Content Management System for IoT Equipment Sales System

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Abstract

Stream IT Consulting Co., Ltd., DC-PS5 Division, plans to market IoT devices developed by the team. However, a key issue identified is the inconsistency between the information communicated to customers and the actual features and performance of the devices. Currently, there is no platform that effectively conveys complete and accurate information about the products and services. This study aims to develop a comprehensive system that supports efficient promotion, information dissemination, and sales of IoT devices.
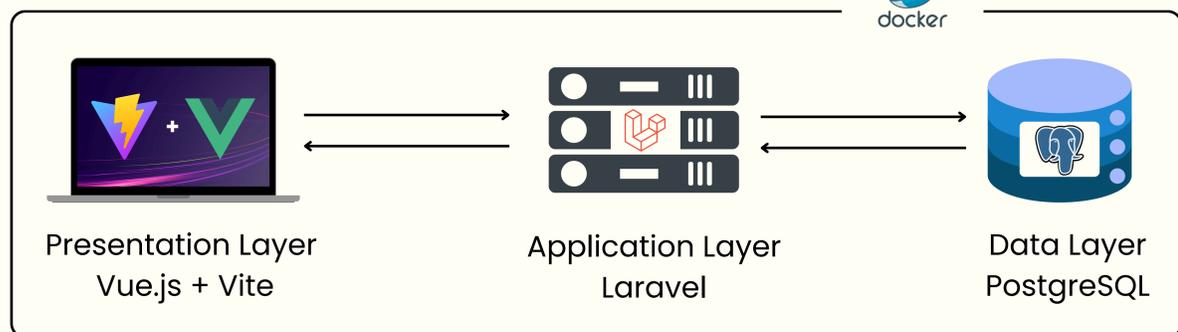
Interns were assigned to collaborate with the team's UX/UI Designers to design and develop a system that clearly communicates the value of IoT devices. One of the main responsibilities of the software engineers (the study's authors) is to develop features for tutorials and articles that help users learn and understand the IoT devices better. These features aim to reduce misunderstandings and misaligned customer expectations by providing accurate and clear information. The ultimate goal is to improve user experience and enhance the effectiveness of sales by bridging the gap between content and what is promised, ensuring transparency and clarity.

Introduction

In an IoT device sales online system, providing clear and up-to-date information is crucial for enhancing user experience and building customer confidence. Two key components that play a vital role in this are learning modules and articles, which serve different purposes but share the common goal of helping users understand and stay informed about IoT devices.

Architecture

3 tier architectures + Docker

Presentation Layer
Vue.js + Vite

Application Layer
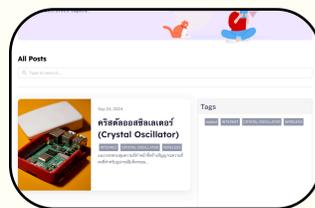Laravel

Data Layer
PostgreSQL

Methodology

Agile

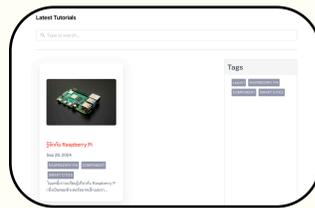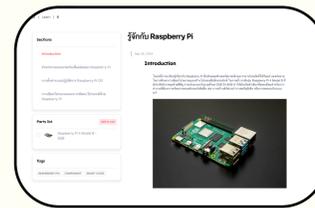Scrum & Planning

Results

Blog Page

Blog Detail Page

Blog Management Page(create)

Learn Page

Learn Detail Page

Learn Management Page (edit)

Conclusion

The learning module and articles play a crucial role in helping users understand and efficiently use IoT devices. The learning module provides detailed guidance, making it easier for both beginners and experienced users to set up and operate their devices. Meanwhile, the articles keep users updated on new technologies and system developments. Having both of these resources ensures that users receive comprehensive information, boosts their confidence in using IoT devices, and enhances the system's credibility.

References

https://medium.com/@64010912555/mvc-model-laravel-6fa777255578

https://nopnithi.medium.com/%E0%B8%AA%E0%B8%A3%E0%B8%B8%E0%B8%9B-postgresql-%E0%B8%88%E0%B8%B2%E0%B8%81%E0%B8%81%E0%B8%B2%E0%B8%A3%E0%B9%80%E0%B8%A3%E0%B8%B5%E0%B8%A2%E0%B8%99%E0%B8%94%E0%B9%89%E0%B8%A7%E0%B8%A2%E0%B8%95%E0%B8%B1%E0%B8%A7%E0%B9%80%E0%B8%AD%E0%B8%87-32f93e3202e6