Bank-Web-App

Notification-Service

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1.INTRODUCTION

Notification Microservice

The **Notification Microservice** is a centralized service responsible for handling **email delivery** across the application ecosystem. It is designed to work independently and can be integrated with various other microservices to send transactional, informational, or alert-based emails.

This microservice ensures:

- **Consistent email formatting**

- **Scalable and asynchronous communication**

- **Decoupled architecture** — services trigger email notifications without managing the sending logic

Common use cases include:

- Sending bank statements

- Account activity alerts

- Password reset or verification emails

The service exposes endpoints or message listeners (e.g., via Kafka) for integration with other services.

2. TECH STACK

Technology	Version
JDK	17
Maven	3.6.3
Spring Boot	3.5.3
Kafka	7.4.3
Zookeeper	7.4.3
Zipkin	2.23

Email: spring-boot-starter-mail

Email Template Engine: spring-boot-starter-thymeleaf