



Interface and Reporting System for Financial Transactions

KBTG

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Abstract

Due to the continuous increase in the number of users and transaction volumes in the KPLUS application, the existing backend interface system required improvement to support higher transaction capacity and better service efficiency. This project involved the design and development of a new interface system called the "Integration Hub," which manages and transmits transaction data to the Core Banking Service. The system was developed using the Go programming language (Golang), Microsoft SQL Server, and supporting tools such as GitLab, Jenkins, and the Linux command-line interface (CLI). The developed system was successfully tested and demonstrated stable performance, efficient transaction handling, and support for back-office processes such as reconciliation and report generation.

Introduction

Problem for KPLUS Application

- Growing volume of financial transactions processed through the backend system
- Existing interface system insufficient in service convenience
- Increasing difficulty in maintaining system stability under higher transaction demand
- Solution: New system "Interface and Reporting System for Financial Transactions"

Interface System

- Design and development of a new interface system ("Integration Hub")
- Enhance transaction capacity
- Improve customer service convenience

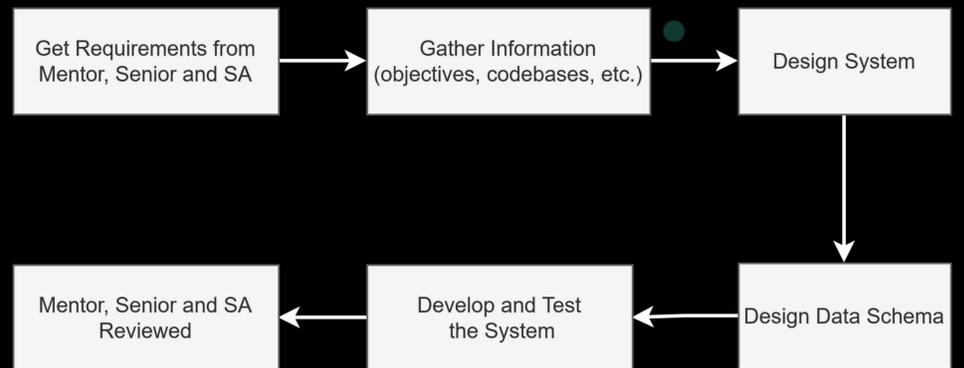
Reporting System

- Data processing module for transaction reconciliation
- Generation of financial transaction reports

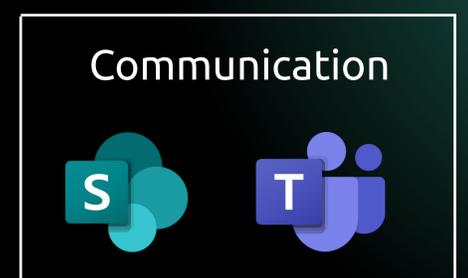
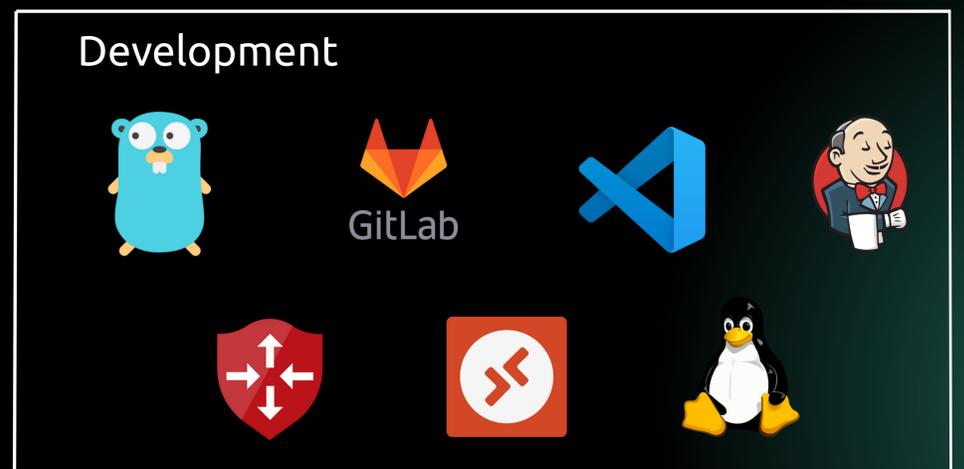
Conclusion

- The development of the Integration Hub interface system successfully addressed the increasing transaction demands of the KPLUS application.
- The system was fully implemented and tested, demonstrating stable performance and efficient handling of higher transaction volumes.
- It integrated smoothly with the existing Core Banking Service and improved overall service convenience for application users.
- The system supports transaction reconciliation and report generation operation, providing reliable data for further operational and decision-making processes.

Methodology



Technologies



References

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