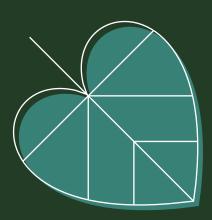


TECHSTYLE SOLUTIONS

Apple store website

Do Thanh Tung

INTRODUCTION



This project focuses on designing and implementing a user-friendly and functional e-commerce platform specifically tailored for selling Apple products. Through this website, I aim to streamline product management, enhance the shopping experience, and provide a reliable solution for online transactions. The presentation will take you through the project's goals, system design, key features, and testing results, followed by a live demonstration of the website.

GOAL OF THE PROJECT

Develop an e-commerce website using PHP, HTML, CSS, JS and Apache server on Laragon to sell Apple technology products, with intuitive and easy to use interface.

- 1. Build a system to add, edit, delete and display products by category.
- 2. Develop a user-friendly interface that allows users to easily browse products and add to cart.
- 3. Create an administrator account to manage product catalogs and control orders.

FUNCTION REQUIREMENT



1. Function requirement

- Product Page: Display a list of Apple products by category.
- Provide a quick product search function.
- Cart: Add, remove products in the cart.
- Display total bill and support payment.
- User Management: Register, log in and manage customer accounts.
- Administrator account management to add, edit, delete products and orders.
- Order Management: Handle order status (processing, delivered, canceled).
- Save order history for each user.



NON-FUNCTION REQUIREMENT

- Performance: The system operates smoothly, processing quickly even when there are many users accessing.
- Security: Encrypt passwords in the database.
- Prevent SQL Injection and XSS.
- Extensibility: Easily add more categories, products or new features in the future.
- Compatibility: Works well on popular browsers such as Chrome, Firefox, Safari.
- Support interface compatible with both mobile devices and desktop computers.



TECHNOLOGY USED

Backend: PHP.

Frontend: HTML, CSS, JavaScript (Bootstrap supports the interface).

Database: MySQL.

Server: Apache on Laragon.

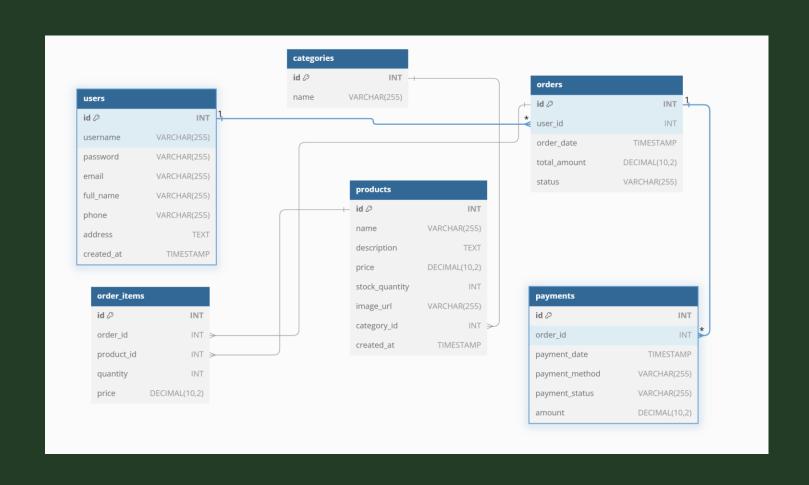
SYSTEM DESIGN

1. ERD

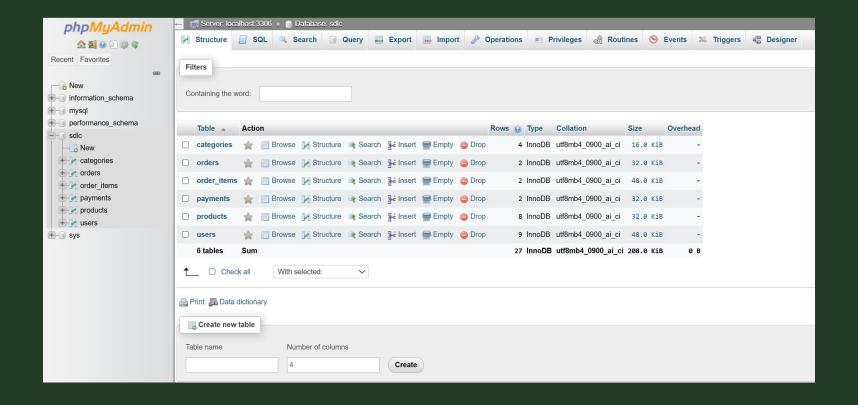
- There are 6 tables for this system:
 - •Users
 - Products
 - •Orders
 - •Order_Items
 - •Payments
 - •Categories



ERD DIAGRAM



RESULT TABLE IN SQL



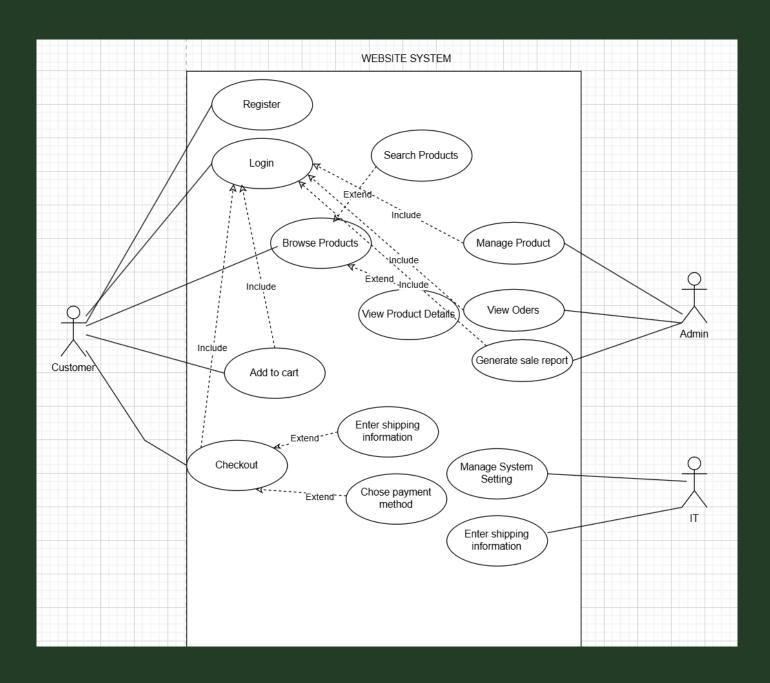
USER CASE

Actors:

- Customers: Search for products, add products to cart, checkout, view order status.
- Administrators: Manage products, manage orders, manage users.
- IT:

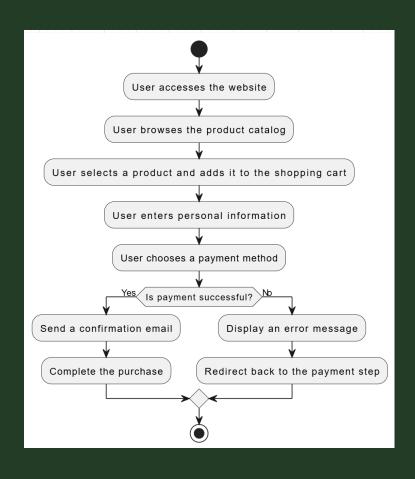
Key use cases:

Manage cart, process payments, login/register, manage products.

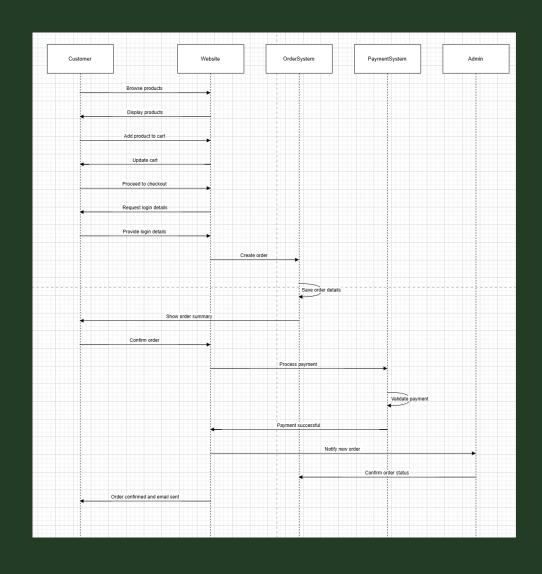


USE CASE DIAGRAM

FLOW CHART OF USER BYING PRODUCT



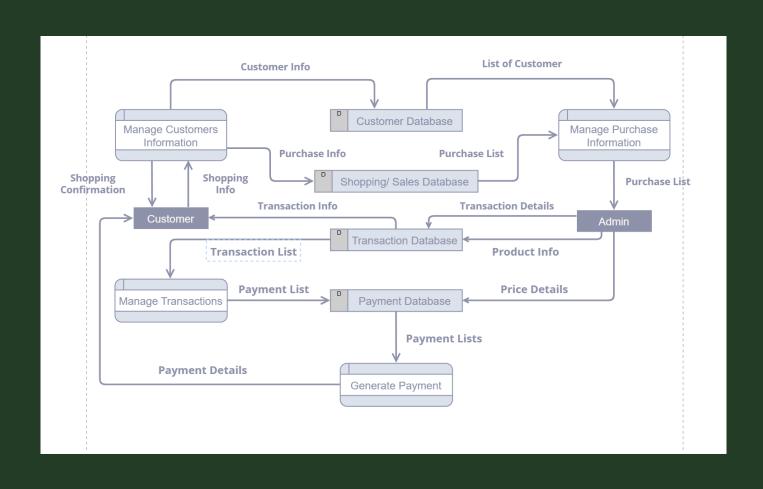
SEQUENCE DIAGRAM



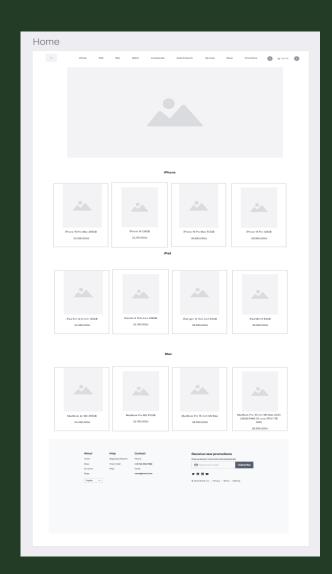
DFD DIAGRAM LEVEL 0

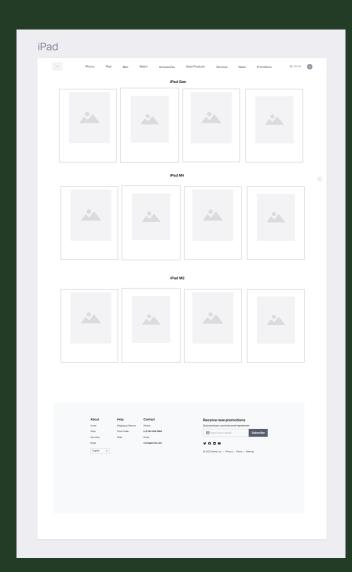


DFD LEVEL 1

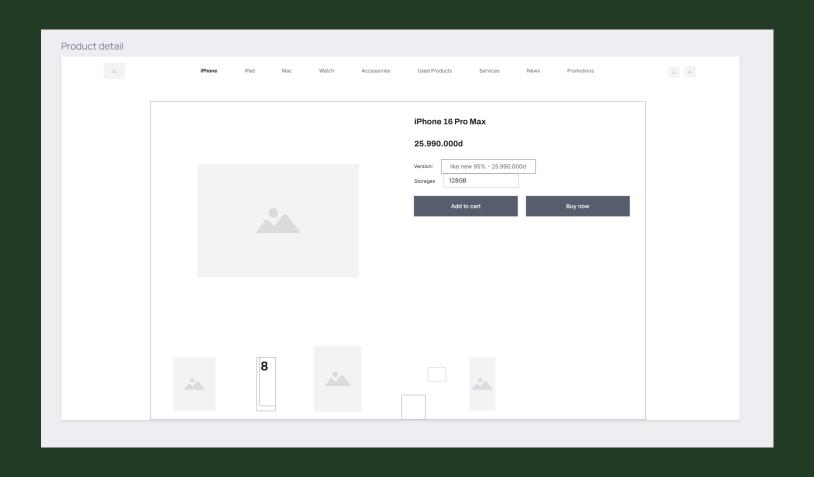


WIREFRAME OF HOMEPAGE AND PRODUCT

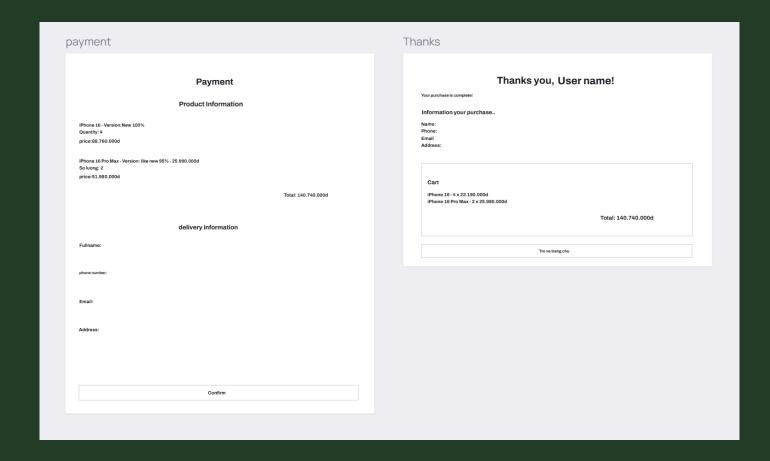




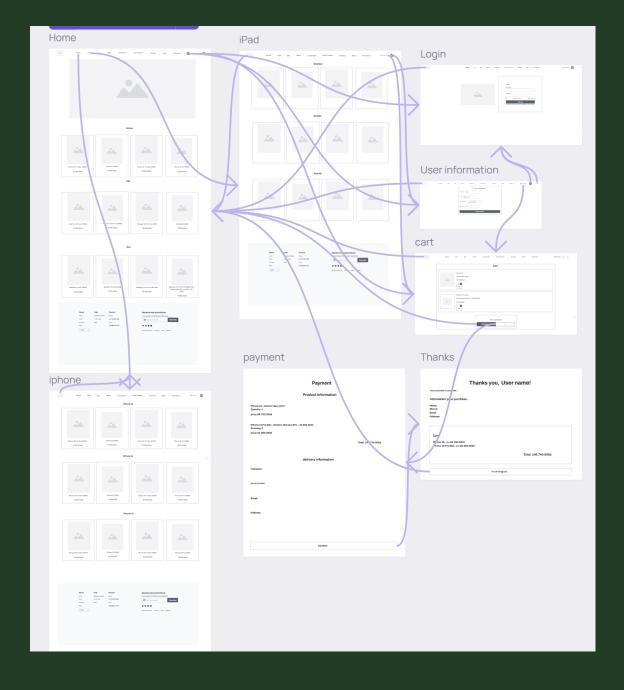
WIREFRAME OF PRODUCT DETAIL



WIREFRAME CHECKOUT



PROTOTYPE



UI

1. Home page

Main interface of the website is Homepage:

- Displays a list of Apple products by category such as iPhone, MacBook, iPad, etc.
- Navigation menu with options: Home, Product categories, Cart, login.

Outstanding interface:

- Modern design, using Bootstrap to create responsive layout.
- Use sharp images, short descriptions and transparent prices for each product.



iPhone

iPad

Mac

Watch

Accessories

Used Products

Services

News

Promotions





Làm được nhiều hơn trên *iPad*

Viết tay các ghi chú. Chuẩn.

Ưu đãi tới 13 Triệu. Trả góp 0% chỉ từ 615/tháng. Chỉ từ 7.090.000đ

Mua ngay

Phụ kiện được bán riêng. Ứng dụng có sẵn trên App Store. Nội dung được cung cấp có thể thay đổi.

iPhone

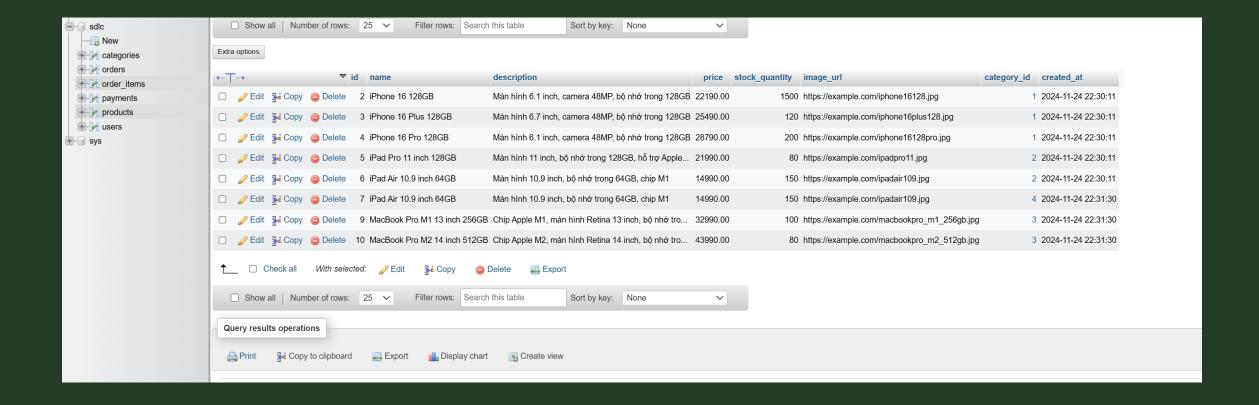




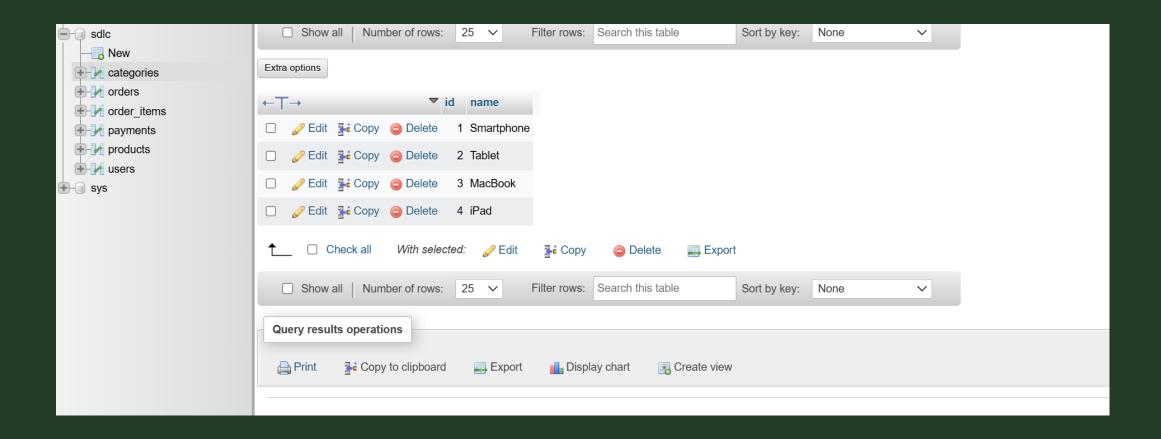




DATA OF PRODUCT



DATA OF CATEGORIES



CART

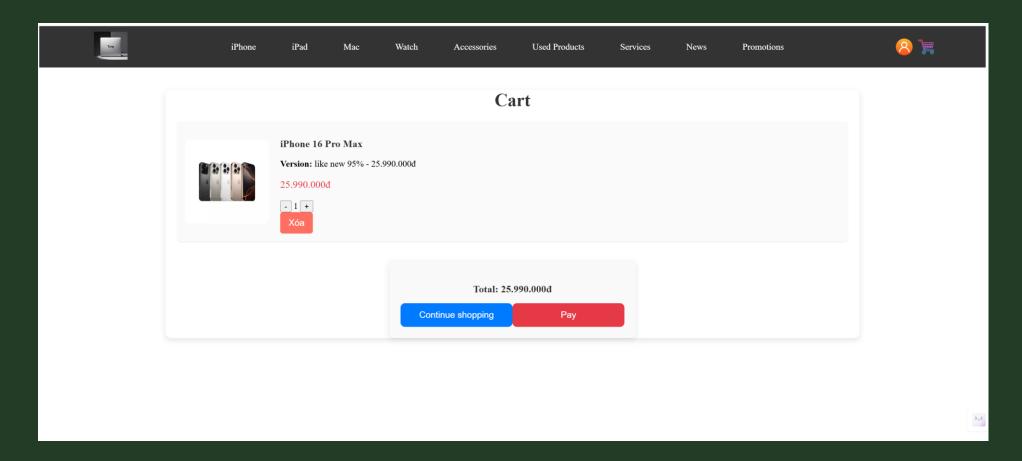
Add products to cart:

- Users can add products to cart with just one click.
- Show the quantity of products in cart in the top right corner.

Manage cart:

- Users can increase/decrease quantity or remove products from cart.
- Total price is calculated automatically.

CART

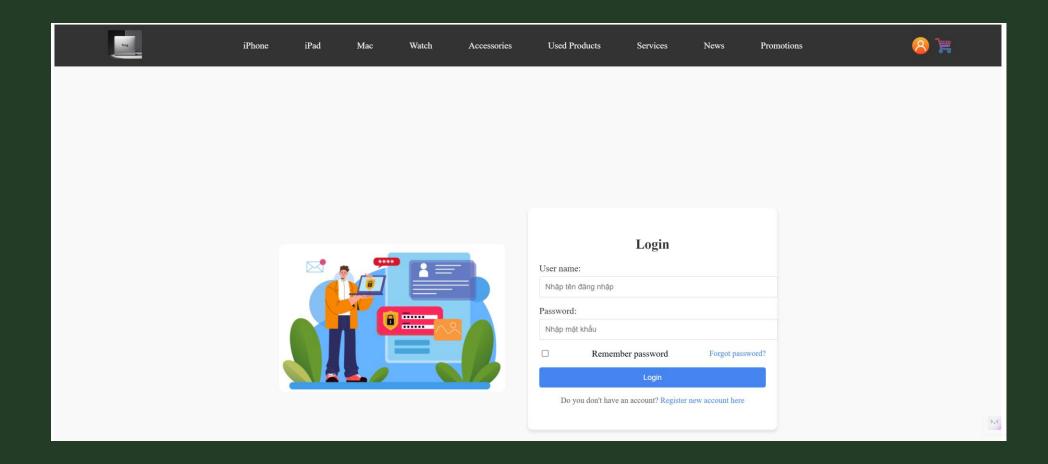


LOGIN SITE



- Users need to register an account to place an order.
- Provide login feature for customers who already have an account.

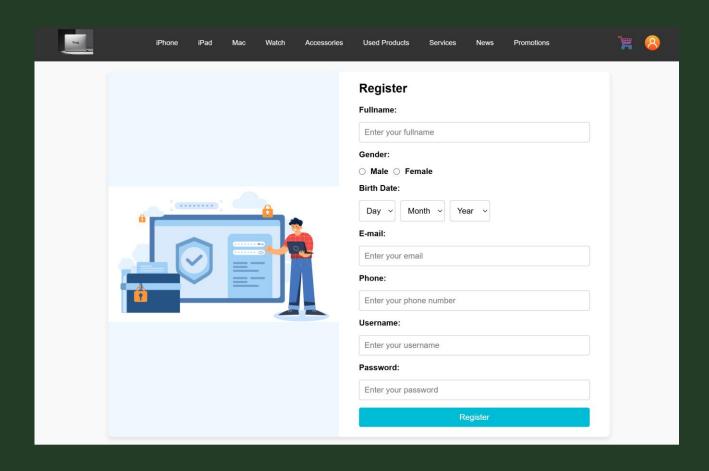
LOGIN SITE



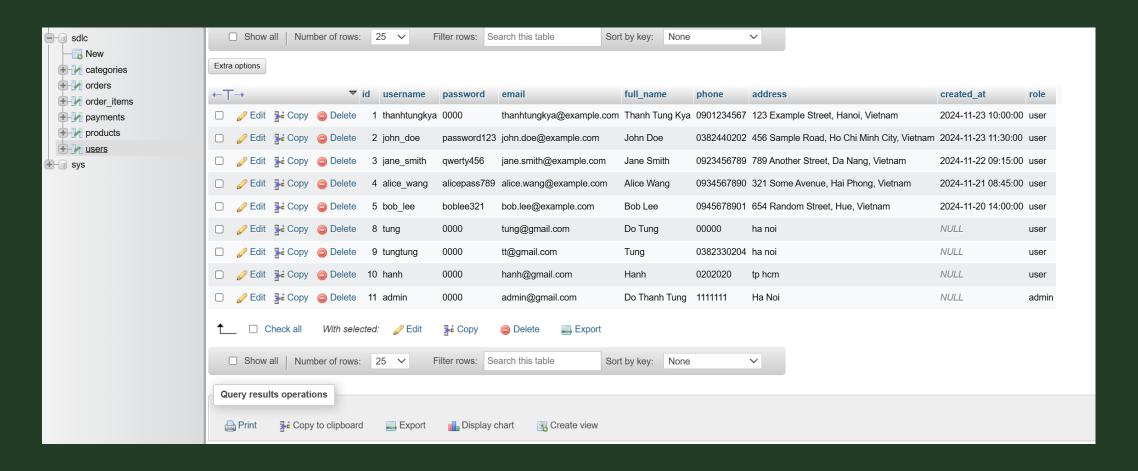
REGISTER SITE

- Customer can register account by personal like email, phone number, fullname, birthdate, etc.
- So, information will be save in SQL of website.

REGISTER SITE



DATA OF USER INFORMATION



CHECK OUT SITE

- Allow customers to fill in payment information and place an order.
- Display order details after payment.

Payment Product Information iPhone 16 - Version: New 100% Quantity: 2 Price: 44.380.000đ iPhone 16 Pro Max - Version: like new 95% - 25.990.000đ Quantity: 2 Price: 51.980.000đ Total: 96.360.000đ delivery information Fullname: phone number: Email: Address: Confirm

BILL PAGE

Thanks you, Tung!

Your order has been confirmed and will be delivered soon.!

Oder information:

Fullname: Tung
Phone: 038233333

Email: thanhtungkya@gmail.com

Address: BTEC

Cart:

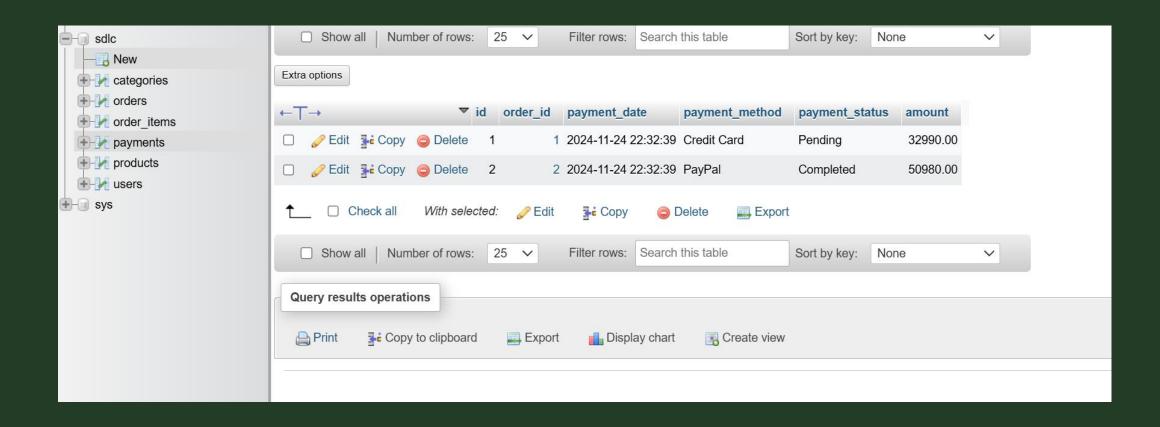
iPhone 16 - 2 x 22.190.000đ

iPhone 16 Pro Max - 2 x 25.990.000đ

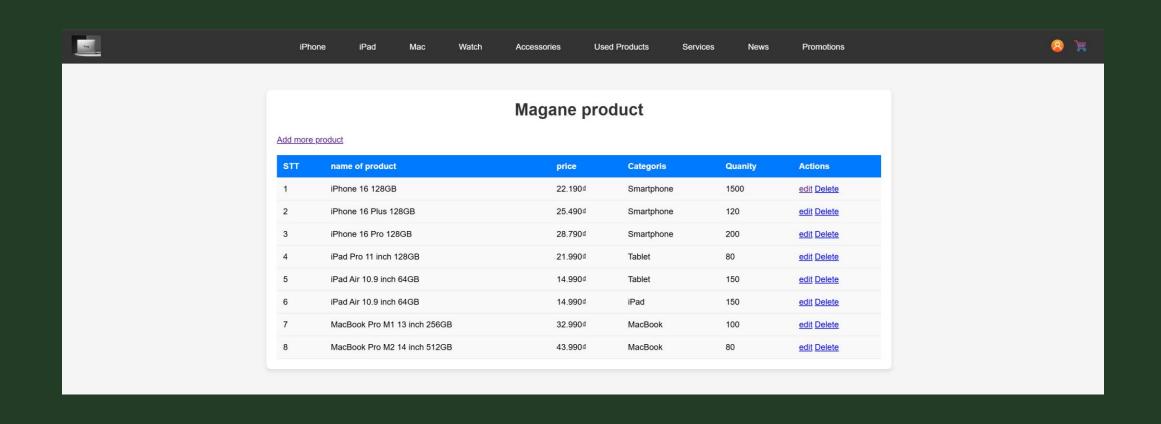
Total: 96.360.000đ

Go back Home page

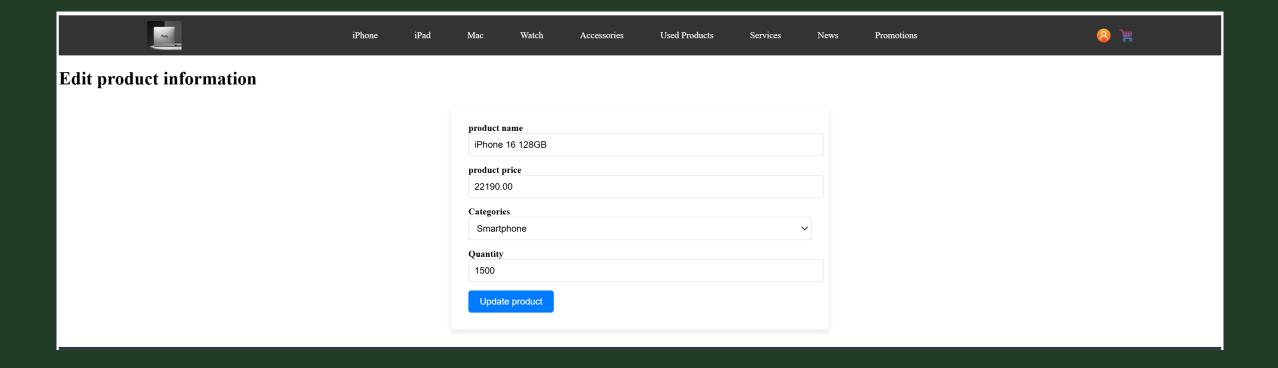
DATA OF BILL WHEN USER CHECK OUT



ADMIN MANAGER PRODUCT



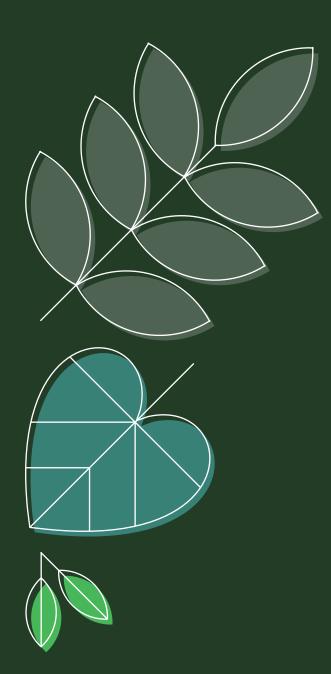
ADMIN EDIT PRODUCT



ARCHITECHTURE

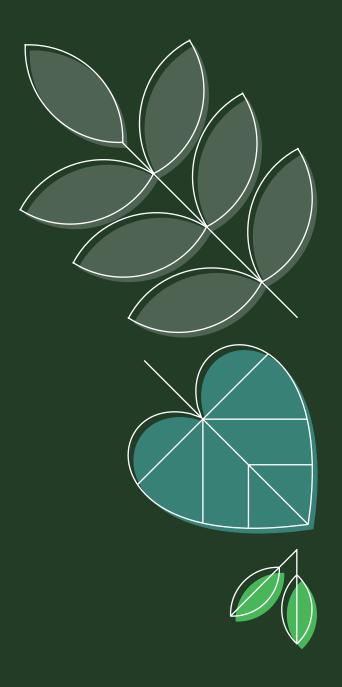
Tri-Tier Architecture:

- Front-end: HTML, CSS, JavaScript (Bootstrap).
- Back-end: PHP logic processing application.
- Database: MySQL data storage system.



CONCLUSION

The product and order management system operates effectively, fully meeting the requirements set. Successfully integrated an intuitive interface and functions such as shopping cart, payment, and user management. Gain a deeper understanding of how frontend and backend work together. Improve your database and application security skills.



THANKS FOR WATCHING



Thank you to all the teachers and friends who have supported and guided me during the project.



A special thank you to the audience for their interest and listening to the presentation.