

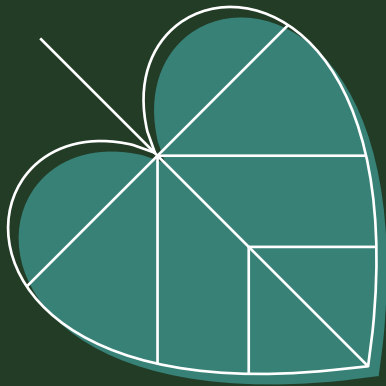
TECHSTYLE SOLUTIONS



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.

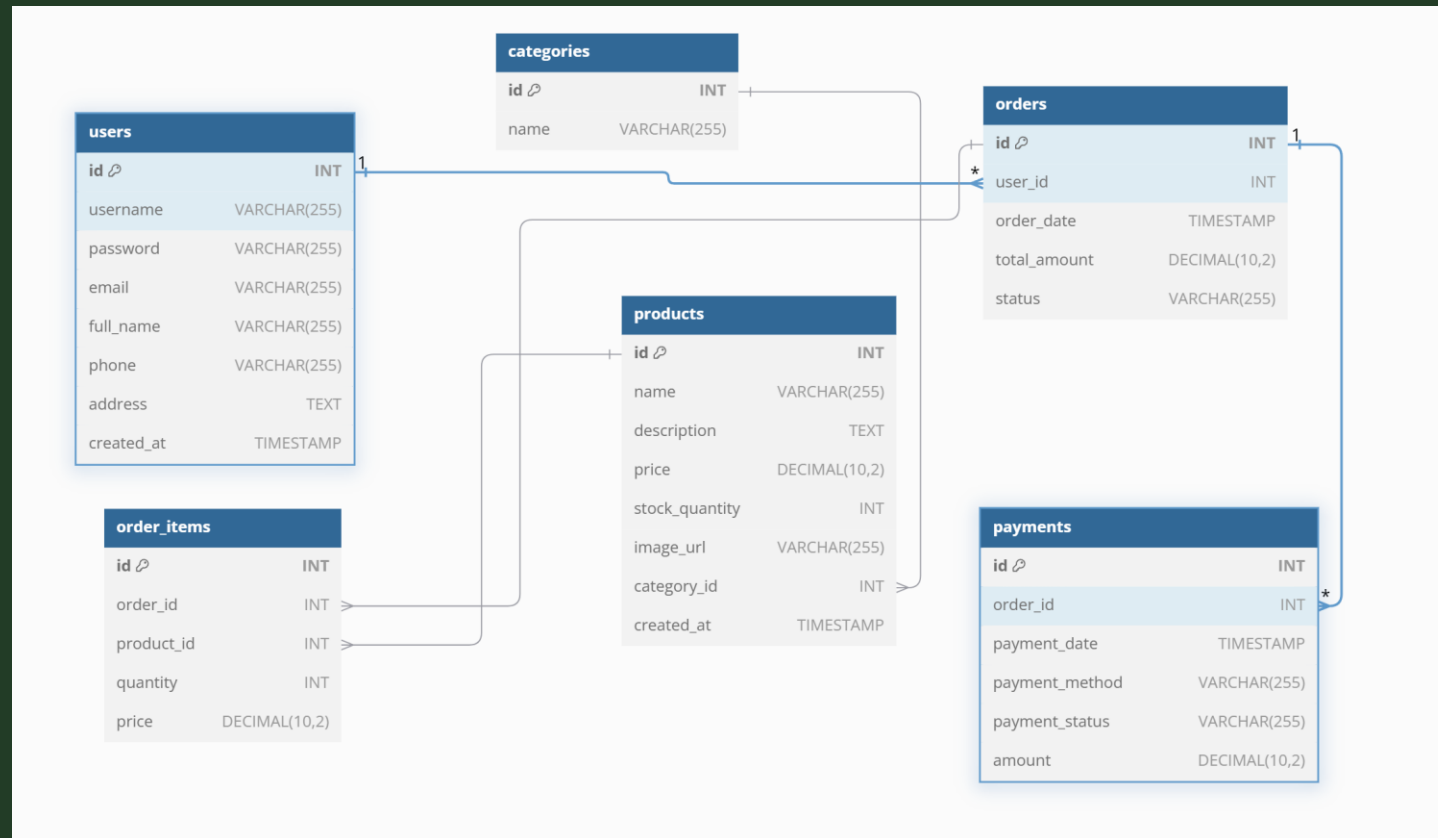
SYSTEM DESIGN

1. ERD

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



ERD DIAGRAM



USER CASE

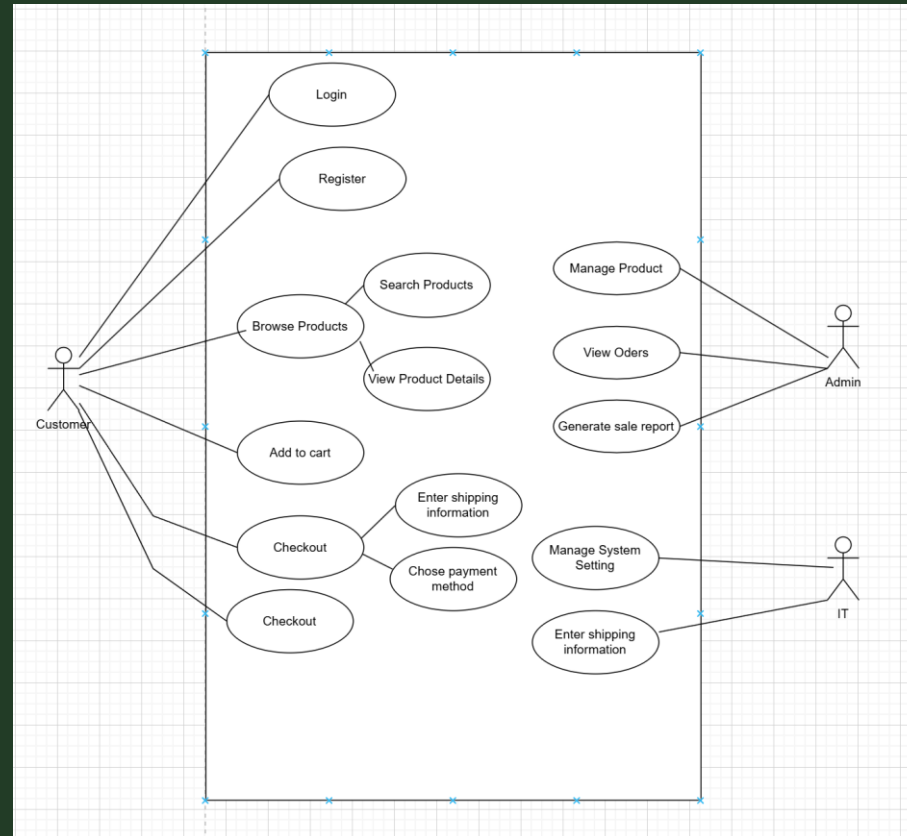
Actors:

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

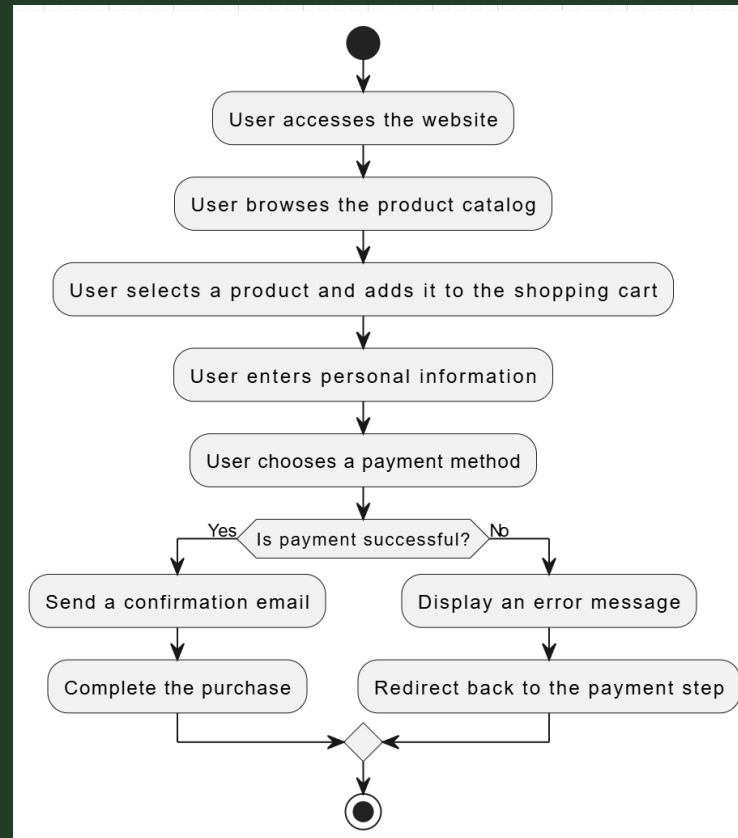
Key use cases:

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

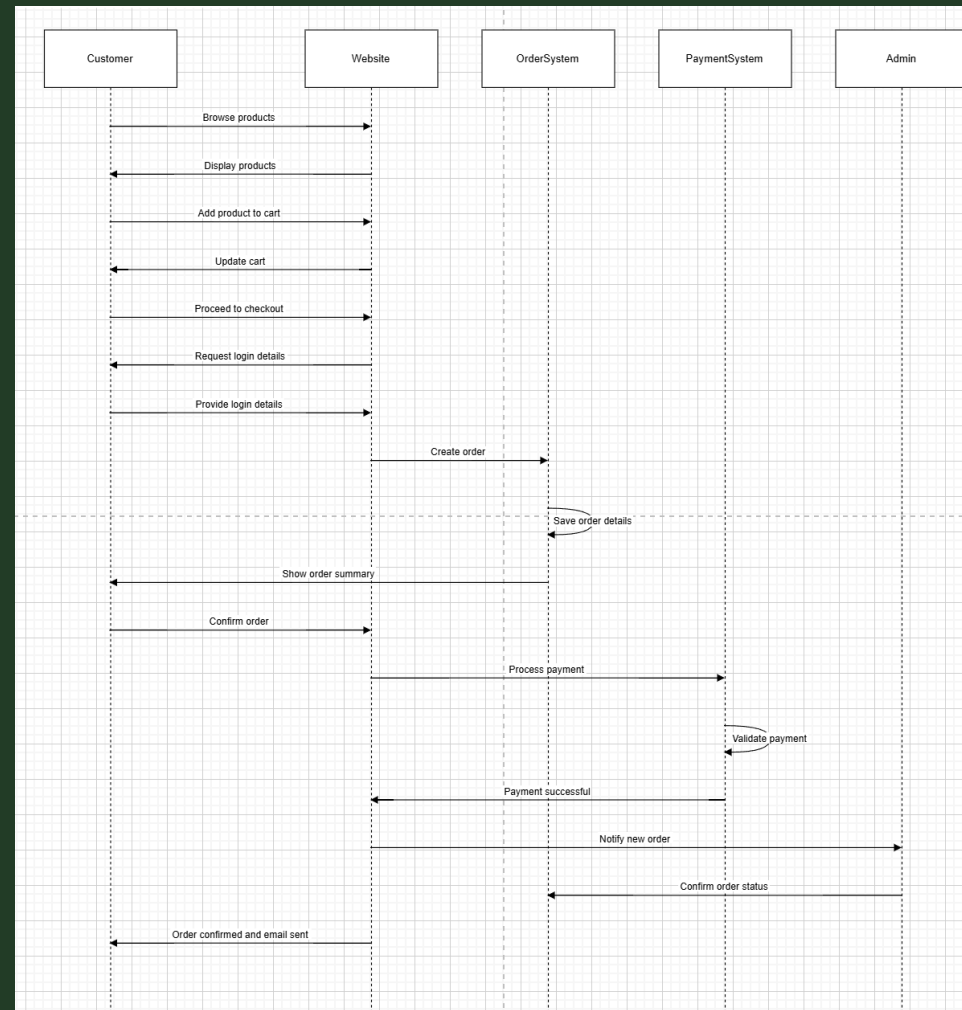
USE CASE DIAGRAM

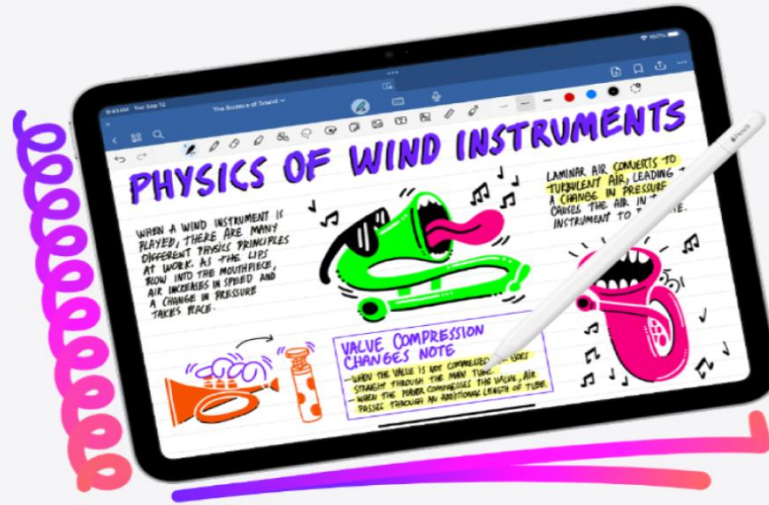


FLOW CHART



SEQUENCE DIAGRAM



[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



CART

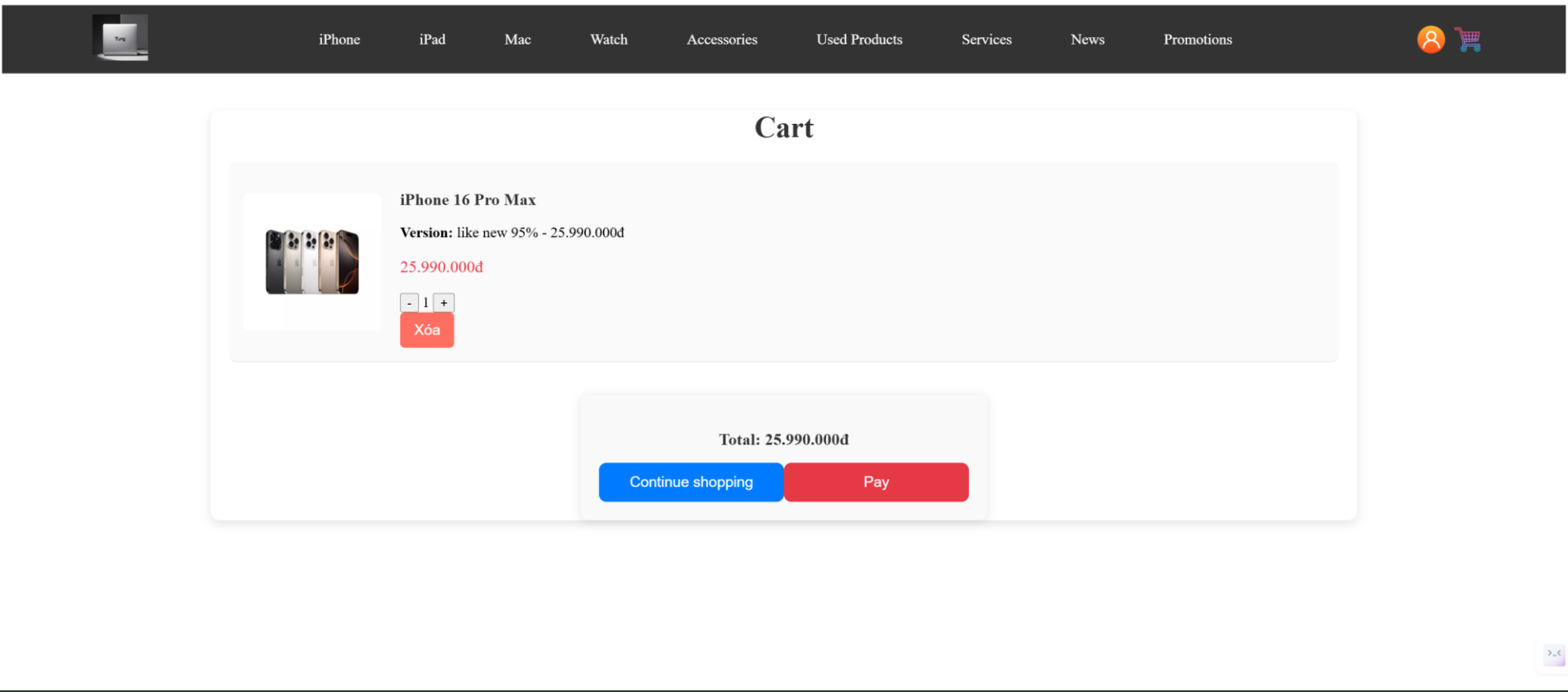
Add products to cart:

- 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

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Login


User name:

Password:

☐ Remember password [Forgot password?](#)

Login




[Do you don't have an account? Register new account here](#)




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

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Register

Fullname:

Gender:

☐ Male ☐ Female

Birth Date:

E-mail:

Phone:

Username:

Password:

Register

CHECK OUT SITE

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

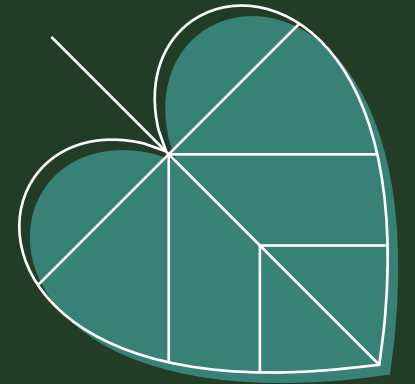
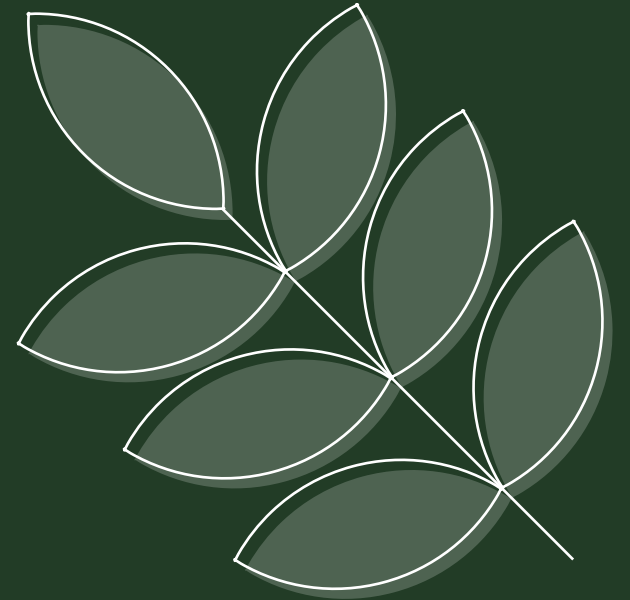
ARCHITECTURE

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.