Documentation Web Application

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ABSTRACT

In the product development of Daywork (Thailand) Co., Ltd., under Paiduaykanmai Co., Ltd., it was found that a large number of important documents are created and disseminated in various formats. These include user manuals, system change announcements, and other information related to Daywork's products. However, these documents are often scattered across multiple channels and are not stored in a centralized system. This has led to several problems, including difficulty in content creation, content redundancy, inconsistencies between different versions, communication delays, and difficulty in finding documents. These issues affect the operational efficiency of the team and may confuse external users and customers. For this reason, Daywork has assigned the task of developing a system for creating, managing, and publishing information, news, or user manuals to the interns. This project report will only cover the design and planning of the system and the development of the back-end or server-side. The technologies used will be Golang, Gin, GORM, and PostgreSQL. The development and the results of the Daywork Documentation server-side system were found to be functional according to the objectives and accurately completed within the assigned scope of work.

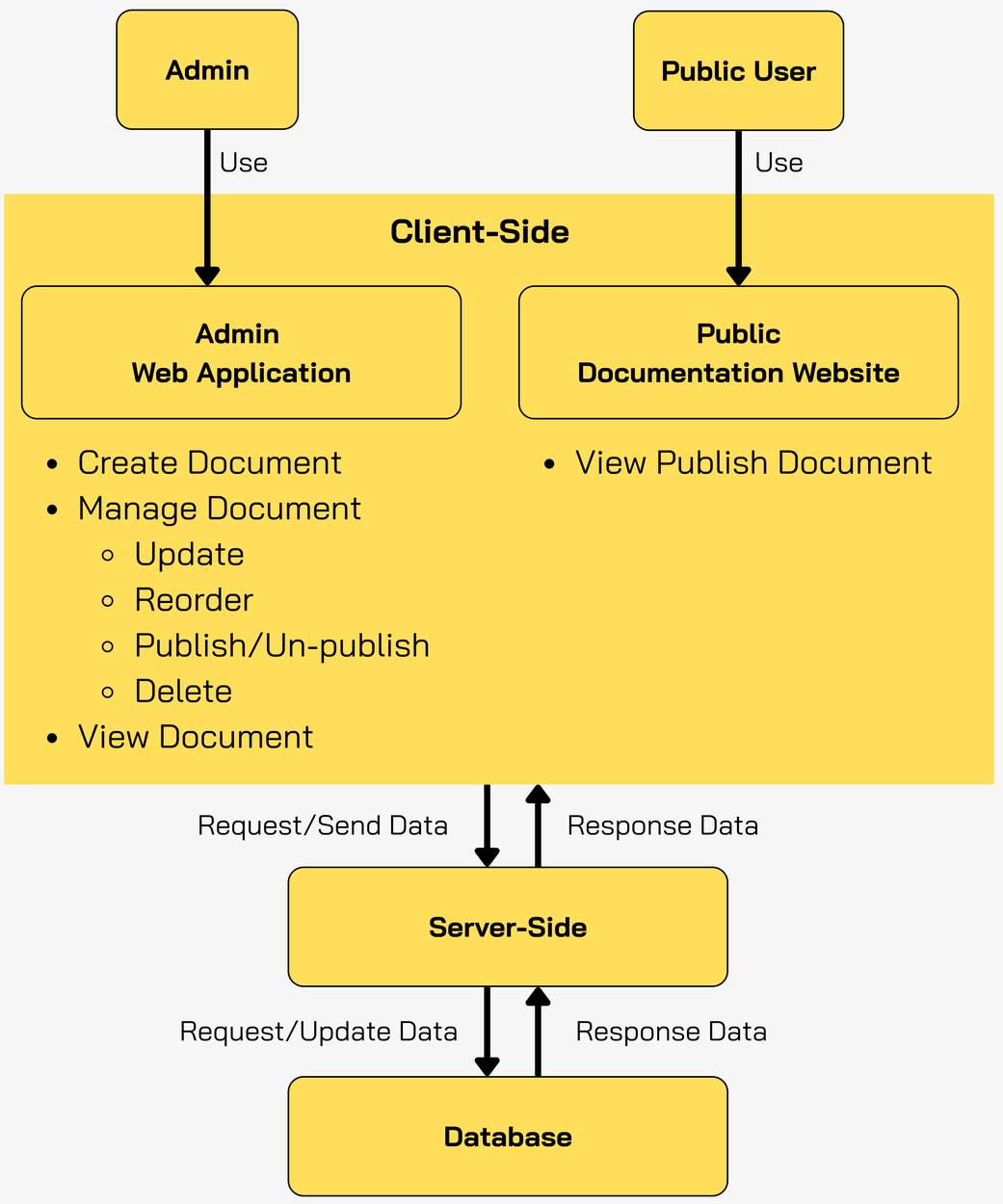
INTRODUCTION

- The Documentation Web application or Daywork Documentation is a project developed under Daywork (Thailand) Co., Ltd. to modernize the company's information management.
- It is designed to verify and centralize the storage of product manuals, system announcements, and other information related to Daywork's products.
- Through this system, administrators can efficiently create and categorize documents, manage version control to prevent redundancy, and publish real-time updates, ensuring that all shared information is consistent and easily accessible.

TECHNOLOGY

VS Code, Postman, Beekeeper, Git, Git Lab, Cloud Run, GCP, PostgreSQL, Go, Gin, GORM, Jira

METHODOLOGY



CONCLUSION

- The Documentation Web application has been used to help administrators manage documents more efficiently since its completion, by reducing content redundancy, improving information accessibility, and ensuring consistency for both employees and customers.
- A complete API documentation and system manuals have been delivered to ensure maintainability and support future scalability by the Daywork team.

DATABASE DESIGN

Table	Purpose
Admin	To identify who did the action
Collection	To seperate products
Group	To categorize document
Post	To kept content and its detail
Log	To keep track of the action that happend

KEY BENEFITS

Single Source of Truth	Centralizes data to eliminate confusion
Operational Efficiency	Enables real-time content management
Version Control & Integrity	Ensure accuracy and prevent redundancy
Scalable & Maintainable	Built for growth and for easy maintenance

REFERENCES

[1] Krystyna M., Pawel M., and Anna W. “Improving efficiency of document management systems in organizations.” *Information Systems Management*, 36(4):321–334, 2019

[2] Gin Web Framework. Gin documentation, 2024.

[3] GORM. The fantastic orm library for golang, 2024.

[4] PostgreSQL Global Development Group. Postgresql documentation, 2024.

[5] Kingson S. Api documentation: How to write it and examples, 2025.