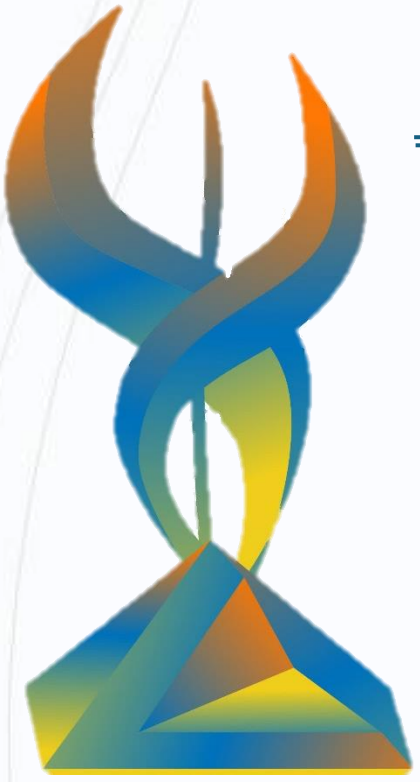
Republic of the Philippines
Bicol University
POLANGUI CAMPUS
Polangui, Albay

P2: FRONTEND DEVELOPMENT BASED ON PROJECT DESIGN



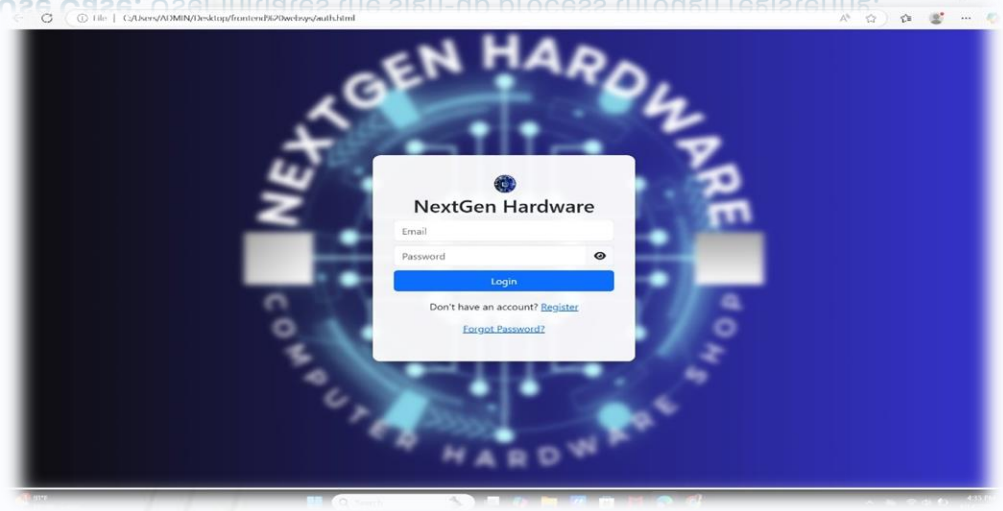
GROUP YOYO

Llona, Yasmien Mae M.
Lusantas, Maryan D.
Ruiz, Catlyn L.
Fermin, Yasmin M.
Bron, Niña Jezreen M.
Idanan, John Mark C.

Functional Front-End Interface with Use Case Descriptions

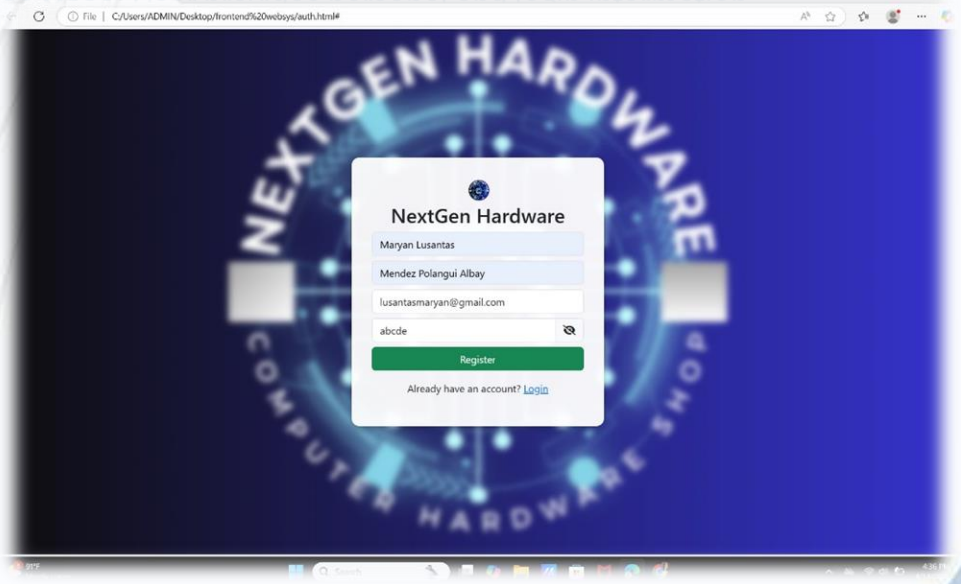
- Start of Registration Process

Feature: Beginning the account creation
Use Case: User initiates the sign-up process through registering.



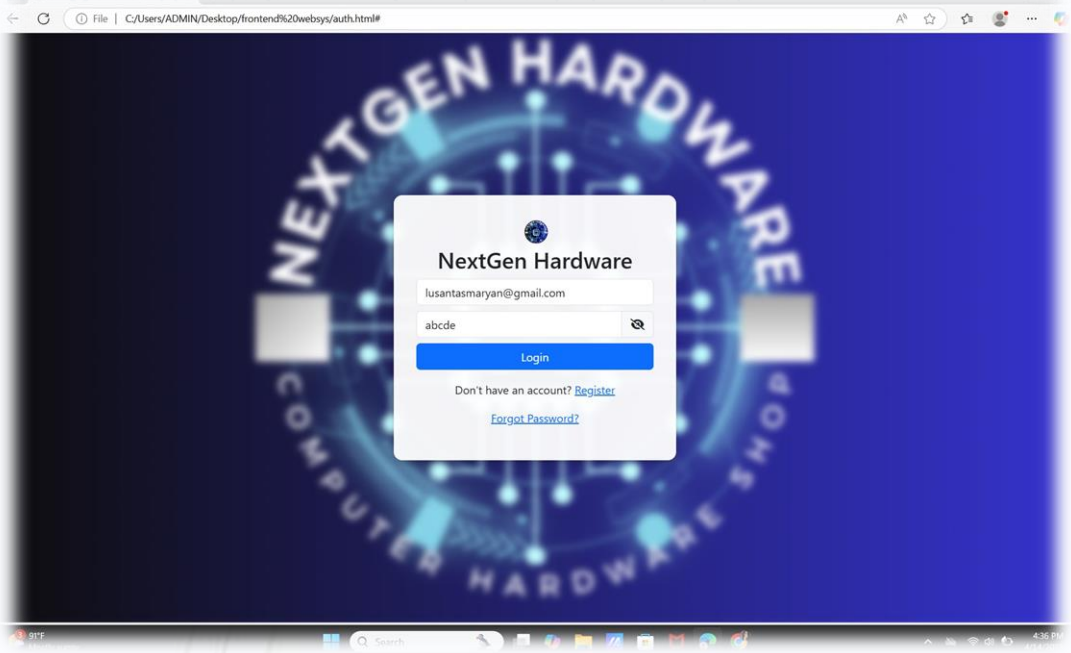
- Filling Out the Registration Form

Feature: Account registration
Use Case: User provides personal and login information.



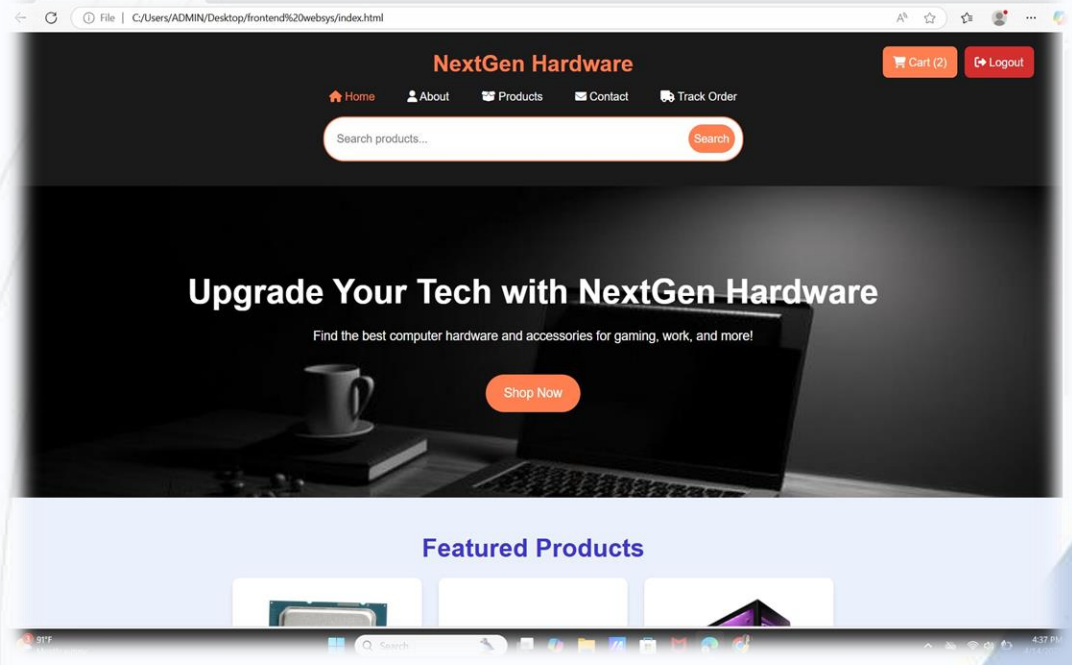
- Successful Registration and Login

Feature: Account access
Use Case: User logs in using newly created credentials.



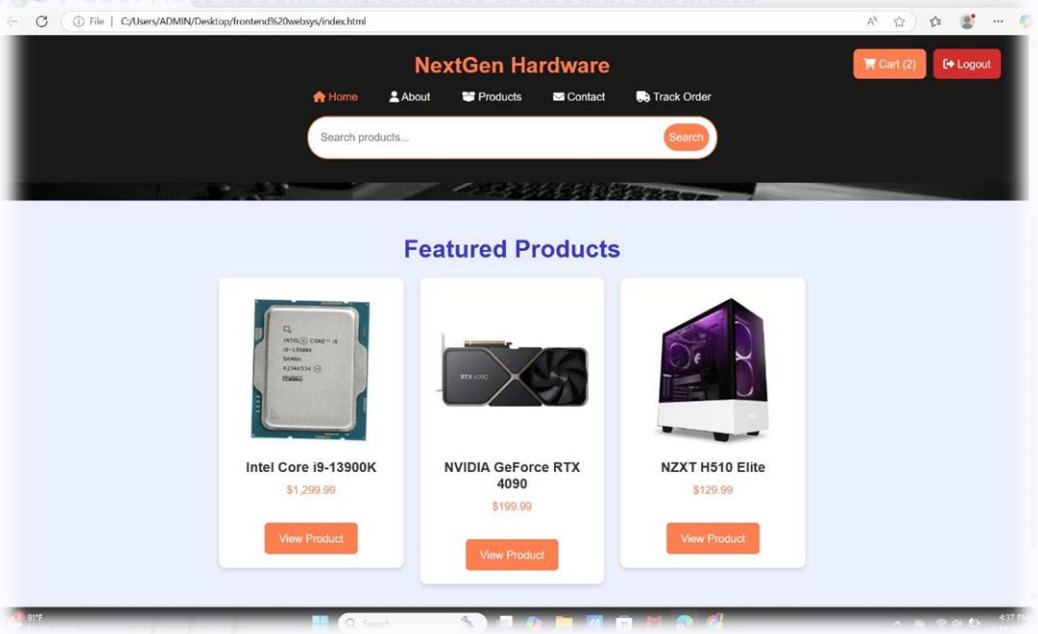
- Homepage Overview

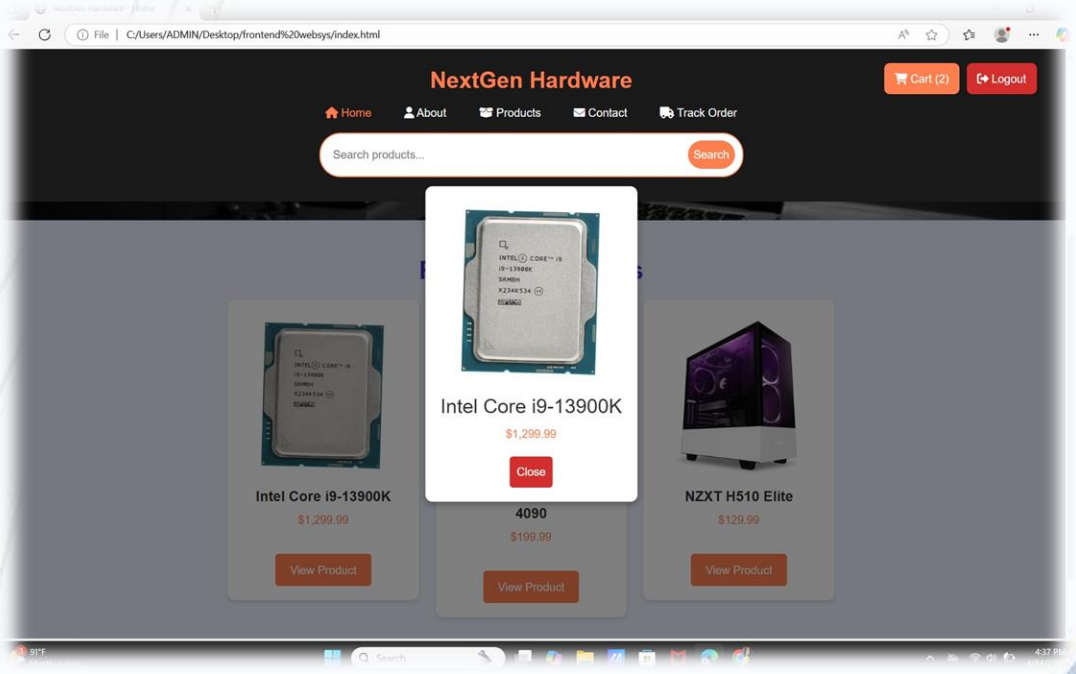
Feature: Main landing page
Use Case: User sees general site info and navigation options.

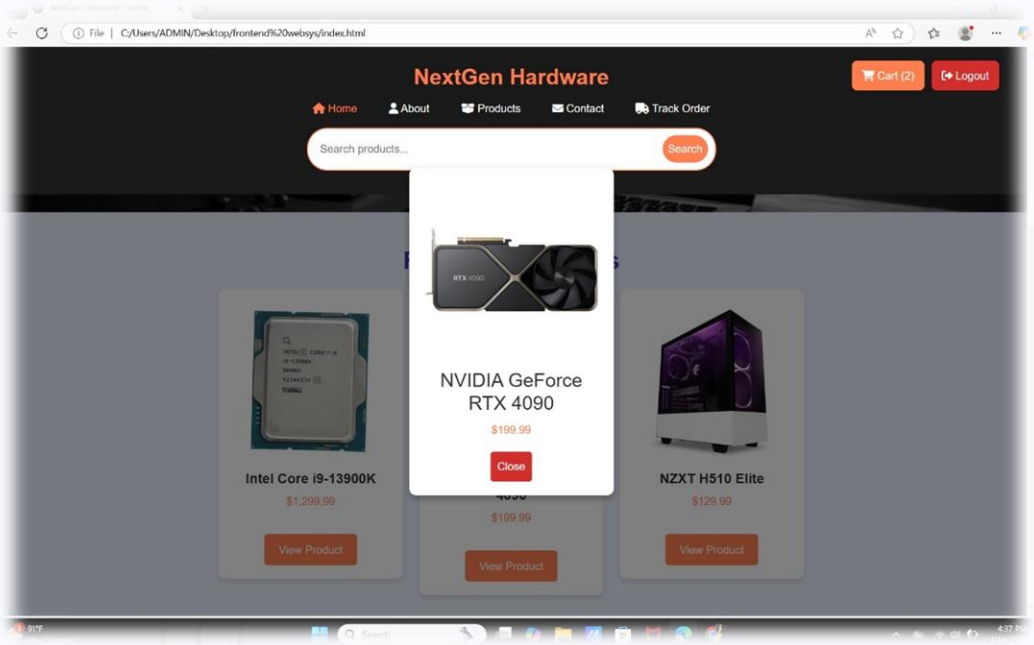


➢ Browsing Featured Products

Feature: Viewing highlighted items
Use Case: User checks out popular or special products.

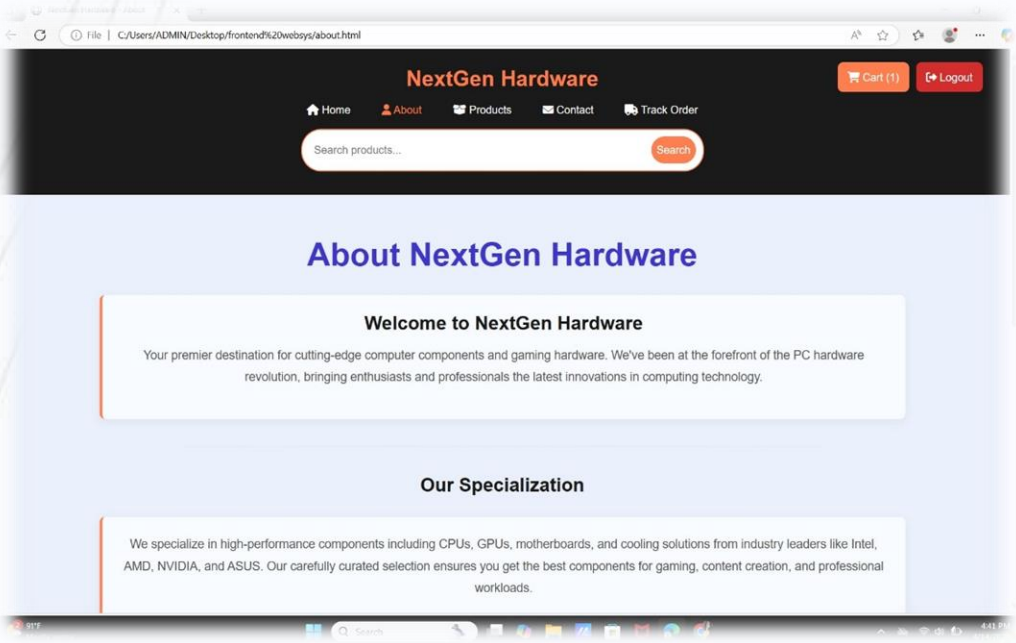


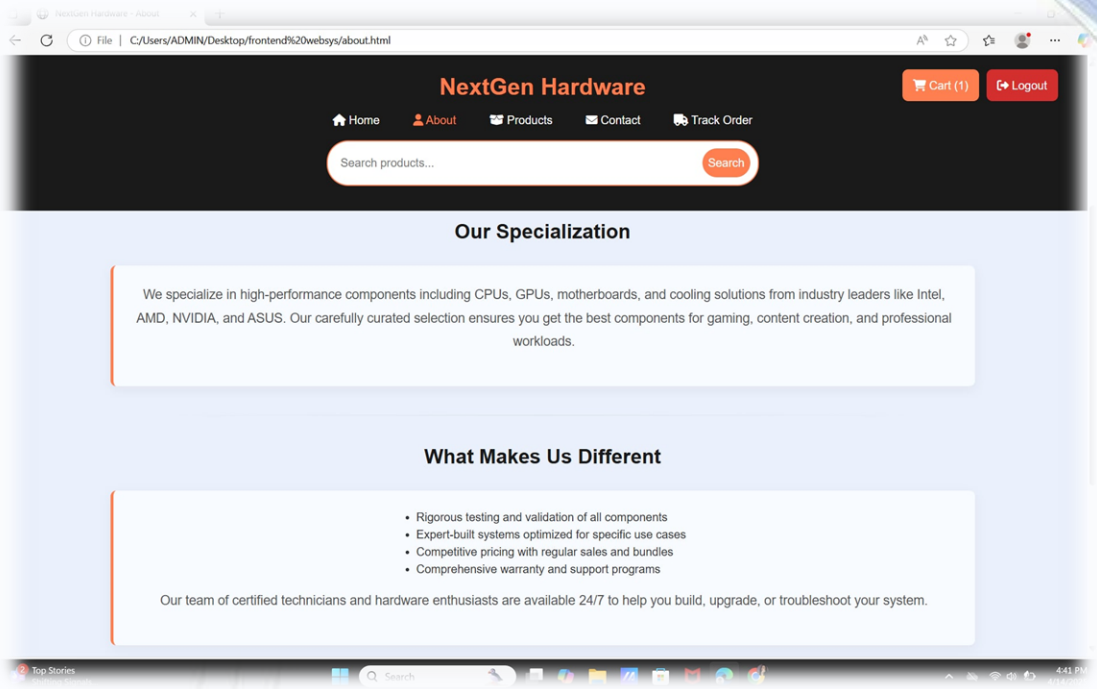




- Viewing the About Page

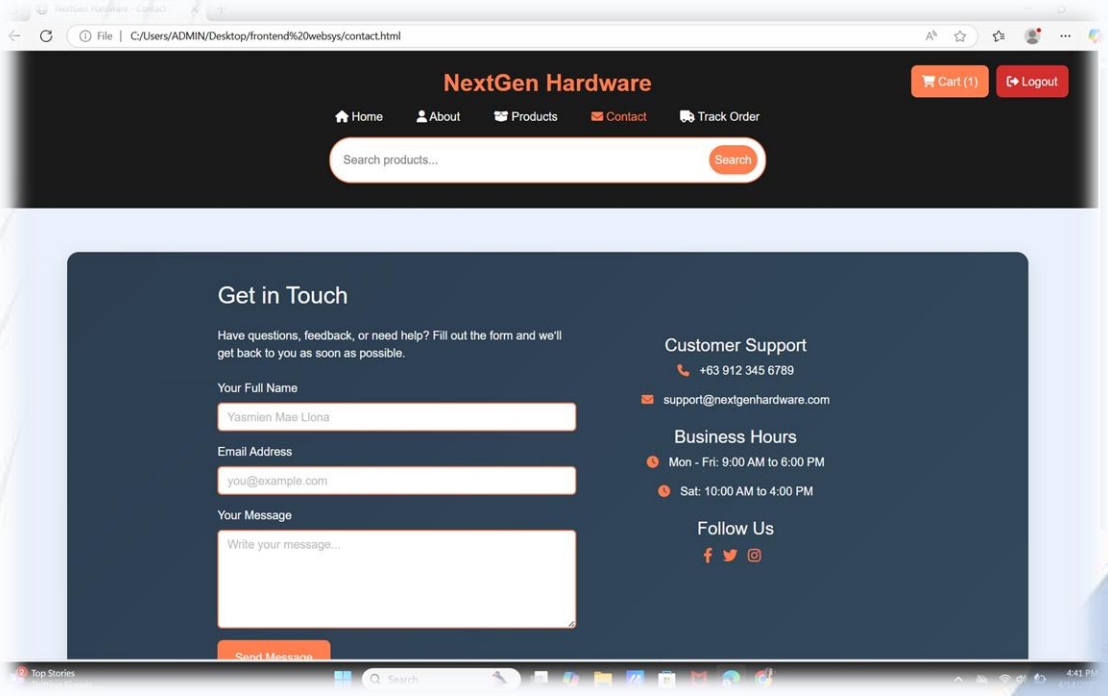
Feature: Site background information
Use Case: User reads details about the business or creators.





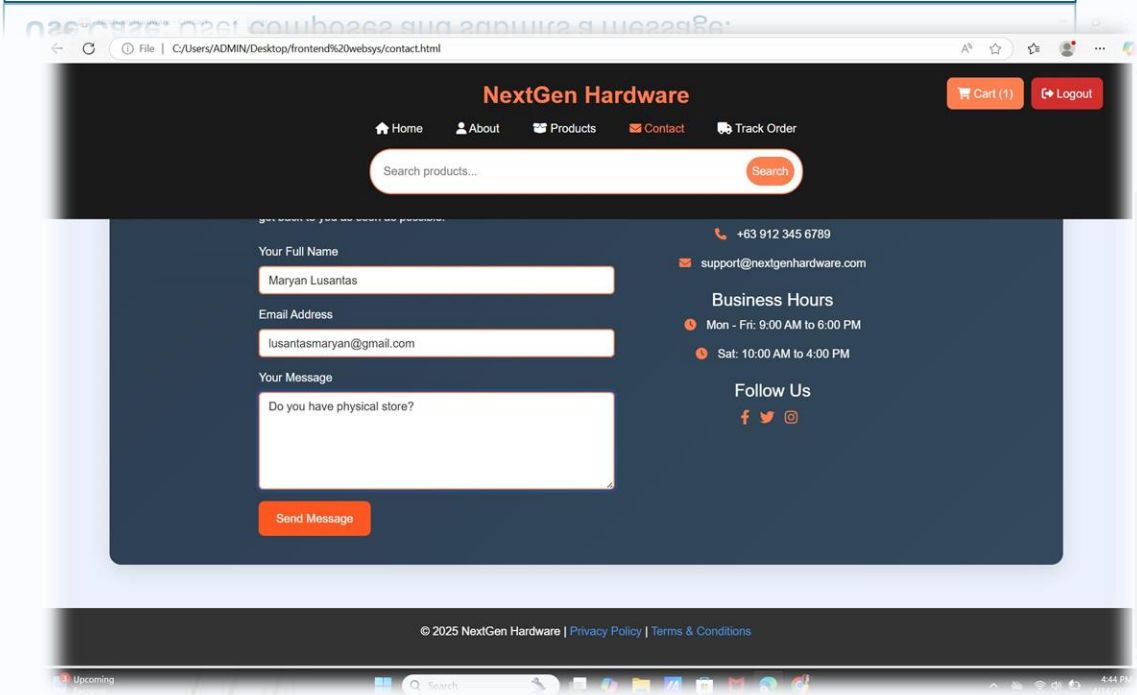
➢ Accessing the Contact Form

Feature: Customer support
Use Case: User opens the form to send a message or inquiry



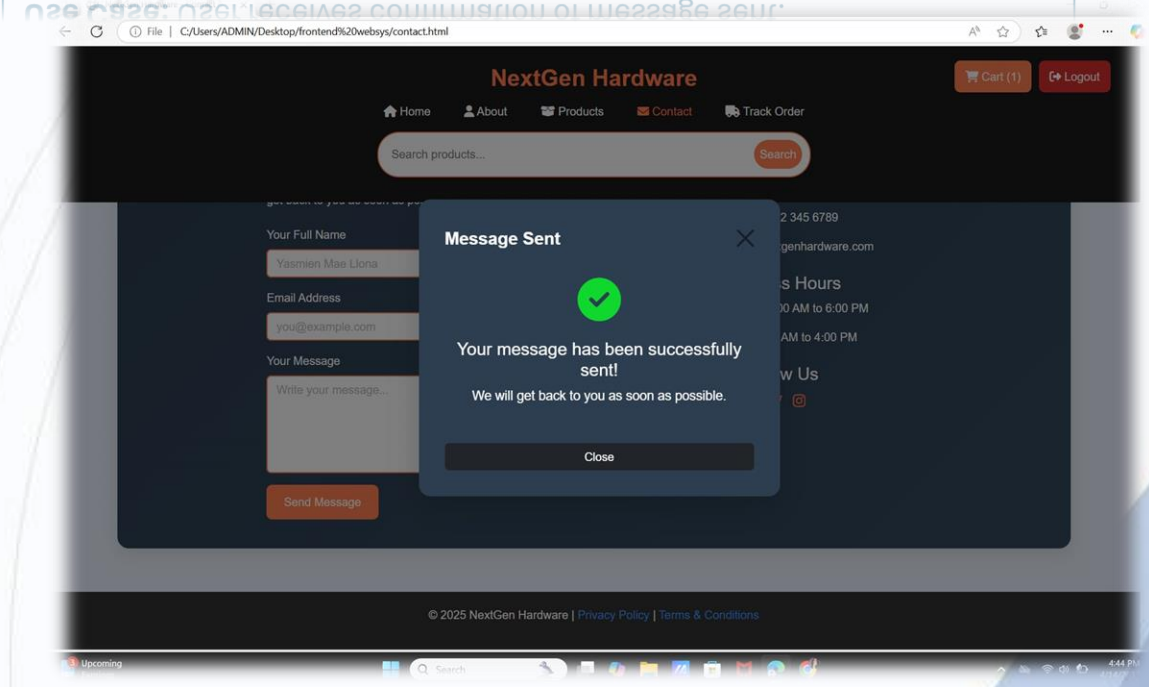
- Writing and Sending Message

Feature: Message form use
Use Case: User composes and submits a message.



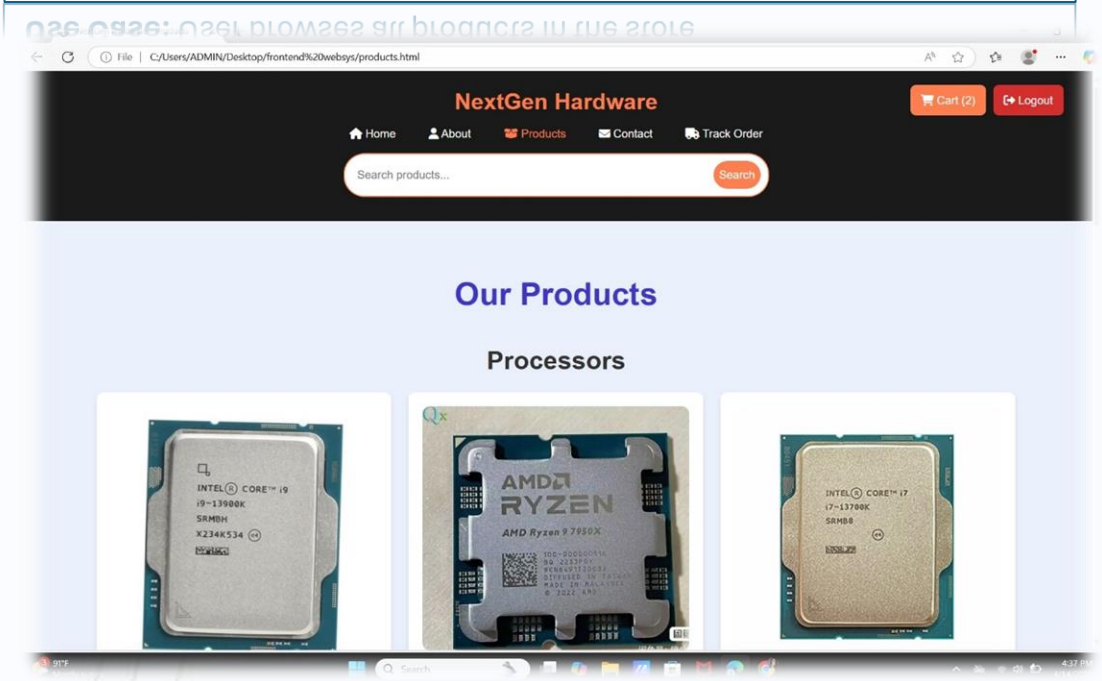
- Message Sent Confirmation

Feature: Contact success
Use Case: User receives confirmation of message sent.



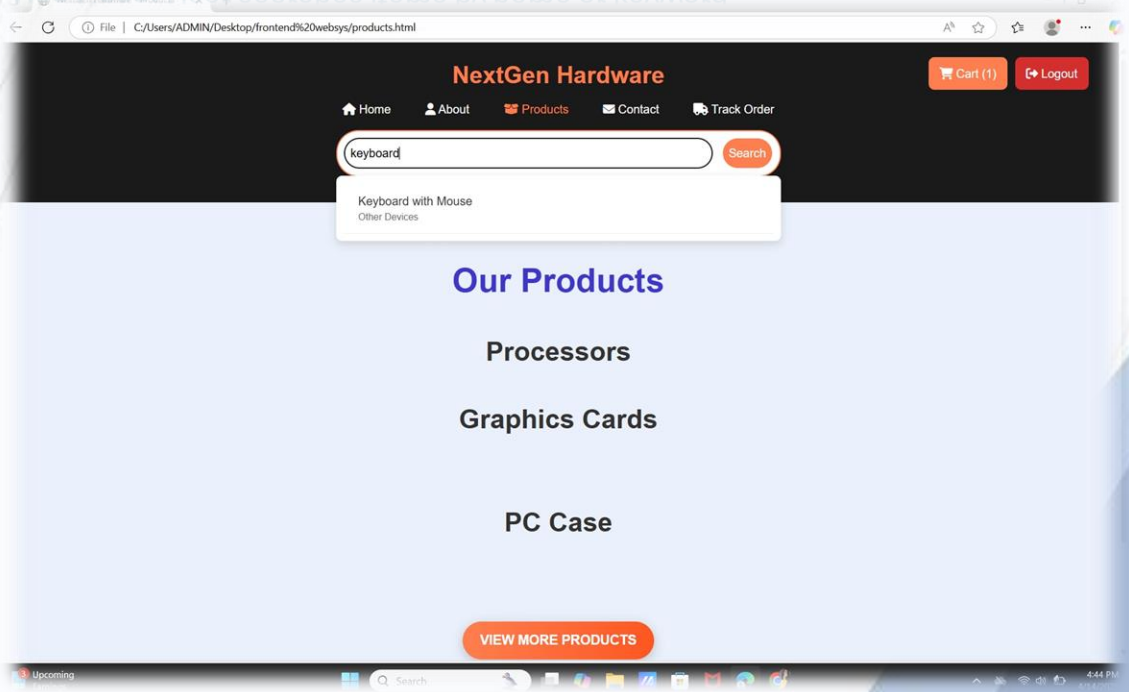
➢ Viewing Products Page

Feature: Viewing all available products
Use Case: User browses all products in the store



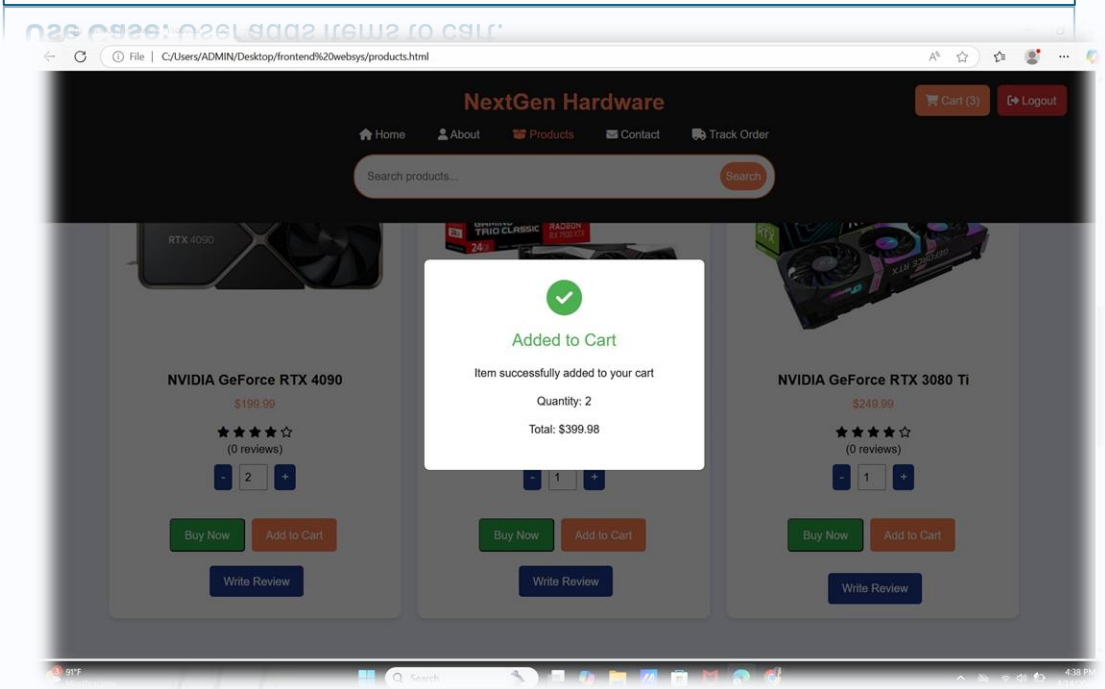
➢ Searching for Products

Feature: Product search
Use Case: User searches items by name or keyword.



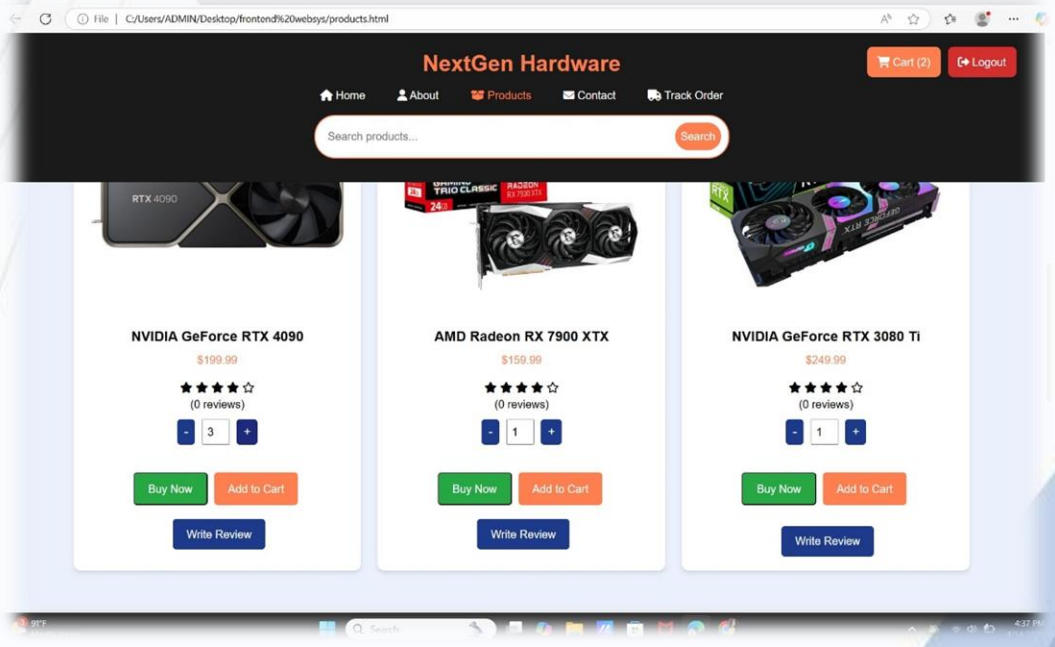
➢ Adding Products to Cart

Feature: Cart use
Use Case: User adds items to cart.



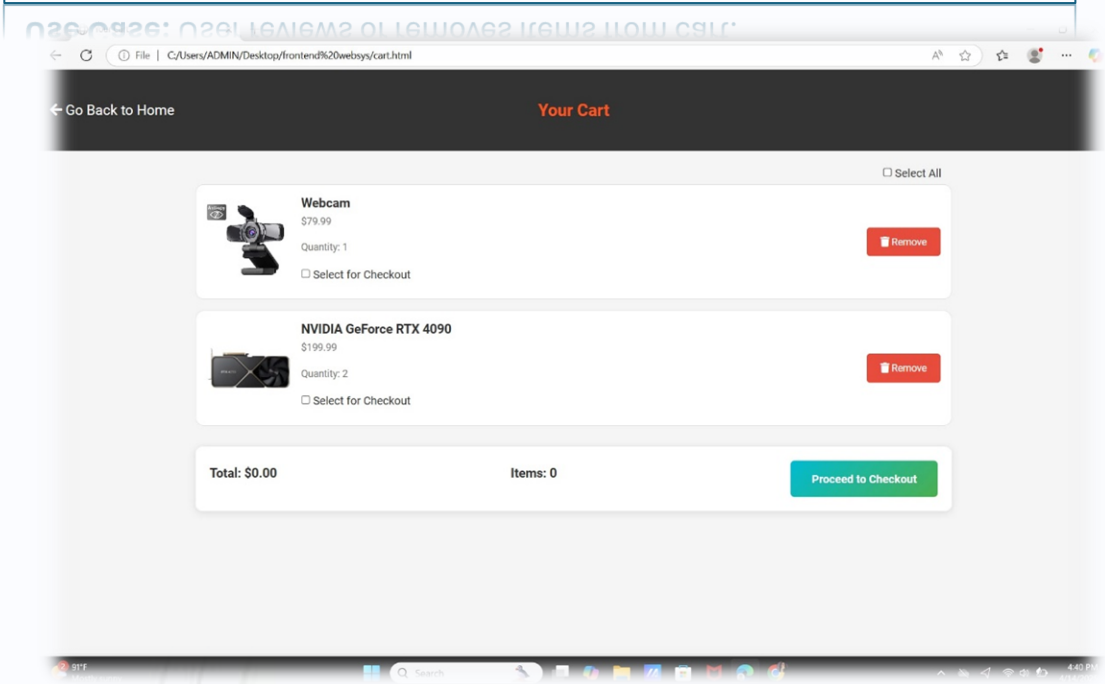
➢ Product Selection with Quantity Option

Feature: Selecting products
Use Case: User chooses product and specifies quantity.



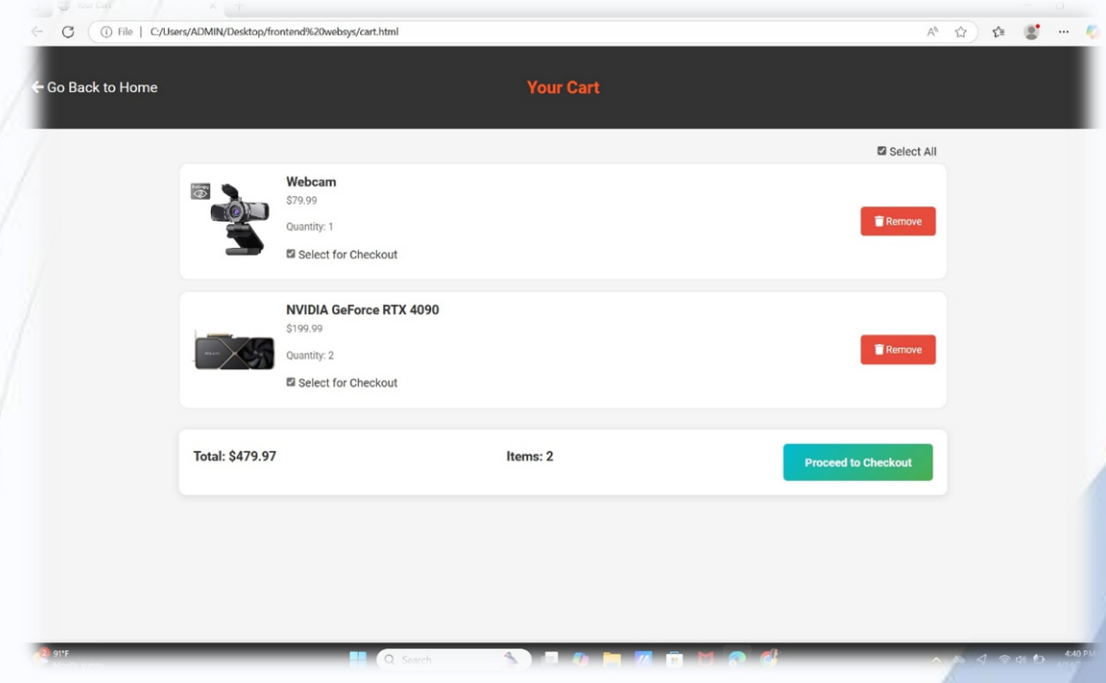
➢ Viewing and Editing Cart Items

Feature: Cart content management
Use Case: User reviews or removes items from cart.



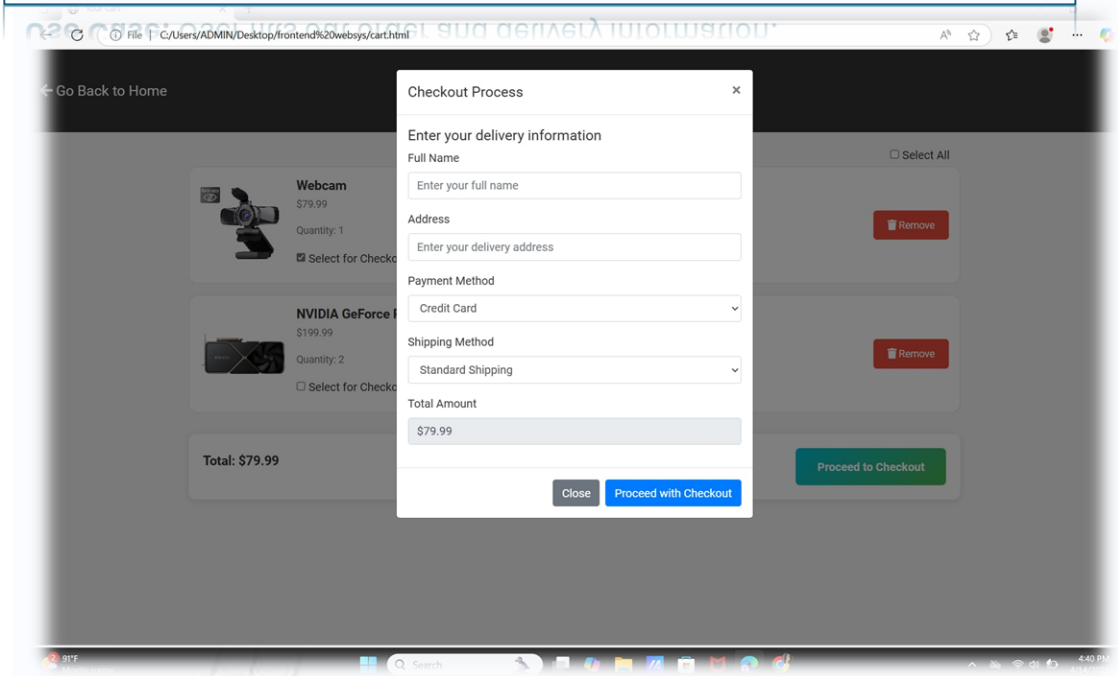
➢ Managing Cart Selections

Feature: Select/unselect items
Use Case: User selects all or specific items in the cart.



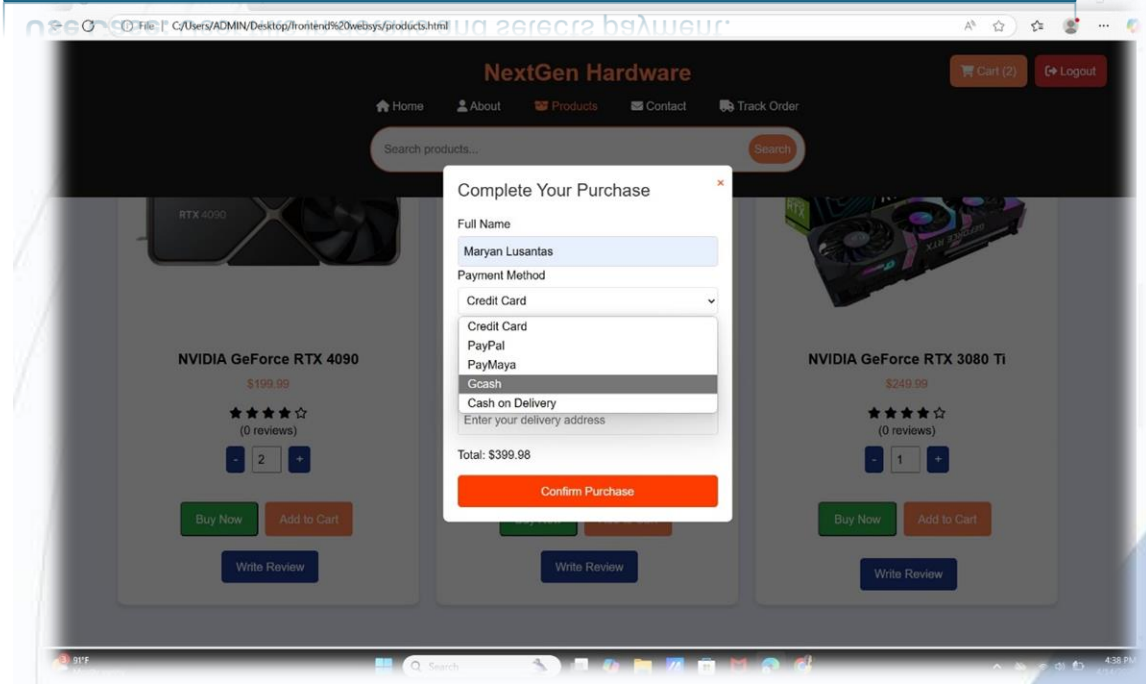
- Purchase Form Entry

Feature: Starting checkout
Use Case: User fills out order and delivery information.



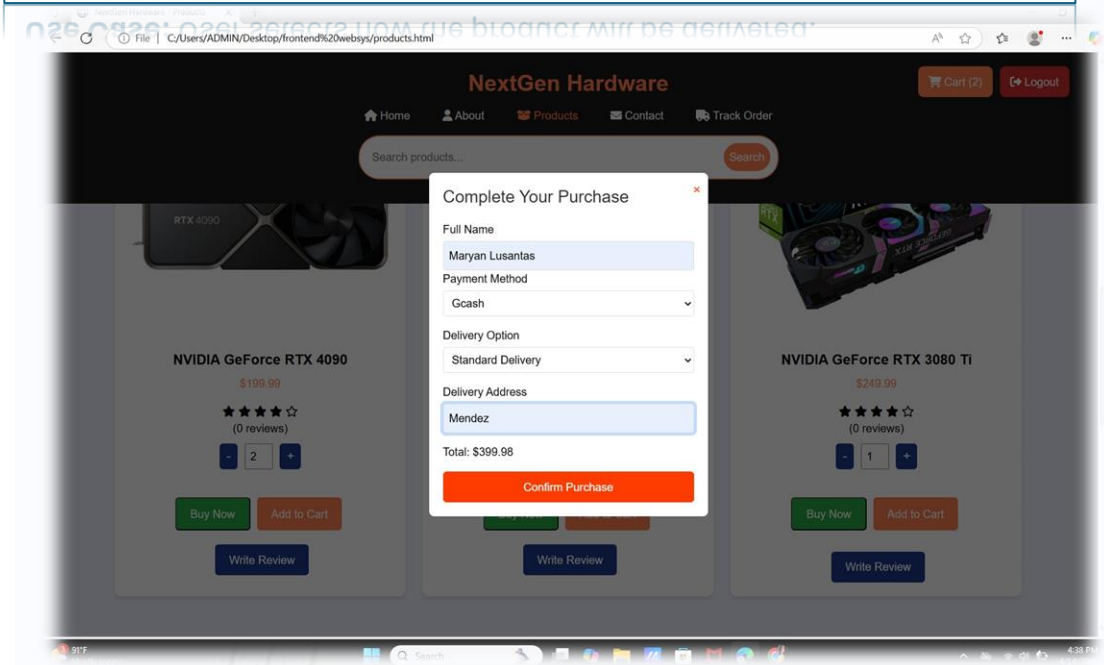
- Completing the Checkout Form

Feature: Checkout details
Use Case: User fills in details and selects payment.



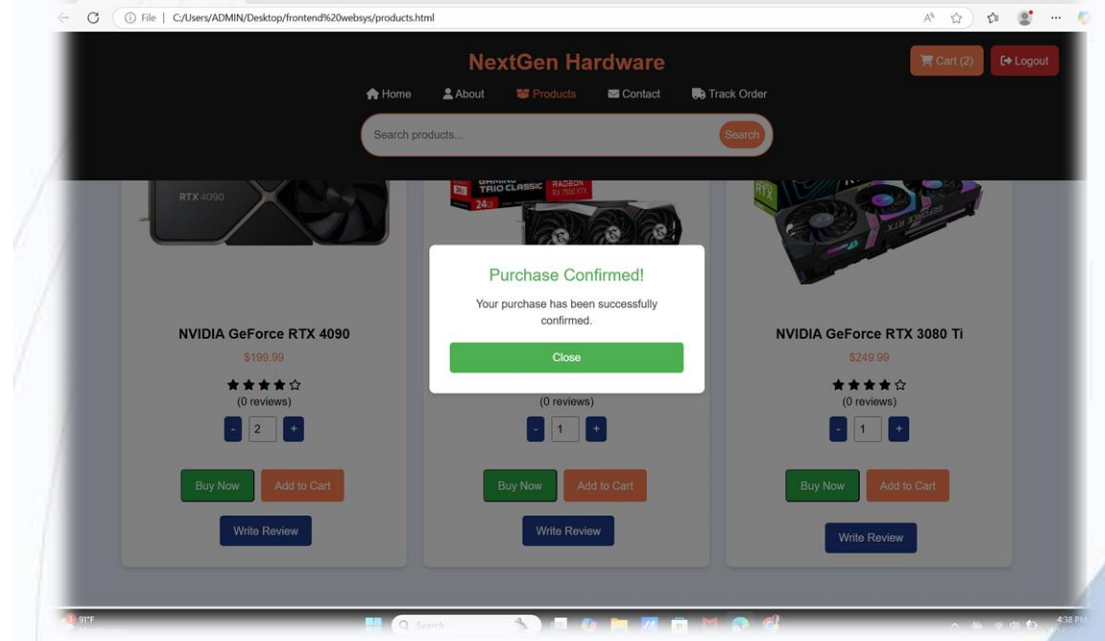
➢ Choosing a Delivery Option

Feature: Shipping method
Use Case: User selects how the product will be delivered.



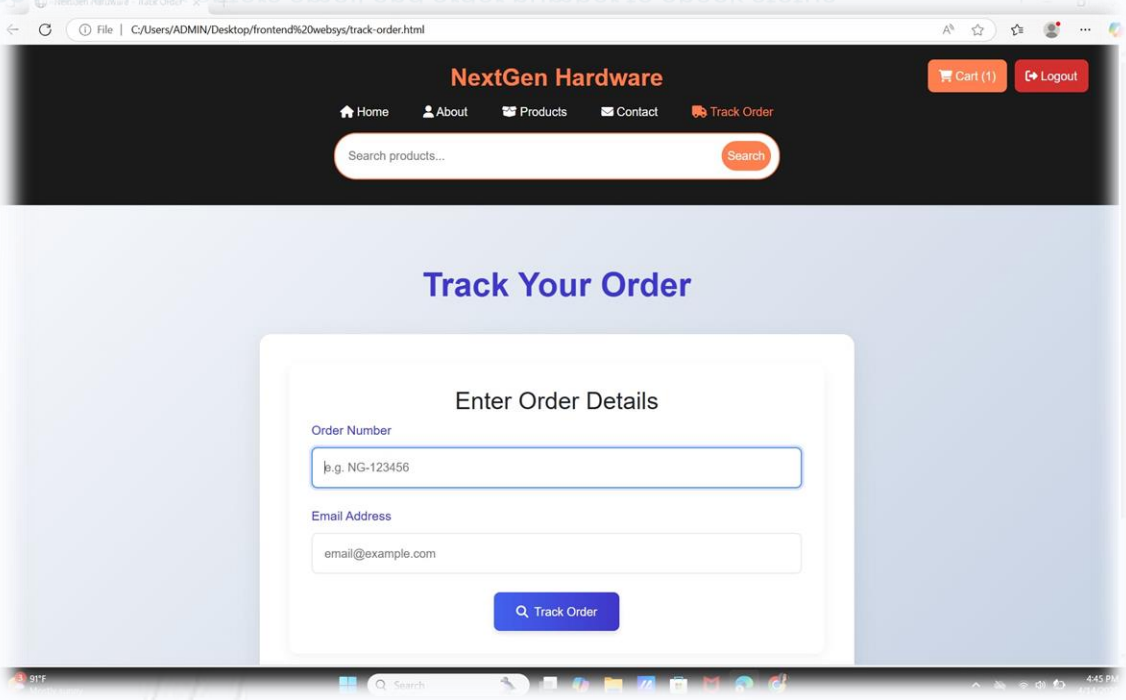
➢ Final Purchase Confirmation

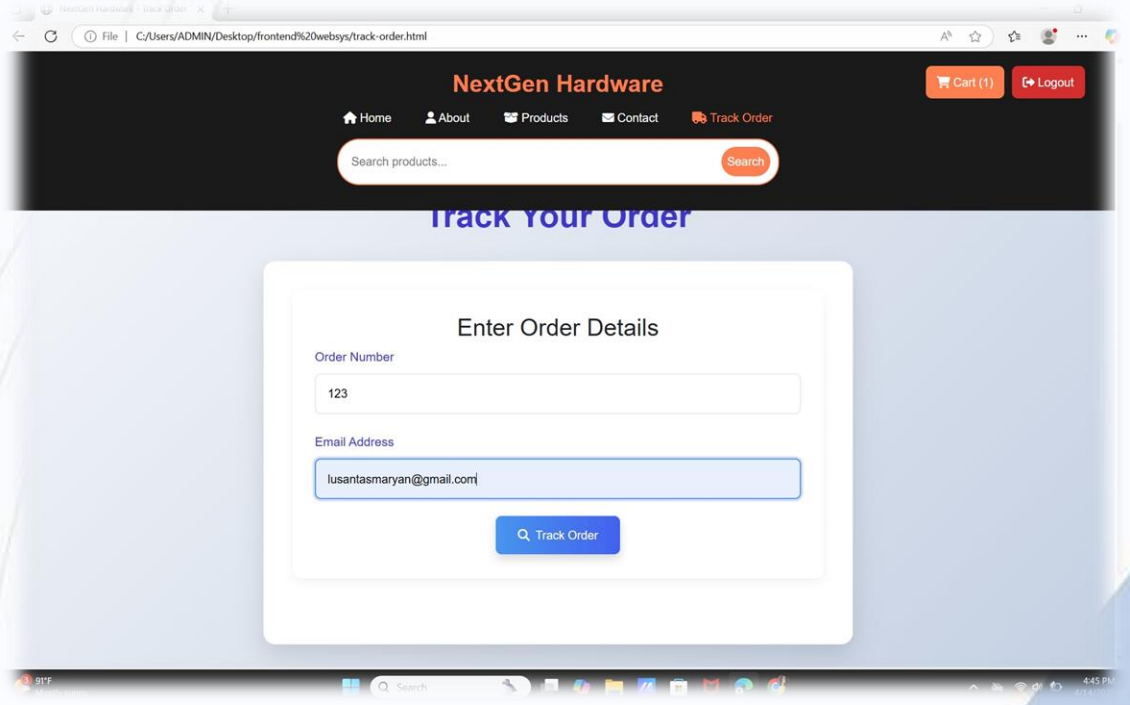
Feature: Order success message
Use Case: User is shown that purchase is successful.



➢ Track Order Input Page

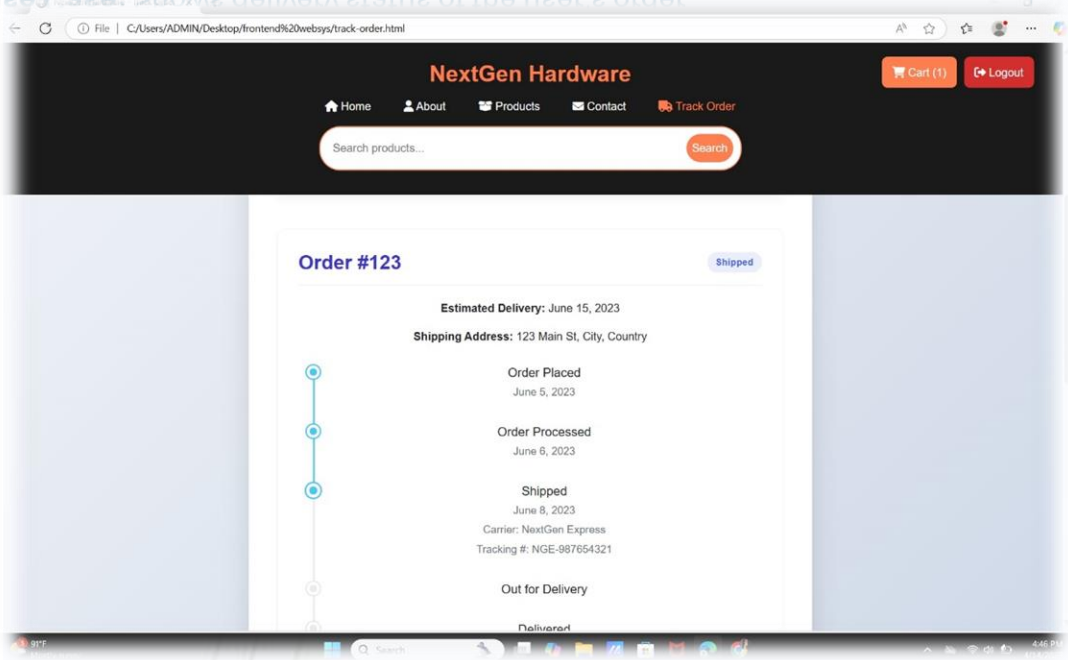
Feature: Order tracking
Use Case: User enters email and order number to check status.

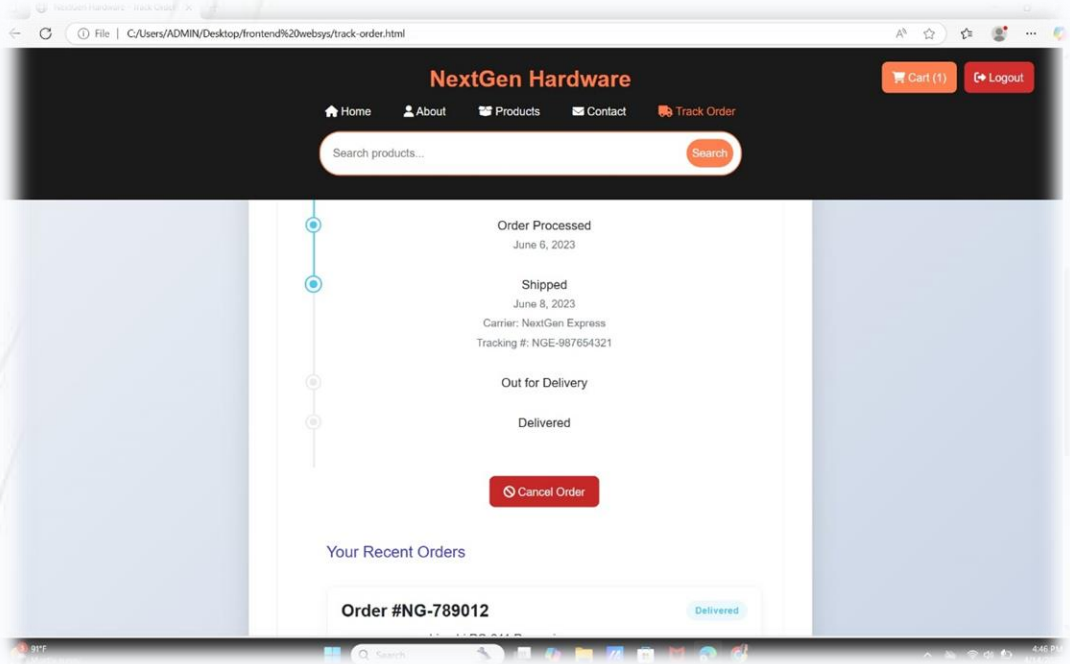




- Order Status Display

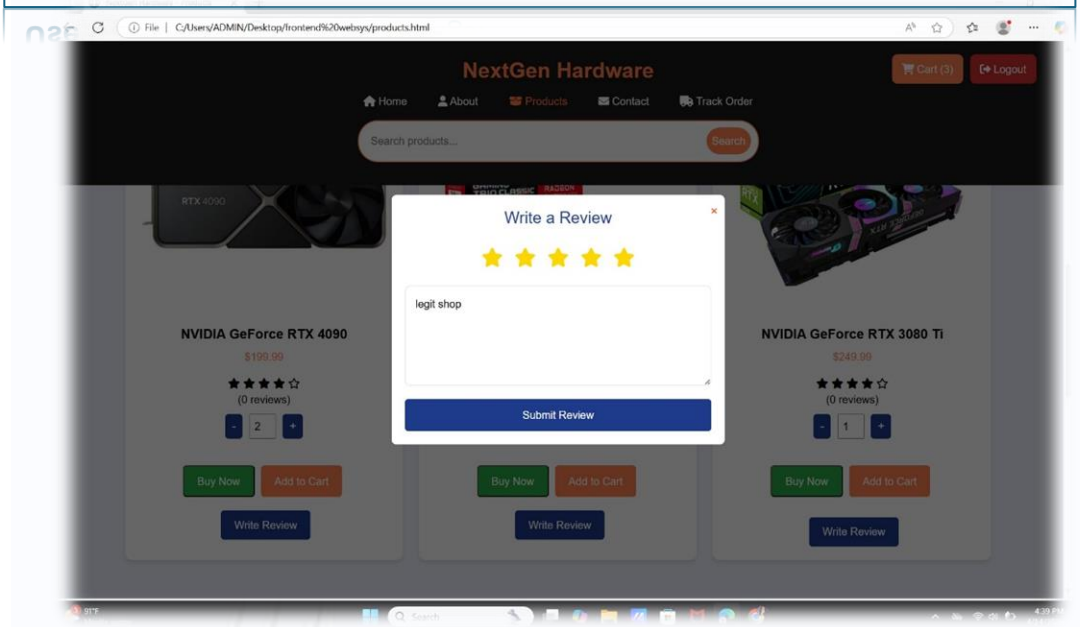
Feature: Tracking result
Use Case: Shows delivery status of the user's order.





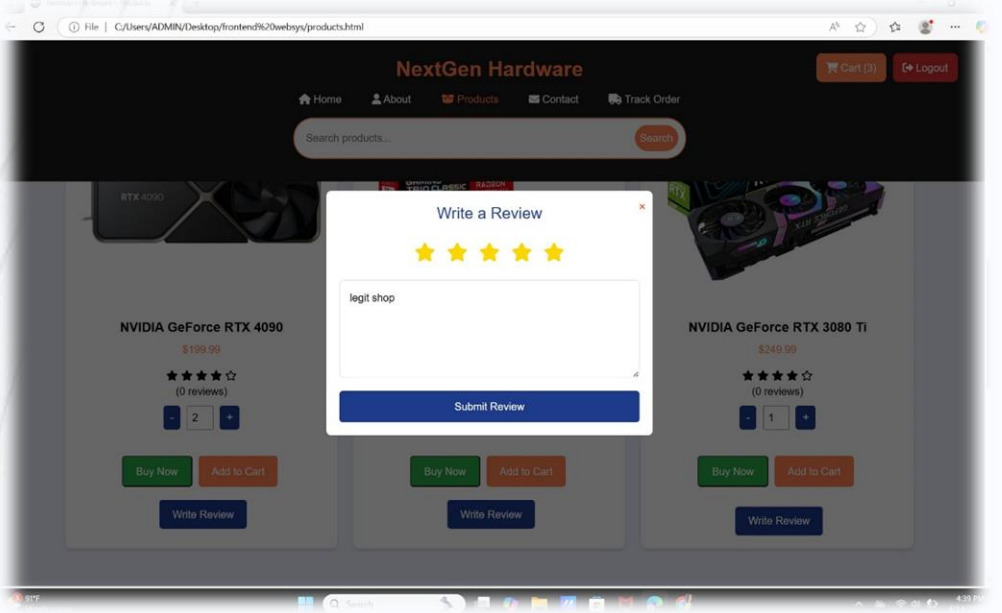
- Rating Items Purchased

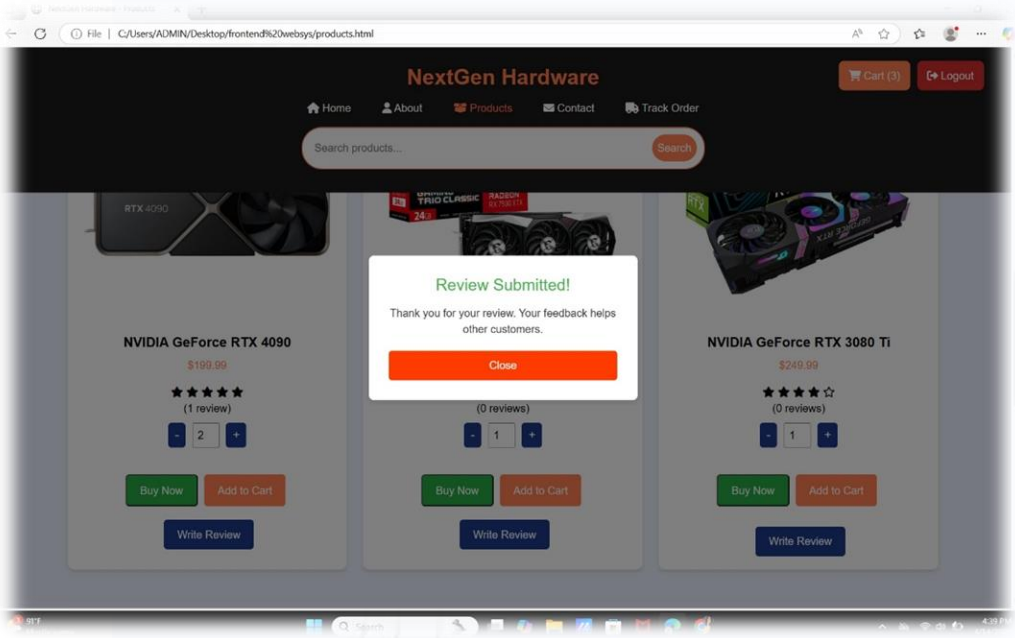
Feature: Product rating
Use Case: User gives star ratings.



- Submitting a Product Review

Feature: User feedback
Use Case: User writes and posts a product review.





Github Folder Structure

```
:\Users\JOEHONEY\Documents\final-project-yoyo\frontend>tree /f
older PATH listing for volume OS
olume serial number is DAA8-09D1
:.
   about.html
   auth.html
   cart.html
   contact.html
   index.html
   products.html
   README.md
   reviews.js
   track-order.html

---img
       background.png
       bg.jpg
       case1.jpg
       case2.jpg
       case3.jpg
       gc1.jpg
       gc2.jpg
       gc3.jpg
       joystick.jpg
       keyboard.jpg
       logo.png
       microphone.jpg
       monitor.jpg
       motherboard.jpg
       processor1.jpg
       processor2.jpg
       processor3.jpg
       webcam.jpg
```

```
---frontend
   |   about.html
   |   auth.html
   |   cart.html
   |   contact.html
   |   index.html
   |   products.html
   |   README.md
   |   reviews.js
   |   track-order.html
   |
   ---img
           background.png
           bg.jpg
           case1.jpg
           case2.jpg
           case3.jpg
           gc1.jpg
           gc2.jpg
           gc3.jpg
           joystick.jpg
           keyboard.jpg
           logo.png
           microphone.jpg
           monitor.jpg
           motherboard.jpg
           processor1.jpg
           processor2.jpg
           processor3.jpg
           webcam.jpg
```

Members' Role Reflections in Phase 2

Member	Role
Yasmien Mae M. Llona	Project Manager
Maryan D. Lusantas	Frontend Developer
Catlyn L. Ruiz	Backend Developer
Yasmin M. Fermin	Database Manager
Niña Jezreen M. Bron	Github Manager
John Mark C. Idanan	Tester/Debugger/Documentation Officer

YASMIEN MAE M. LLONA

Project Manager

As the project manager, I ensured that our frontend development aligned closely with the design documents from Phase 1, such as the ERD and use case diagrams. I coordinated with team members to divide tasks efficiently and maintain consistency across all pages using Bootstrap. Throughout the week, I reviewed each interface to ensure responsiveness and modularity, preparing them for future backend integration. I also monitored our GitHub activity to keep our commits organized and within the structured frontend workflow. This phase helped strengthen our teamwork and attention to detail in UI design.

Developing frontend interfaces taught me the process of transforming concepts into digital visual presentations with interactive functions. The HTML, CSS and JavaScript coding tools taught me to build web pages that users could navigate easily. The difficulties I faced with layout and responsiveness improved as I worked extensively and researched the subject. Using Flexbox alongside Bootstrap simplified the process of adding styles to and positioning visual elements on web pages. The practical experience exposed me to how design and functionality should harmonize in web development.

MARYAN D. LUSANTAS

Frontend Developer

As the backend developer, my role in Phase 2 was to ensure the frontend pages were aligned with the data structure and logic planned for the backend. I collaborated closely with the frontend developer to review forms and inputs, making sure they matched the fields defined in our ERD for a smooth API integration later. Although backend functionality was not implemented yet, I began outlining the routes, models, and controller logic needed for Phase 3. This phase helped me anticipate potential integration challenges and plan the backend flow accordingly.

CATLYN L. RUIZ

Backend Developer

During the second phase, I have not been able to do much work since I wasn't required or included in the specific team roles involved. My responsibilities as a database manager weren't heavily needed at this phase of the project. Nonetheless, I am still willing and available to help the team anytime they need assistance. I know the value of teamwork, and I'm prepared to contribute whenever my role becomes more relevant.

YASMIN M. FERMIN

Database Manager

Handling the GitHub tasks for Phase 2 was pretty chill. Basically, I just had to upload the frontend files in there and tweak the README to show where we're at. Way less headache than last time, although there was one detail I needed to change. I renamed the screenshots 1-9 with leading zeroes to correct the sorting. It was a good reminder that keeping things organized and making sure everyone knows what's going on in the repo really pays off.

NIÑA JEZREEN M. BRON

Github Manager

During Phase 2 of our project, I worked as the Documentation Manager and focused on preparing the laboratory report for our e-commerce website, NextGen Hardware. I added clear notations for each feature and arranged them in order, from the Authentication Page to the Track Order Page, to reflect the actual user flow. This helped ensure that our documentation matched the system's structure and design. It also improved my ability to organize technical content and align it with our diagrams like the Use Case and ERD. Overall, this phase strengthened my understanding of both the system and the importance of proper documentation.

JOHN MARK C. IDANAN

Tester/Debugger/ Documentation Officer

Github URL to /frontend folder

- **https://github.com/JezreenB/final-project-yoyo/tree/main/frontend**