UNIVERSITY OF SCIENCE HO CHI MINH CITY

**INFORMATION TECHNOLOGY**

----- 🙡 🕮 🙣 -----



**SOFTWARE ENGINEERING**

***Topic:* SUPPLEMENT AND FITNESS SHOP WEB**

Lectuer : **Phạm Hoàng Hải  
 Nguyễn V. Vũ  
 Trương Phước Lộc**

Group member:

|  |  |  |
| --- | --- | --- |
| STT | Họ và tên | MSSV |
| 1 | Nguyễn Trần Đức Thiện | 22127397 |
| 2 | Nguyễn Đình Kiên | 22127216 |
| 3 | Võ Hoàng Anh Khoa | 22127201 |
| 4 | Hoàng Văn Khải | 22127173 |
| 5 | Hồ Trương Viết Long | 22127241 |

**Hồ Chí Minh, năm 2024**

1. **Introduction**

Supplement and Fitness Shop is your one-stop destination for high-quality supplements and fitness products, designed to help you achieve your health and wellness goals. Our product line is carefully curated to provide a range of supplements that enhance energy, support recovery, and promote overall fitness. Whether you're a professional athlete or just beginning your fitness journey, Supplement and Fitness Shop offers trusted products made with premium ingredients to fuel your progress. We are committed to delivering excellence and transparency, ensuring that every product meets the highest standards of quality and safety.

It is really worthy to do beacause we want :

* To create an online platform that allows customers to browse and purchase a variety of high-quality fitness supplements.
* To offer personalized fitness coaching through a dedicated personal trainer service that helps users achieve their fitness goals.
* To provide a community-driven space where users can engage in fitness-related discussions, share advice, and support one another in their health journeys.

1. **Target users and environments**

**Target users :**

* Health-conscious consumers: Individuals looking for nutritional supplements and fitness products to improve their health, boost energy, and maintain overall wellness.
* Gym-goers and athletes: This group often seeks supplements like whey protein, pre-workouts, and creatine to enhance workout performance and aid in recovery.

**Environments :**

* Front-end : HTML, CSS and JavarScript
* Back-end :
* Database : PostgreSQL to store item and custormer’s information
* Good compatibility with almost all browsers : Chrome, FireFox, Microsoft Edge, Safari,…
* Hosting Platform :
  + Local :
    - 16GB RAM, 12 CPU, 256GB storage
    - PostgreSQL host locally
  + Cloud :
    - Server deployment : Vercel

1. **Key features**

**Project model : RUP**

**Account features: (Customer and Dealer Account)**

* User Registration and Login: Allow users to create accounts or access their existing ones on a website, providing secure access to personalized features. Additionally, integration with Facebook and Google enables users to log in using their social media credentials, improving user convenience.
* Change password and edit information of the user (avatar, cover, etc).

**Admin**

* User Management: Admins can create, edit, or delete user accounts, including dealer and customer profiles, and assign user roles.
* Inventory Management: Admins can add, edit, or remove product listings, manage fitness product details, and set pricing.
* Analytics and Reporting: Access to data and analytics tools to track website performance, user behavior, and inventory metrics.
* User Reviews and Ratings: Monitoring and moderating user-generated product reviews and ratings to maintain content quality.
* Communication: Sending notifications, newsletters, or updates to users, as well as addressing user inquiries and providing support.
* Role Assignment: Assigning and managing user roles and permissions, such as dealer, and customer roles.

**Customers**

* Browsing and Searching: The users can view, and filter the number of available products by their model, year, and price range.
* Product Details: Provide comprehensive information about supplement and fitness products, including ingredients, benefits, pricing, usage instructions, recommended dosage, and product photos..
* Add to Cart: Customers can add products of interest to a virtual cart for further consideration before making a purchase decision.
* Customer’s Dashboard: Access to a history of all inquiry records which are totally visible from the customer’s dashboard.
* Reviews and Ratings: Customers can leave feedback and ratings on products they've purchased, contributing to the overall transparency of the dealership's reputation.
* Inquiry: With it, customers can send messages or make an inquiry regarding the product
* Account Dashboard: A central hub for customers to manage their profiles, preferences, and communication settings.
* Subscription: The ability to subscribe to newsletters, updates, or notifications about new product arrivals or promotions.

**Dealer**

* Listing Products: Dealers are responsible for creating and managing listings for the products they have for sale. This includes providing detailed information about the products, such as brand, type, ingredients, benefits, price, and usage instructions.
* Post Blog/News Section: Post for product-related articles, news, and updates.
* Communication Tools: Receive and respond to inquiries from potential buyers, real-time messaging system for direct communication, and get a notification system for new messages or offers.
* Dealer Profile: Create and manage a detailed seller profile, display contact information, location, and business details, and upload a seller logo or profile picture.
* View Analytics: Access data and statistics about the performance of listings. Insights into views, inquiries, and user interactions.
* Payment and Invoicing: Handle payments and generate invoices for sold products.