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01 Background

Objective: Enhance user experience and operational efficiency in e-commerce.

Scope:Full design and implementation of both frontend and backend.

Audience: Targeting e-commerce buyers, sellers, administrators, and customer service.



02 Aims

Review of current e-commerce platforms and identification of gaps.

Importance of user-friendly design and reliable functionality.

Objectives:

User-friendly navigation and secure transactions.

Dynamic product recommendations.

Vision: Foundation for AI enhancements and global expansion.

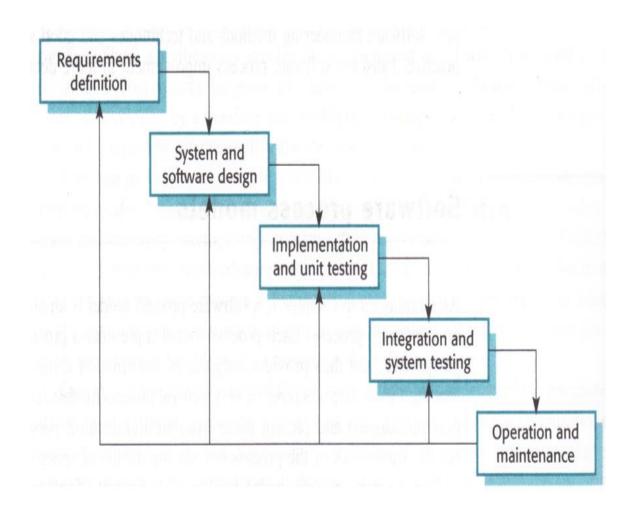
03 Objectives

- Conduct research on existing shopping websites to understand their functionality and background.
- Complete the coding aspects of the project, including HTML, CSS, JavaScript, MySQL, and more.
- Work for integration and debugging
- Use relevant testing tools to test the project.
- Create a poster for presentation.

04 Methodology

Development Model: Waterfall methodology for structured progression.

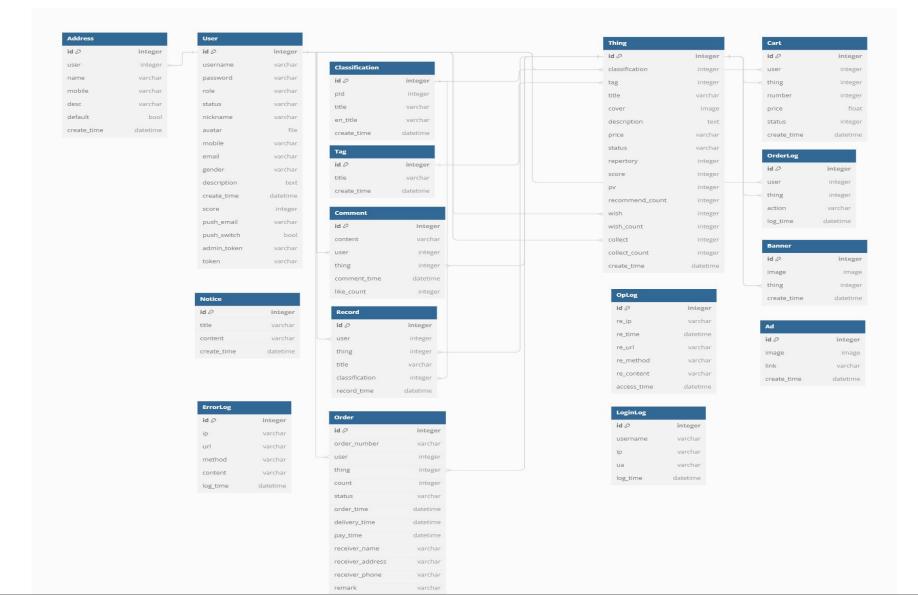
Key Phases: Requirements gathering, system design, implementation, and testing.



04 Methodology – System Architecture

- Frontend: HTML, CSS, JavaScript, Vue.js for dynamic user interfaces.
- Backend: Django with MySQL for robust data handling.
- System Interaction Diagram: Simplified view of component interaction.

05 Database UML

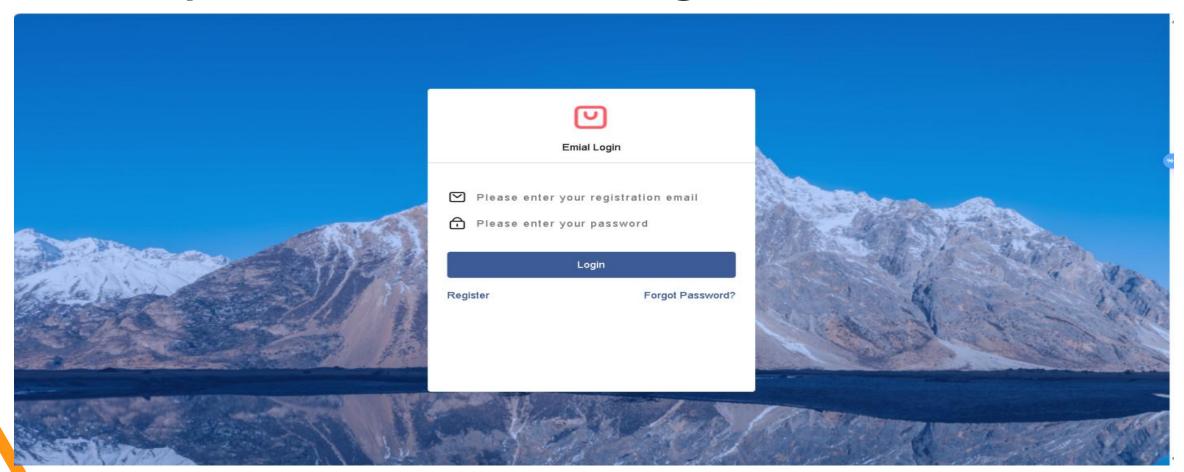


06 Implementation

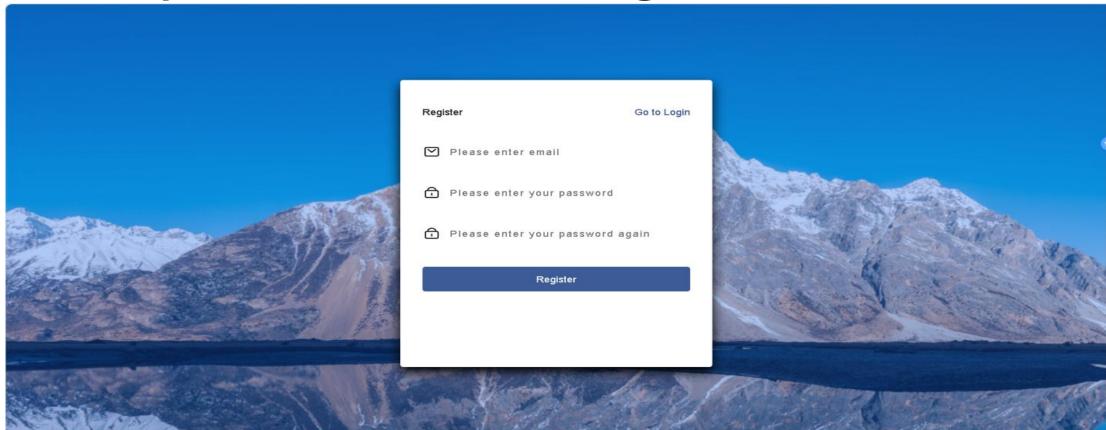
Environment setup: pychorm and node.js.

Key functionalities implemented: User registration, product search, order managementLanguage switch Real time delivery.

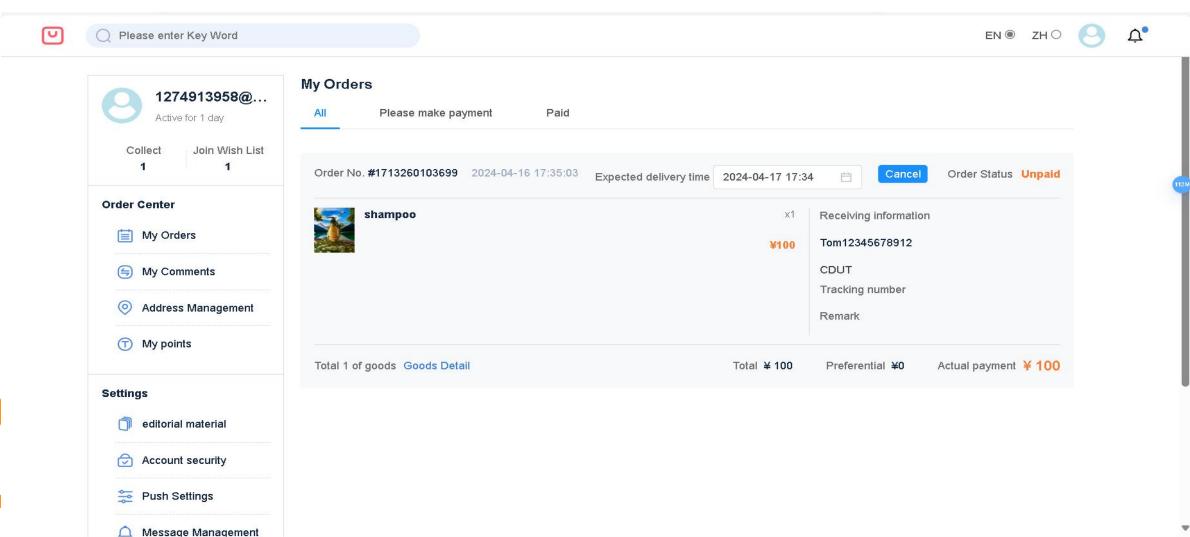
06 Implementation- Login



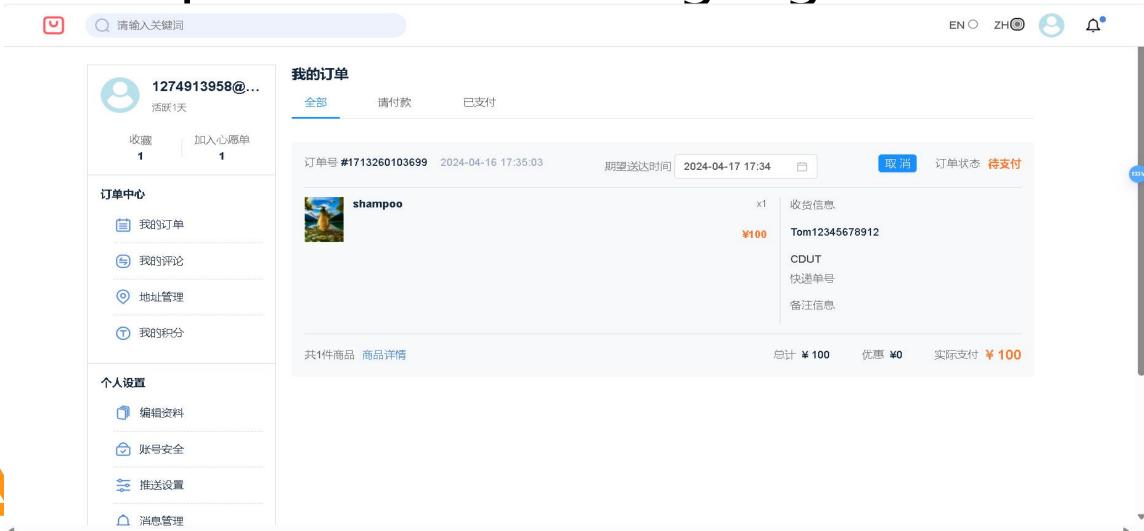
06 Implementation-Register



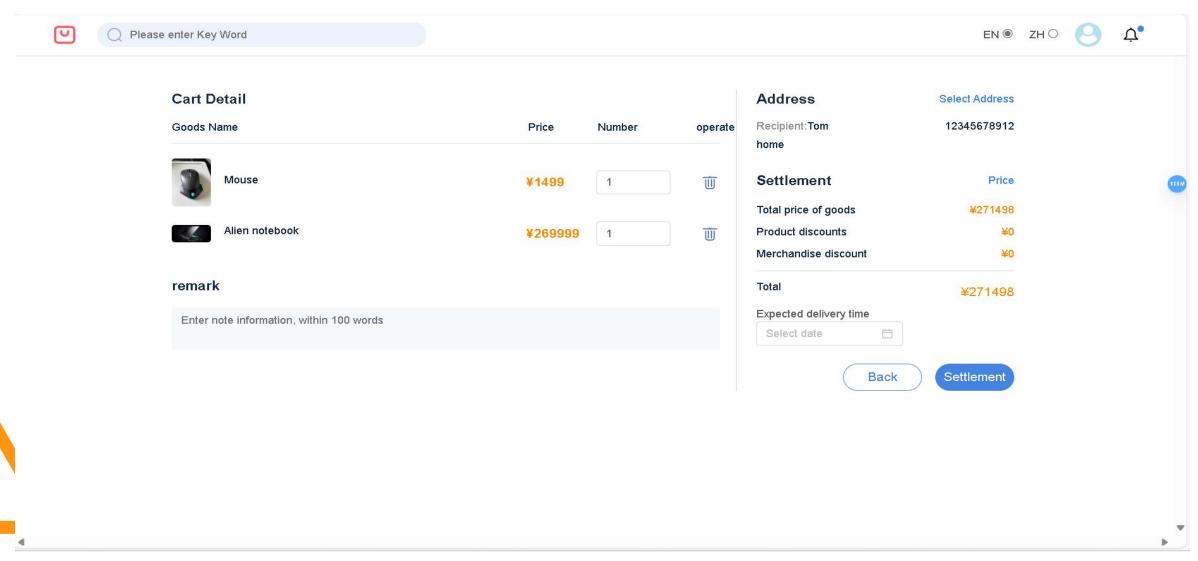
06 Implementation-Language switch



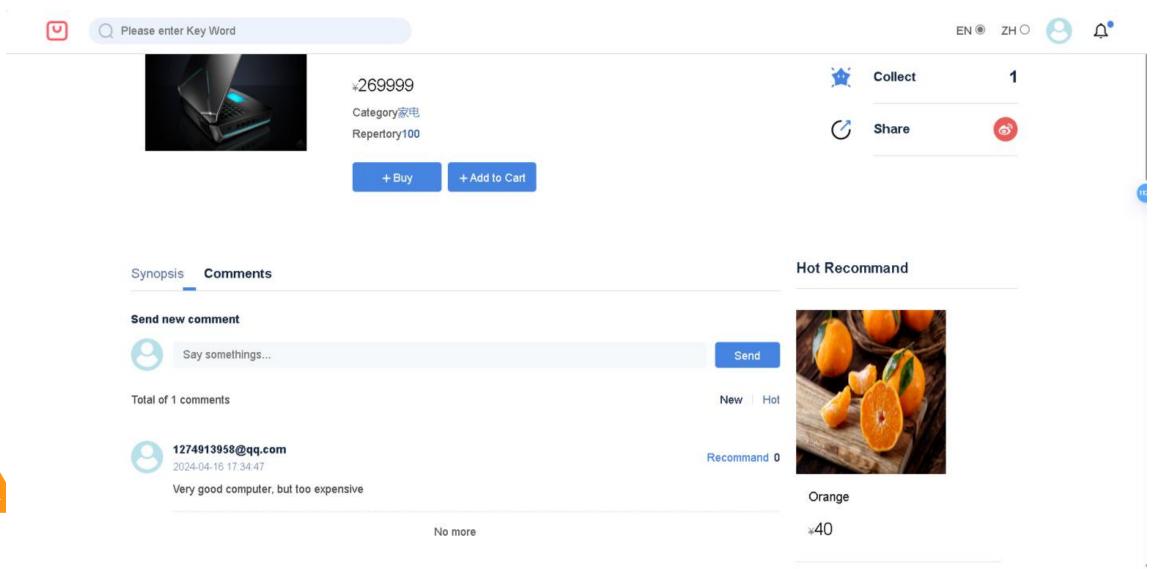
06 Implementation-Language switch



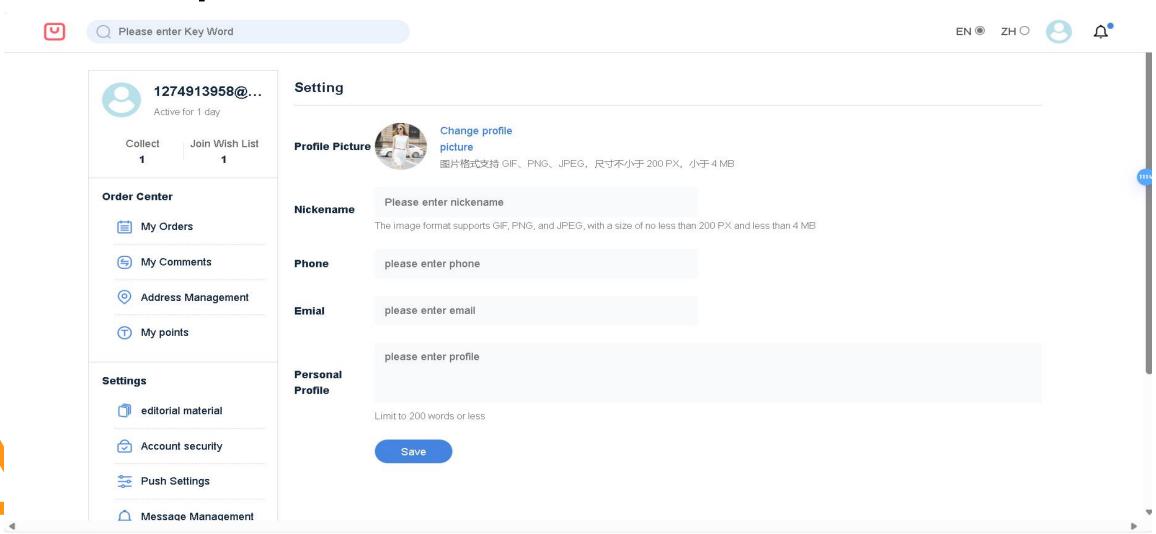
06 Implementation-Cart



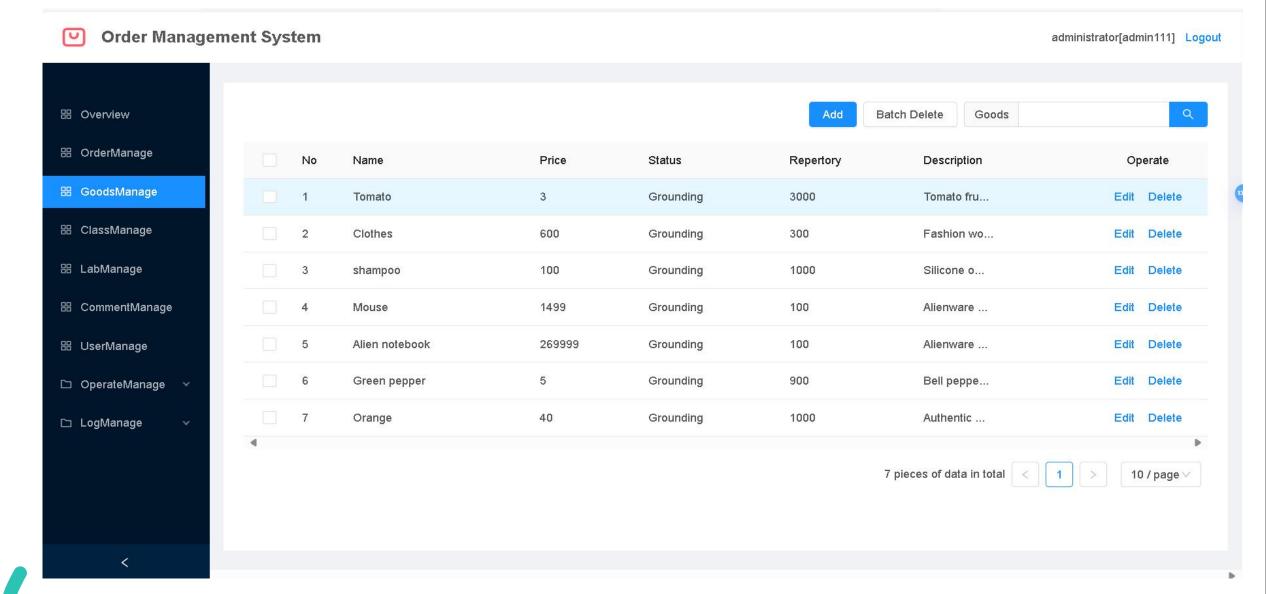
06 Implementation-goods



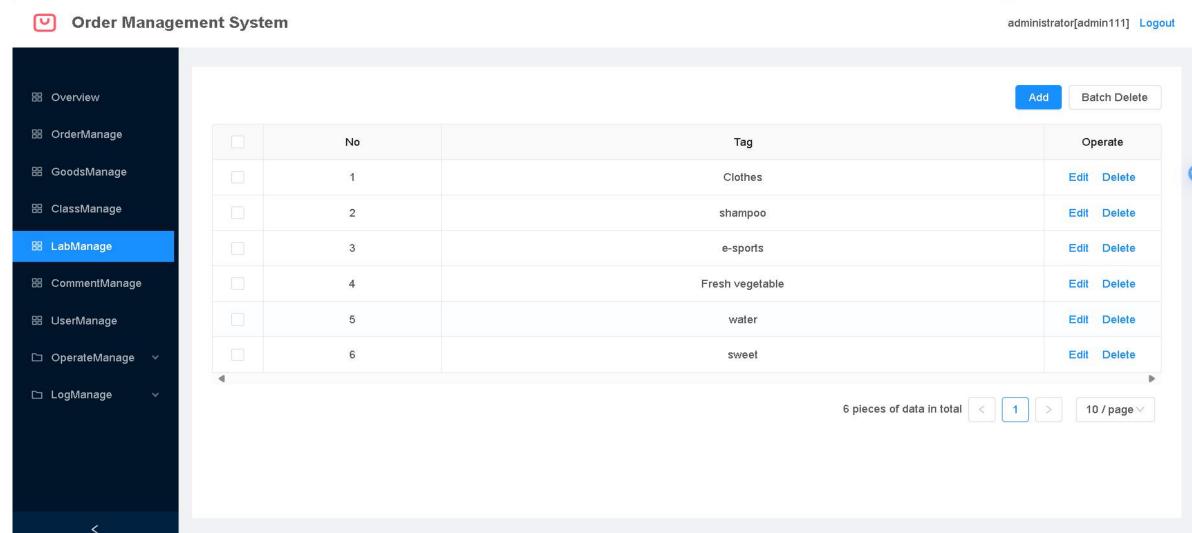
06 Implementation-Personal Center



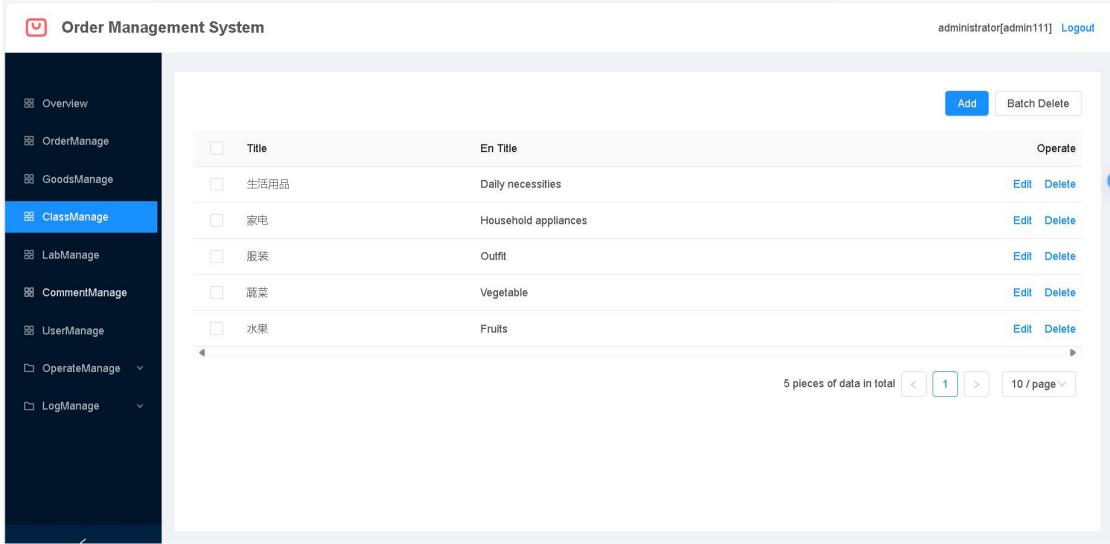
06 Implementation-Good management



06 Implementation – Goods Category



06 Implementation – Goods Category



07 Results

- Demonstration of key functionalities such as user registration, product search, shopping cart management. Highlighting the successful integration of these functions and their performance during testing phases.
- Comparative analysis showing the platform's features against major e-commerce websites

08 Conclusions

Achievements: Successful development and testing of the e-commerce platform.

Future enhancements: Integration of AI for personalized shopping experiences.

Expansion of product offerings and international market adaptation.