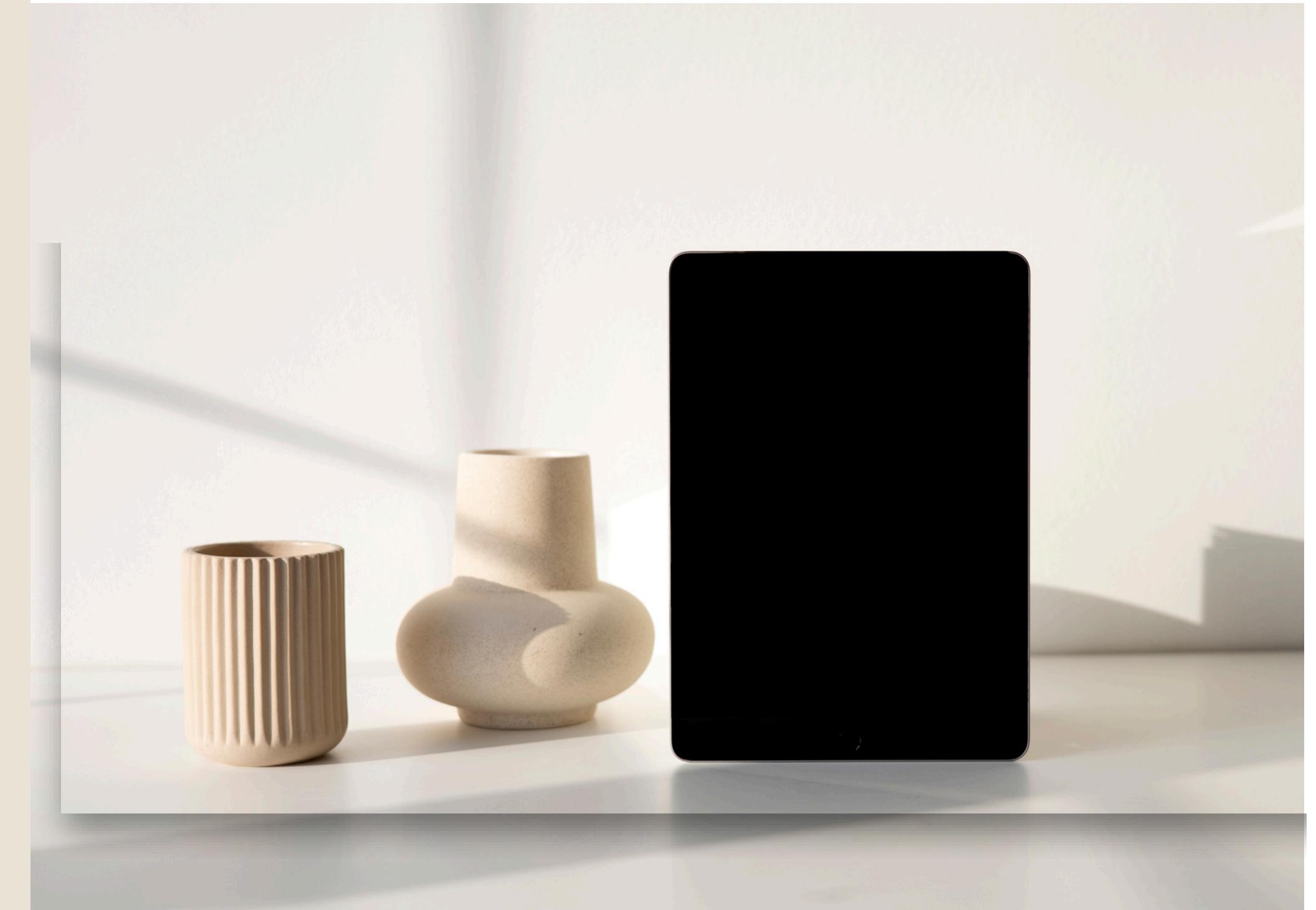


Advanced Web Programming

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LEROUX Florian
NGUYEN Lucas

2024



Introduction

PROJECT CONTEXT

- E-commerce Application: A complete web solution for managing an online store.
- Built with Modern Tools: Vue.js for the front-end, Node.js for the back-end, and CSS for responsive design.
- Displays product details with images, descriptions, and technical specifications.
- Manages a shopping cart with quantity, price, and discount functionality.
- Includes a "Contact Us" form for customer inquiries.
- Team Collaboration: Developed collaboratively using GitHub for version control and task management.



Summary



PROJECT OVERVIEW

- ANALYSIS OF REQUIREMENTS
- TASK DISTRIBUTION AND PLANNING

SYSTEM DESIGN & PROTOTYPE TESTING

FUTURE IMPROVEMENTS

CONCLUSION

Project Overview

ANALYSIS OF REQUIREMENTS

- Analysis of the Project Requirements
- Build an e-commerce platform with a focus on user-friendly navigation and responsive design.
- Product browsing and detailed views.
- Cart management with quantity adjustments and promo code support.
- Checkout process with multiple payment options.
- Ensure modularity for future scalability

-  **Responsive Design**
-  **Dynamic Routing**
-  **Cart Management**
-  **Promo Code Integration**
-  **Scalability Ready**

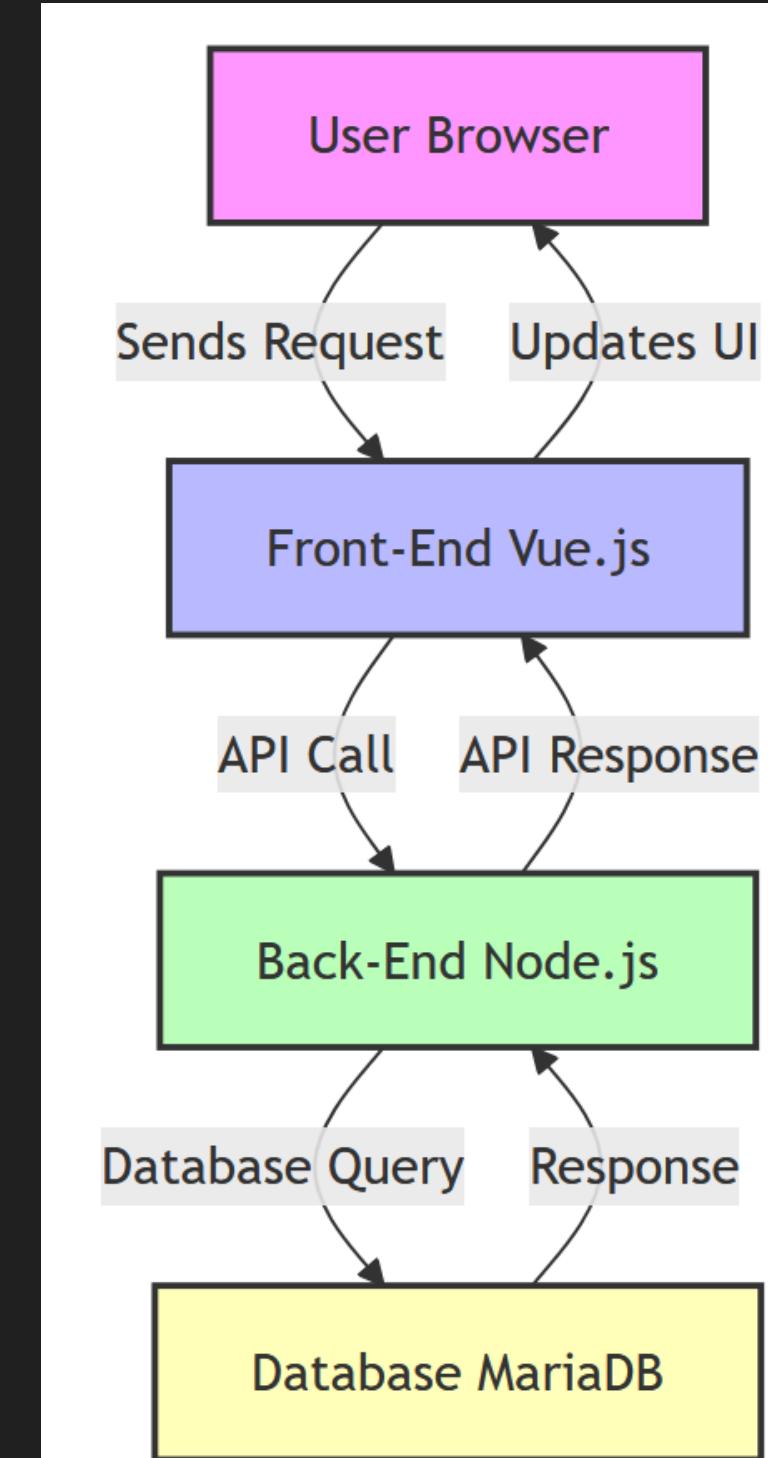
Project Overview

TASK DISTRIBUTION AND PLANNING

Task	Mael Lecarpentier	Florian Leroux	Lucas Nguyen
Project Planning	✓	✓	✓
Front-End Development	✓	✓	
Back-End Development		✓	✓
Database Setup		✓	✓
Cart Management		✓	
Promo Code Integration	✓		
UI/UX Design	✓		✓
Testing/Debugging		✓	✓
Documentation	✓		✓

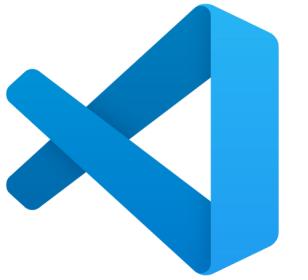
System Design

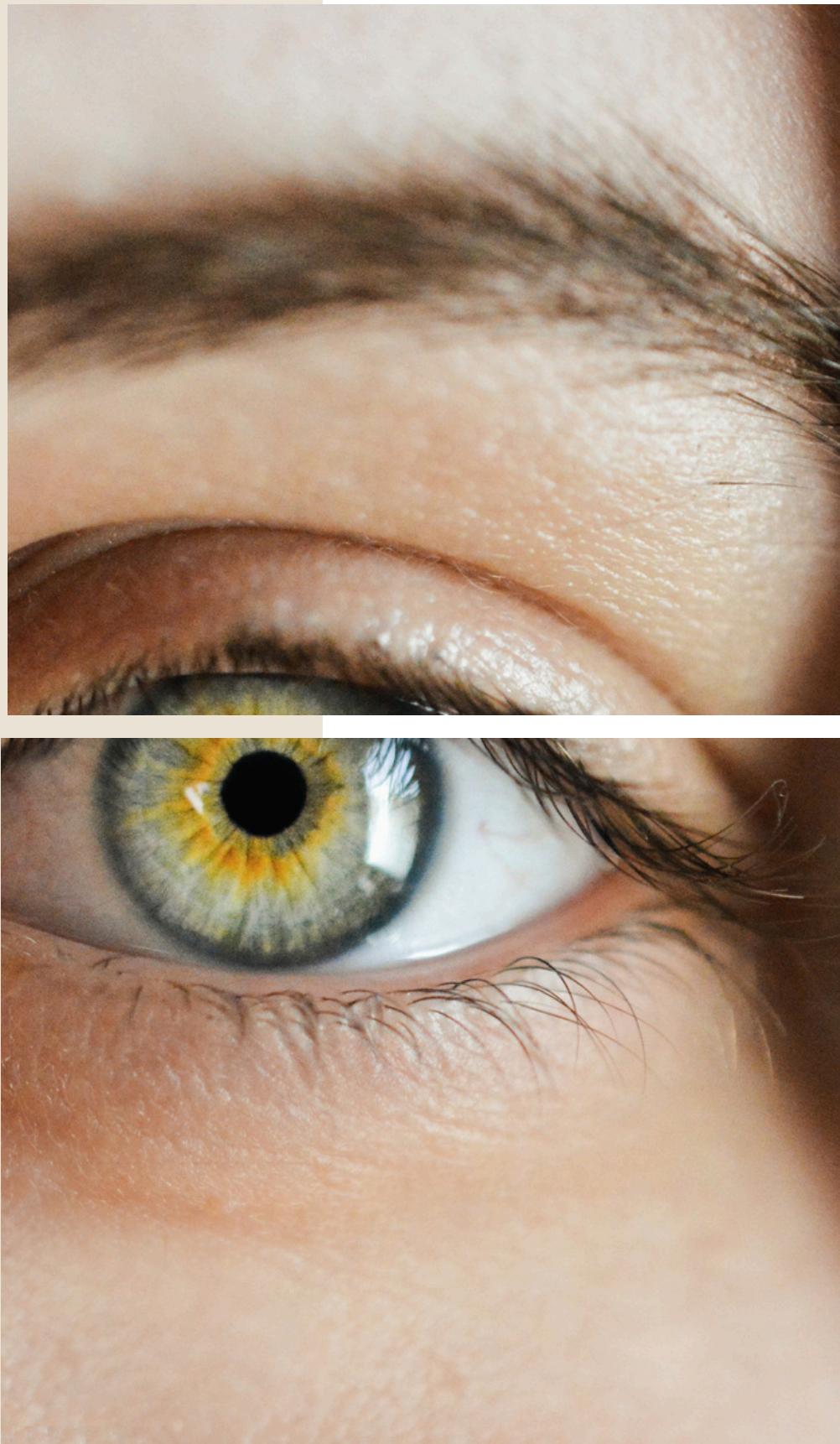
- Overview of the Architecture
- System Architecture Diagram
- Back-End Logic
- Front-End Design



Prototype Testing

**Demonstration of the final
version of our prototype
on visual studio code**





Future Improvements

- **Improve Design:**
 - Remove Vue.js banner from the homepage.
 - Refine the overall aesthetic for a more polished look and better responsiveness.
- **Enable Full Checkout Process:**
 - Integrate payment gateways to finalize transactions securely.
- **Expand Product Offerings:**
 - Add a wider variety of products to the catalog.
- **Navigation Enhancements:**
 - Improve navigation flow for seamless user experience across all pages.
- **Fix Existing Bugs:**
 - Resolve the shopping cart issue to accurately reflect selected items and quantities.

Thanks.

IF YOU HAVE ANY QUESTIONS, PLEASE DON'T HESITATE !



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