

TOPIC: “Financial Service Integration Using SOA ”

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AGENDA

1. INTRODUCTION
2. RELATED WORK
3. SYSTEM ARCHITECTURE
4. UML DIAGRAMS
5. CONCLUSION

INTRODUCTION

- Service-Oriented Architecture (SOA) provides a structured approach to integrating various financial services within an organization. SOA emphasizes creating reusable services that can be accessed and composed to fulfill specific business processes or functionalities across different systems and platforms. In the context of financial services, SOA facilitates the integration of diverse services such as banking transactions, payment processing, investment management, and insurance services into cohesive applications or systems.

RELATED WORK

Implementation:

Services:

Customer Account Service: Manages customer details and account activities.

Loan Processing Service: Handles loan applications, approvals, and disbursements.

Fraud Detection Service: Monitors transactions for potential fraudulent activity.

Communication:

Services communicate over a network using standard protocols (e.g., HTTP, SOAP, REST).

Service Registry:

A registry to manage and discover available services.

SYSTEM ARCHITECTURE

Architecture Diagram:

[Client Applications]

- Web Portal
- Mobile App

[Service Layer]

- Customer Account Service
- Loan Processing Service
- Fraud Detection Service

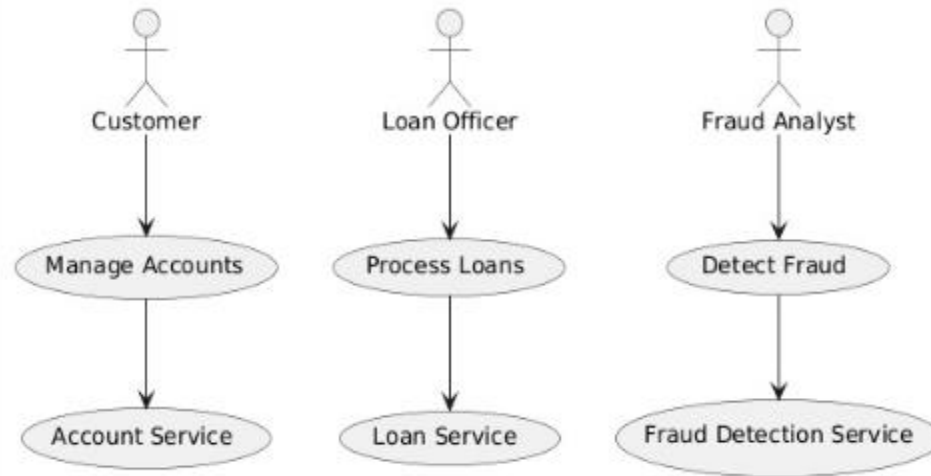
[Communication]

- HTTP/REST/SOAP

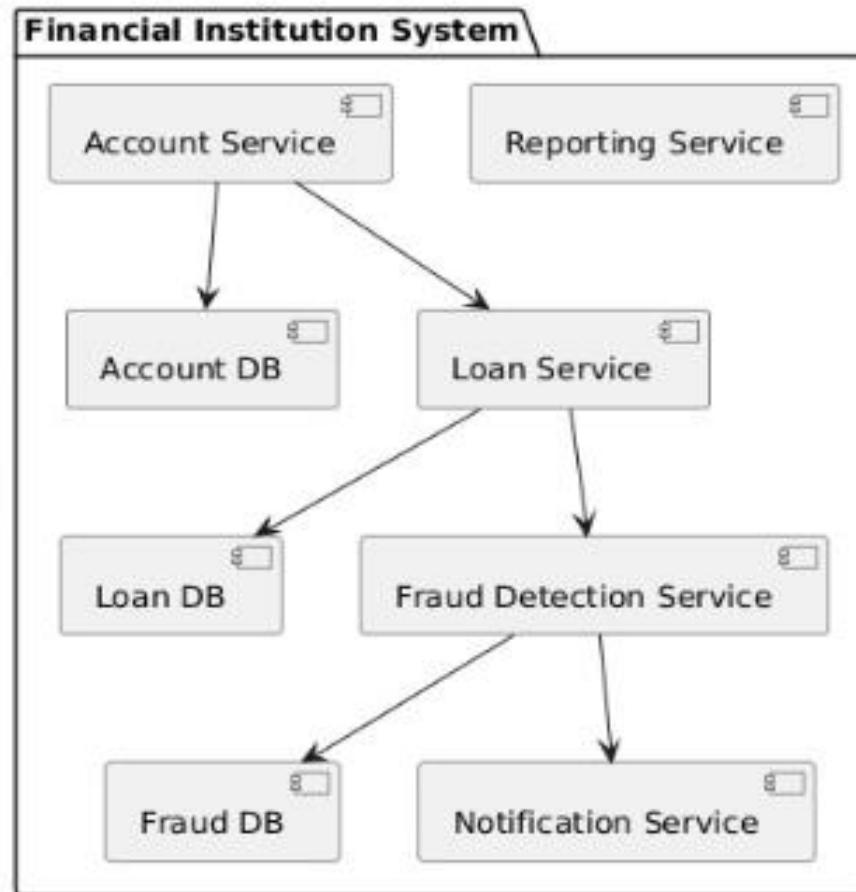
[Service Registry]

- Service Discovery

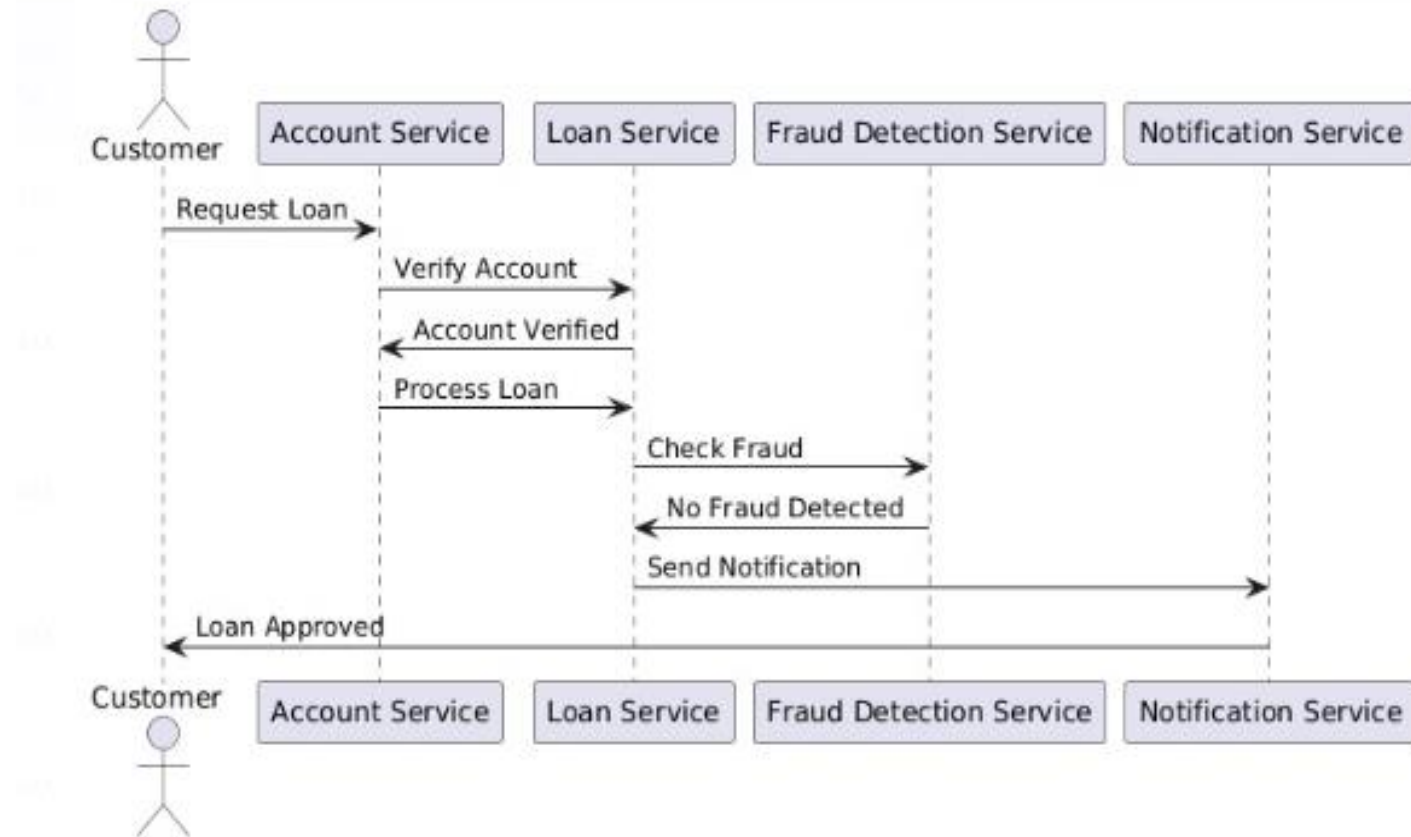
USE CASE DIAGRAM



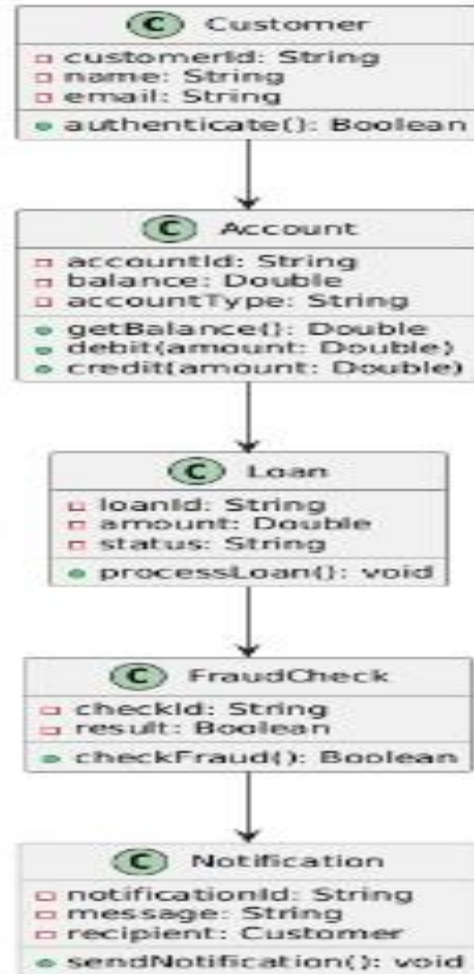
COMPONENT DIAGRAM



SEQUENCES DIAGRAM



CLASS DIAGRAM



CONCLUSION

- **conclusion, integrating financial services using Service-Oriented Architecture (SOA) offers a strategic approach to modernizing and streamlining operations within the financial industry. By encapsulating distinct functionalities into reusable, interoperable services, SOA addresses the complexities of legacy system integration, enhances flexibility, and promotes scalability. This architecture not only facilitates quicker deployment of new services and updates but also ensures secure, efficient, and seamless communication across various financial platforms. As financial institutions continue to evolve in a rapidly changing technological landscape, SOA stands out as a key enabler for achieving operational efficiency, agility, and sustained innovation.**

