**Team Contributions for Sprint 2**

**Nhi (Product Owner)**

* ***Database***: Nhi structured the backend database for the entire project using MongoDB and Mongoose. This involved:
* Designing and implementing the MongoDB schema for storing user data, product data, and other essential information.
* Integrating Mongoose models to interact with the MongoDB database.
* ***Login Page***: Nhi was responsible for developing the Login page, allowing users to authenticate using their credentials. Key tasks included:
* Building the login form and input validation.
* Managing form states and error handling (e.g., incorrect passwords, non-existent accounts).
* Authentication Context & Middleware: Nhi implemented the Authentication Context using React's Context API, which manages the user's authentication state globally. She also wrote JWT-based middleware for the backend to secure routes that require authentication.
* Ensured proper user state management after successful login and redirection to the protected areas of the app.
* ***Product Detail Page:*** Nhi developed the Product Detail Page, which displays in-depth information about a product when clicked on in the Newsfeed or Search Results.

**Profile Features:**

* ***User Profile Menu***: Created the dropdown and sidebar menu for easy access to user profile features.
* ***My Profile Page***: Implemented the My Profile page where users can view and edit their personal details, such as name, email, and profile picture as well as changing password.

**Trung (Scrum Master for Week 1 and Week 2)**

* ***Scrum Master***: As the Scrum Master for the first two weeks, Trung took on the responsibility of coordinating team meetings and managing the Trello board. This included organizing sprint planning sessions, daily standups, and retrospectives to ensure the team was aligned and making progress on tasks.
* ***Sign-Up Page:*** Trung was primarily responsible for implementing the user Sign-Up functionality, enabling new users to create accounts. This task involved:
* Setting up the form for capturing user information.
* Handling form validation (e.g., email format, password complexity).
* Integrating with the backend to store new user data.
* Email Verification System: Trung also developed the system for sending and verifying user email addresses. This included:
* Writing the logic to send a verification email after sign-up.
* Creating a process where users can verify their email by clicking a link, confirming the validity of the account before granting full access.

**Tu (Designer/Developer)**

* ***Header, Navigation Bar, and Footer***: Tu took charge of designing and implementing the Header, Navigation Bar, and Footer components, providing the core structure for navigating the app:
* The Navigation Bar includes categories and links for easy access to key pages such as Home, Sign Up, Login, and Profile.
* Made the design responsive and user-friendly.
* ***Contact Us Page:*** Developed the Contact Us page, allowing users to get in touch with the app's support team or submit inquiries.
* ***Product Listing by Category***: Implemented the logic that displays products when users click on specific categories in the Navigation Bar. This included fetching product data from the backend and rendering the results dynamically.

**Kim (Current Scrum Master)**

* ***Scrum Master***: As the current Scrum Master, Kim has been managing the Trello board and timeline of the project, ensuring that tasks are being tracked and deadlines met.
* ***Home Page:***
* Developed the ***Hero*** Component, a prominent section on the homepage that highlights featured products or promotional content.
* Built the ***Newsfeed*** Component, which fetches and displays product recommendations from the backend. The newsfeed includes pagination, allowing users to load more products as they click the “Load More” button.
* ***Search Bar***: Kim implemented the Search Bar functionality within the header, enabling users to search for products by keywords. This involved:
* Handling user input in the search bar.
* Filtering products from the backend based on the search query.
* Providing real-time feedback for matching products as users typed.
* ***Search Results Page***: Developed the Search Results Page, which displays products matching the user's search query. This included implementing:
* Pagination and load-more functionality for search results.
* A dynamic display for when no products match the search query.