Digitalization of Co-brand Credit Card Application

In Cooperation With 中国建设银行(亞洲) China Construction Bank (Asia)

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Overview

The **CCB(Asia) Octopus credit card** is a 2-in-1 credit card with Octopus capability. One of its key features is built-in Automatic Add Value Service for the octipus card. However, it has some limitations:

- **Requires the customer visit the branches.**
- **Requires to enable Automatic Add Value Service manually.**
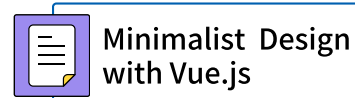- **Not support virtual credit card application.**

Objectives

To improve the Co-brand Card application process.

- **Automation:** the application process can be streamlined
- **Web application:** provides Co-brand Card related services
- **User-friendly:** the user interface is concise and easy to use.

Features

- Fast and Accurate Process
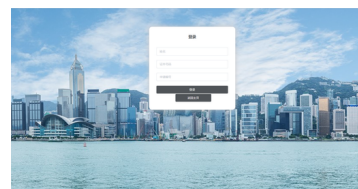- Minimalist Design with Vue.js
- One-time-password Validation
- Email Notification

The Web Application

Apply For the Card

Log in

Check Results

Activate the Card

Password Setting

Bind to Octopus App
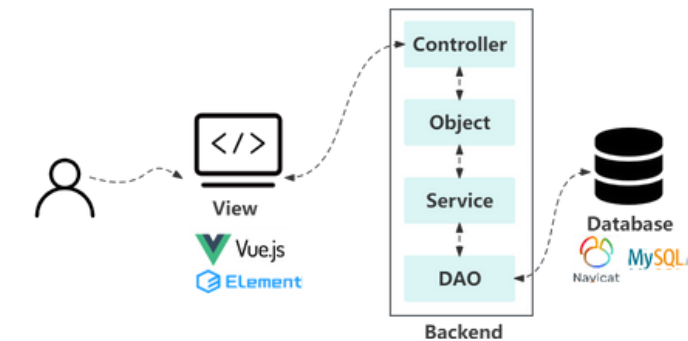
System Architecture

- Follow Model-View-Controller (MVC) pattern
- Frontend communicates with the backend through RESTful APIs.
- Spring Boot backend interacts with the MySQL database to store and retrieve data.

Conclusion

Through this project we successfully:

- Implemented a demo that provide services for Co-brand Octopus card using **Spring Boot and Vue.js**
- Demonstrated the basic **business flow** for Co-brand octopus card applications
- Showcased the **potential for improving the existing systems** in response to change requests.

There is still room for improvement:

- **Enhence user interface**
- **Implement timeout and logout function**
- **Minimize risk of data exposure:** server-side session management