



AgroKnow Web Application Enhancement and Optimization

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ABSTRACT

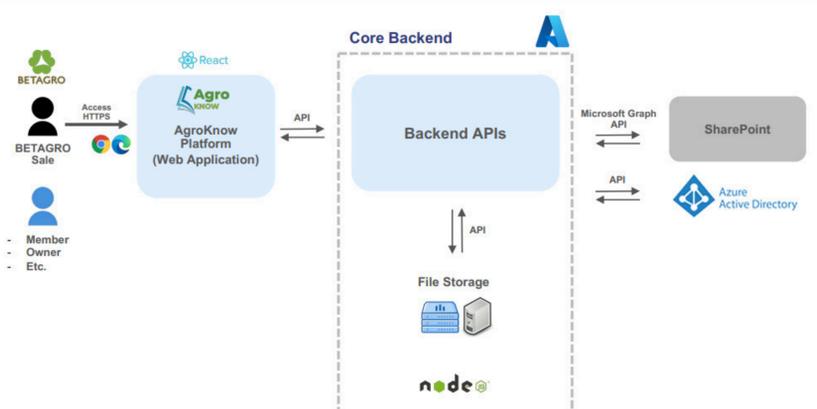
AgroKnow is part of the software development project within Betagro aimed at enhancing the efficiency of the web application and addressing the limitations and needs of users. The new features added to the AgroKnow web application include Language Switcher: Added the capability to switch between Thai and English, allowing sales staff to present products conveniently in both languages, One Page Generator: Provides convenience for sales staff in creating and customizing PDF pages for sharing product information with customers, Search Improvement: Enhanced the search system to be more accurate and faster, improving the overall usability of the web application, BIT Calculator: A feature for calculating estimated prices of agricultural equipment based on customer requirements, helping to increase confidence in purchasing decisions, Database Design: Redesigned the database structure to support more complex features and enhance the stability of web application operations.

INTRODUCTION

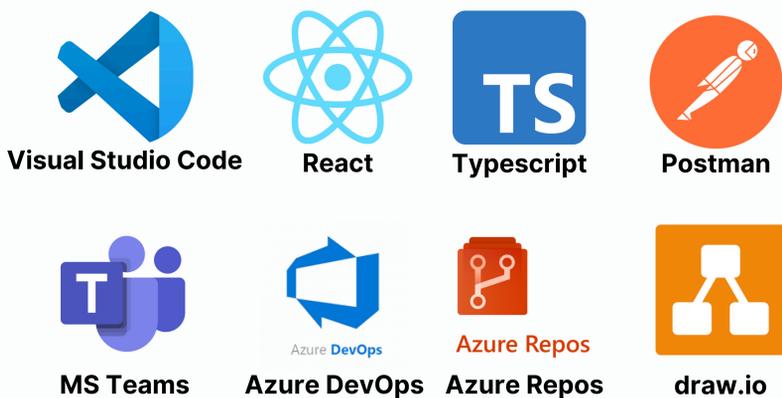
The AgroKnow web application serves as a product catalog system designed for the agricultural industry, developed by Betagro Public Company Limited. It categorizes products into four main sections: AHB (medicines and vaccines for animals), Feed, Farm Equipment, and Lab Service. The system is used primarily by sales staff and stakeholders to access and present product information efficiently.

Despite its functionality, the previous system faced several limitations, including inefficiencies in product search, lack of multilingual support, and challenges in generating customized product documents. To address these issues, Betagro initiated a software development project to enhance the AgroKnow web application, focusing on improving performance, user experience, and system stability.

SYSTEM DESIGN



TECHNOLOGY



CONCLUSION

The development of the AgroKnow web application is an internal software project of Betagro Public Company Limited. The responsible team has undertaken the development process over a total duration of four months. The system was designed to enhance the capabilities of the web application, incorporating key features such as Language Switcher, One Page Generator, BIT Calculator, and Search Improvement to facilitate the sales process and improve convenience for sales staff.

The web application is primarily developed using ReactJS with TypeScript and was built using Visual Studio Code. The results from development and testing have been successful, demonstrating that the system effectively meets its objectives in managing product information efficiently.

REFERENCE

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