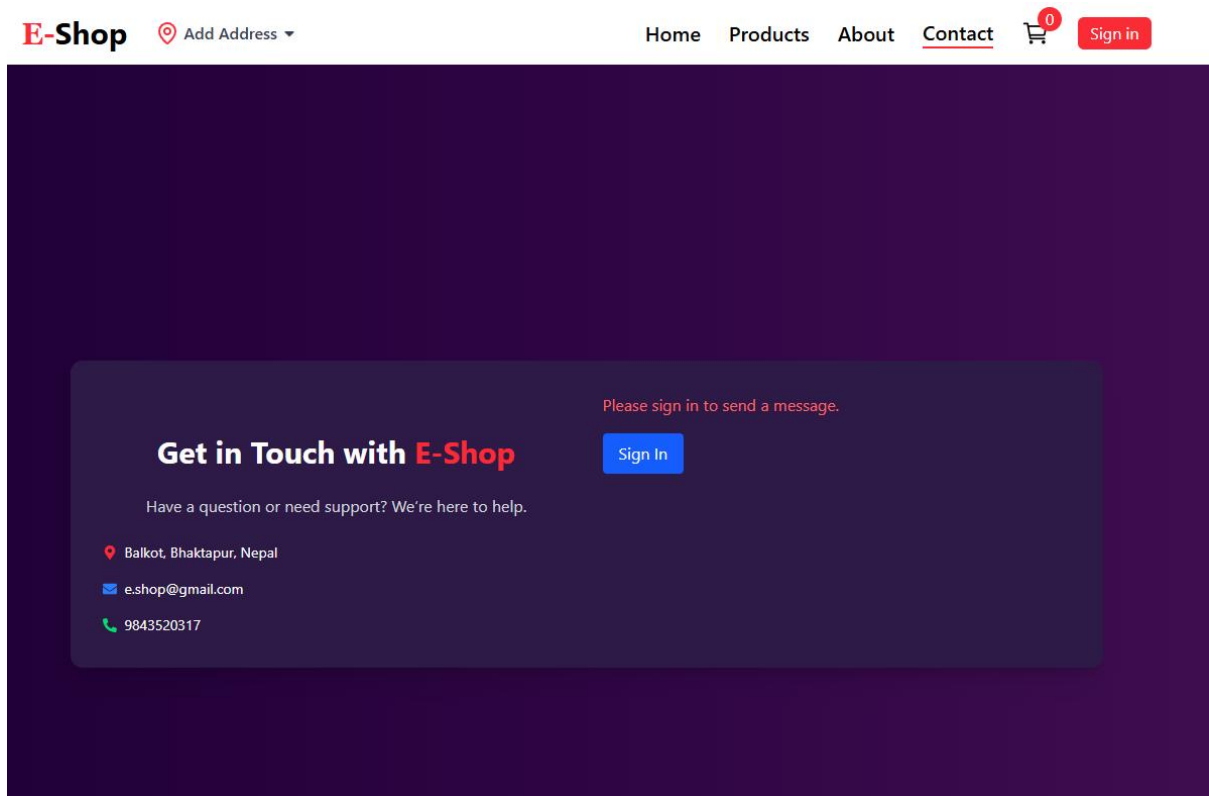


Figure 8: Contact Page

2.2.4. Carts Page with delivery info and bill details

Carts Page Includes all the items listed in cart the user has selected. After this payment can be done and product are out for delivery.

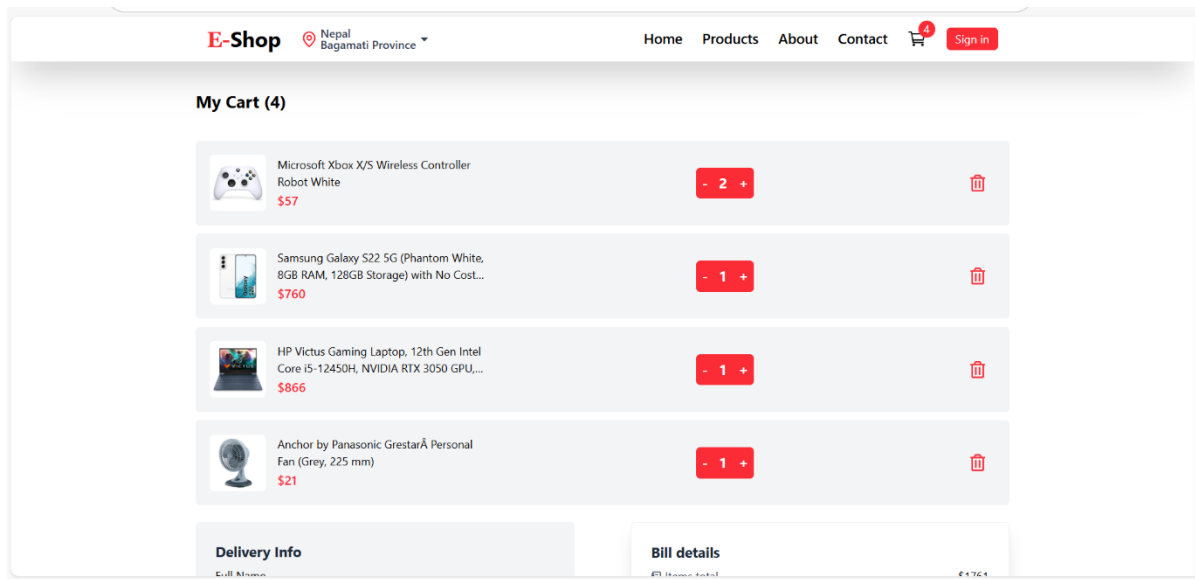


Figure 9: Cart Page with multiple items i

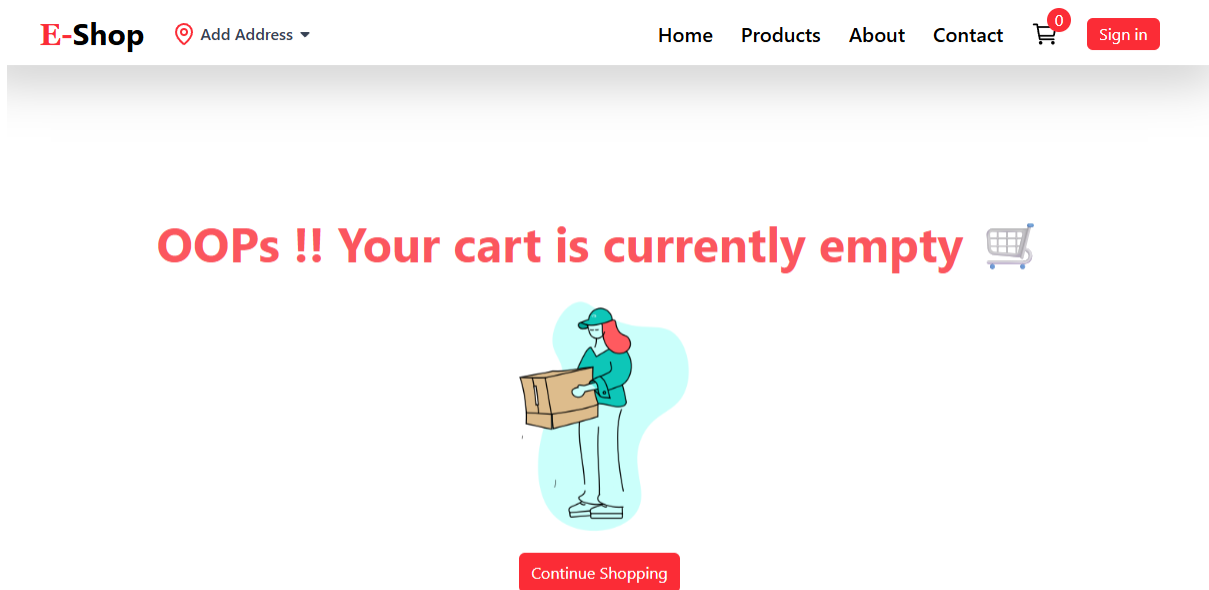


Figure 10: Cart Page without items ii

3. Conclusion

The E- shop manages to portray an effective e-commerce system of buying electronic appliances where users can access various features like product search, secure payment, and order tracking. With its promise of convenience, accessibility, and its large selection of products, the system seeks to solve the rising needs of online shopping. Nevertheless, to improve its performance, it is possible to discuss a number of improvements that can be implemented in the future. They include modernizing the payment infrastructure to have better and safer payment options, providing improved security to retain information about the user, improving user experience and interface (UI/UX) to have easier navigation. The role of a comprehensive customer support base to increase the quality of service. Also, to increase the availability of the service to the greater audience, if a mobile application is implemented it would expand the platform. These upgrades would make E-Shop promising to become a solid and scalable platform in the electronic devices e-commerce business.