



 Banking Solutions

Online Banking

John Doe, Lead Developer

PRESENTED BY

John Doe

Review-1

Requirements

This section outlines the essential requirements for the Online Banking System project, focusing on key features such as user authentication, account management, and transaction handling.

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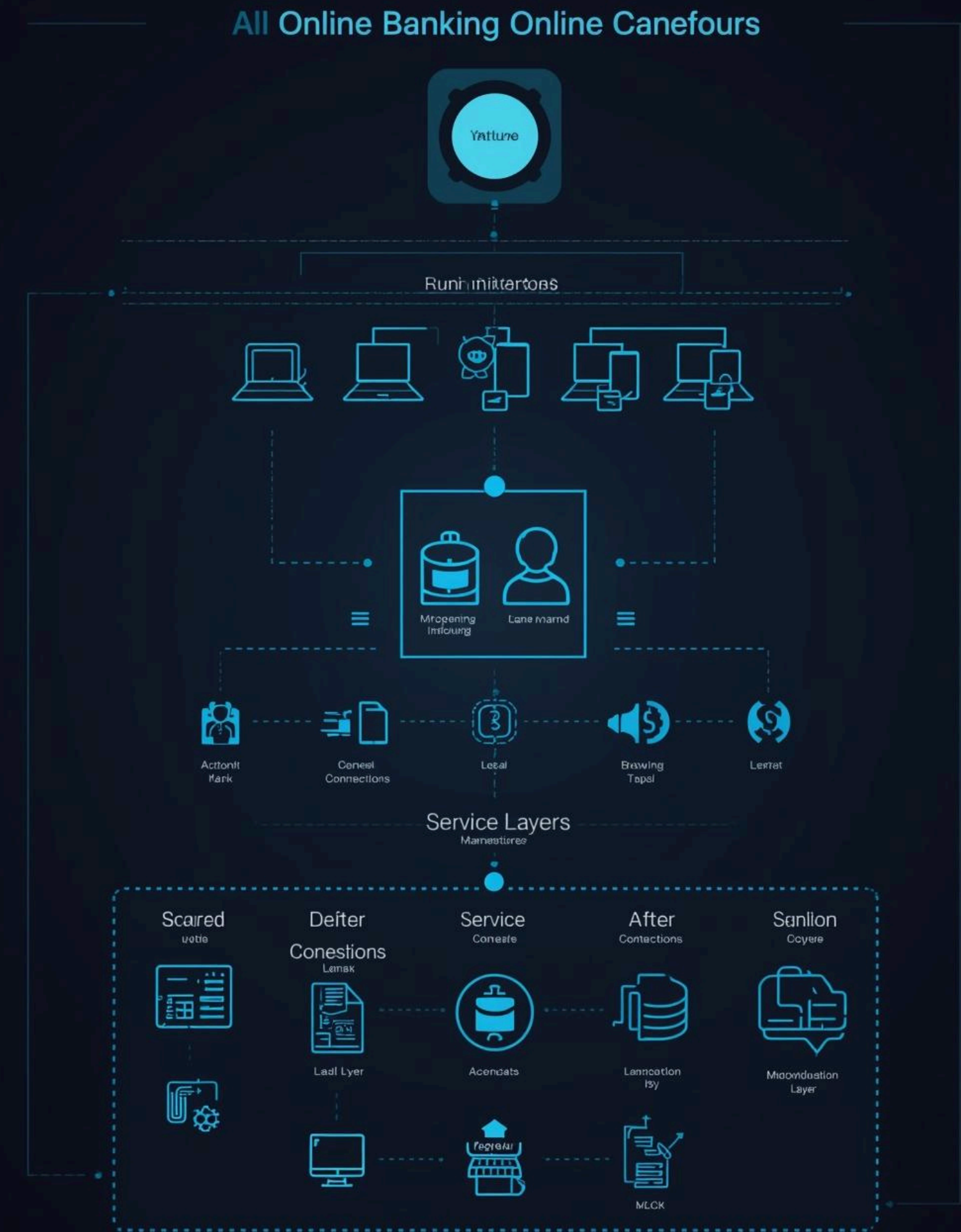
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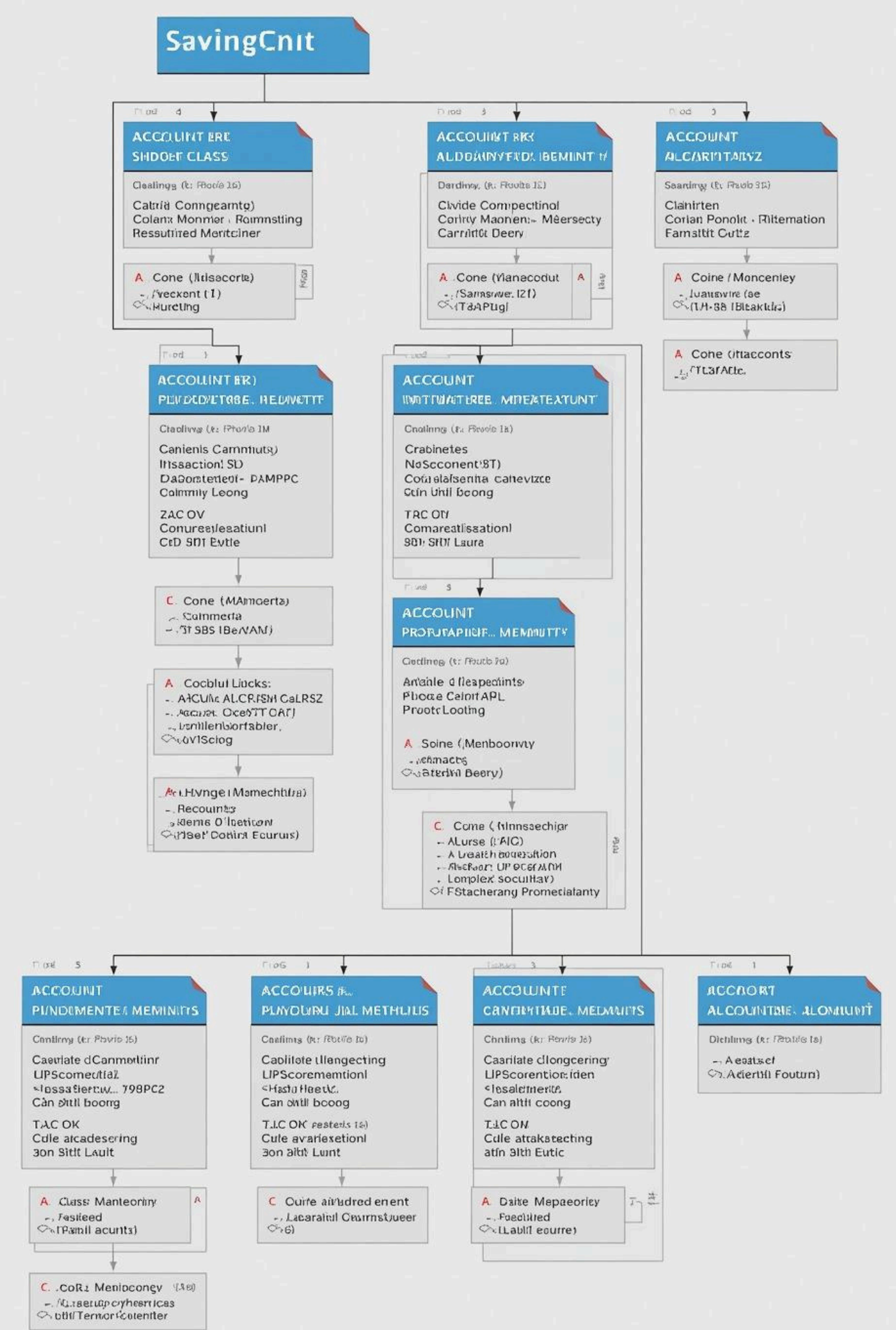
Project Overview

This section outlines the main objectives and scope of the Online Banking System project, highlighting its functions, intended audience, and the technologies utilized for development.



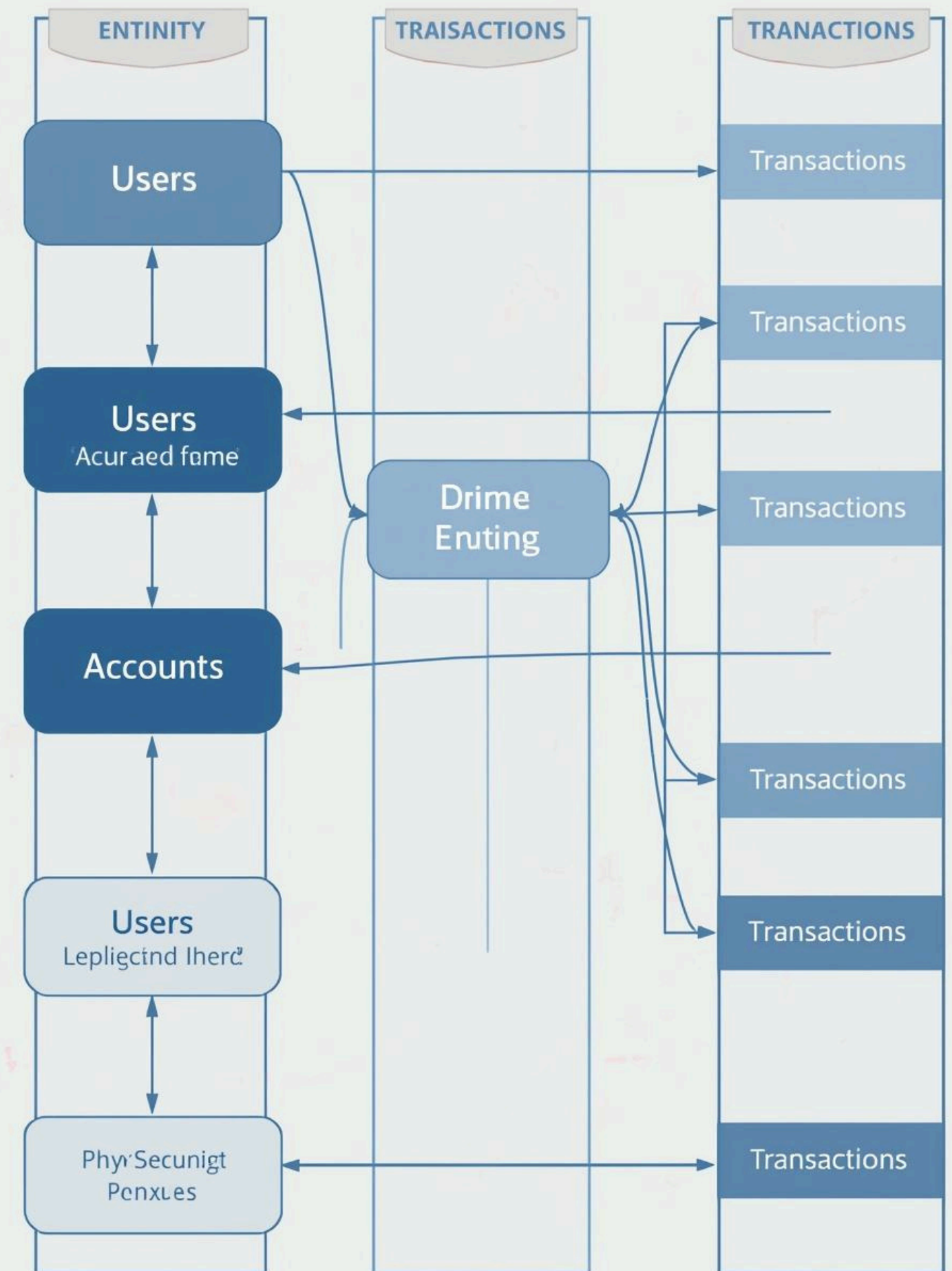
OOP Design Overview

This section outlines the **class hierarchy** of the Online Banking System, focusing on the Account, Savings, and Checking classes to illustrate object-oriented principles.



Database Schema

This section outlines the **Entity-Relationship Diagram (ERD)** for the Online Banking System, detailing the structure and relationships of key entities: USERS, ACCOUNTS, and TRANSACTIONS.

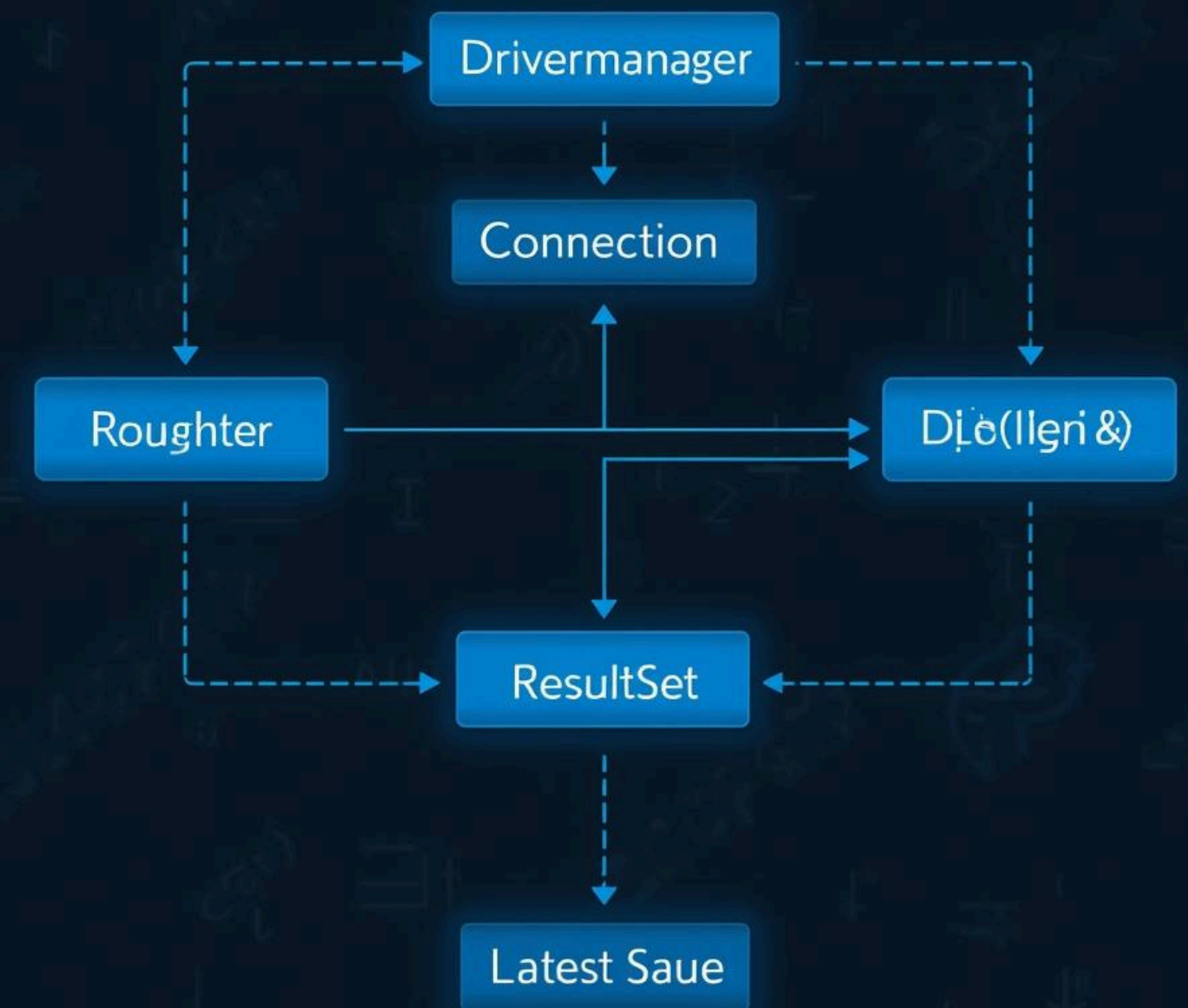


JDBC Connectivity

This section covers the essential steps for establishing a connection to the database using JDBC, including schema initialization and handling connections efficiently.

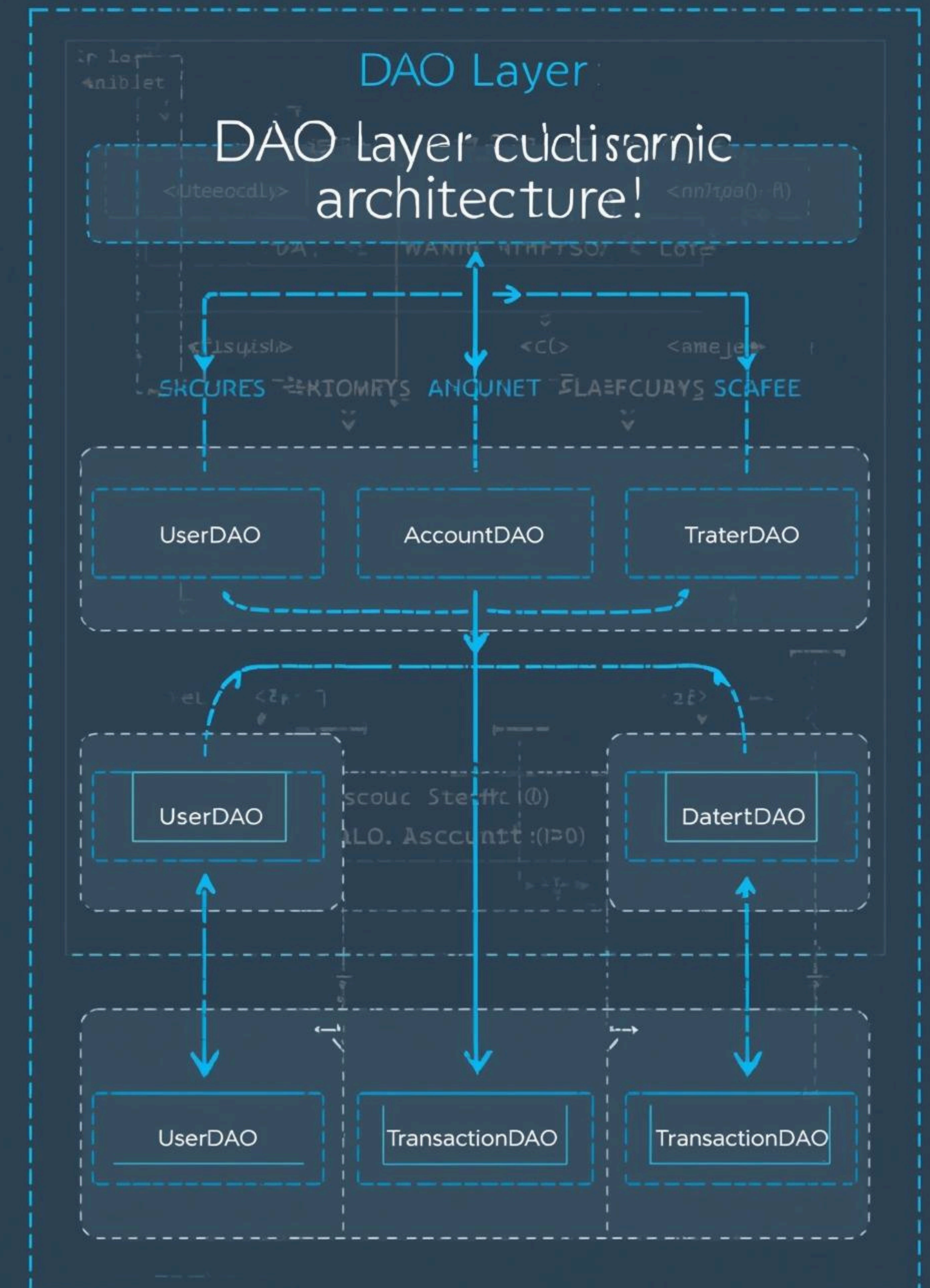
JDBC Connection Lifecycle

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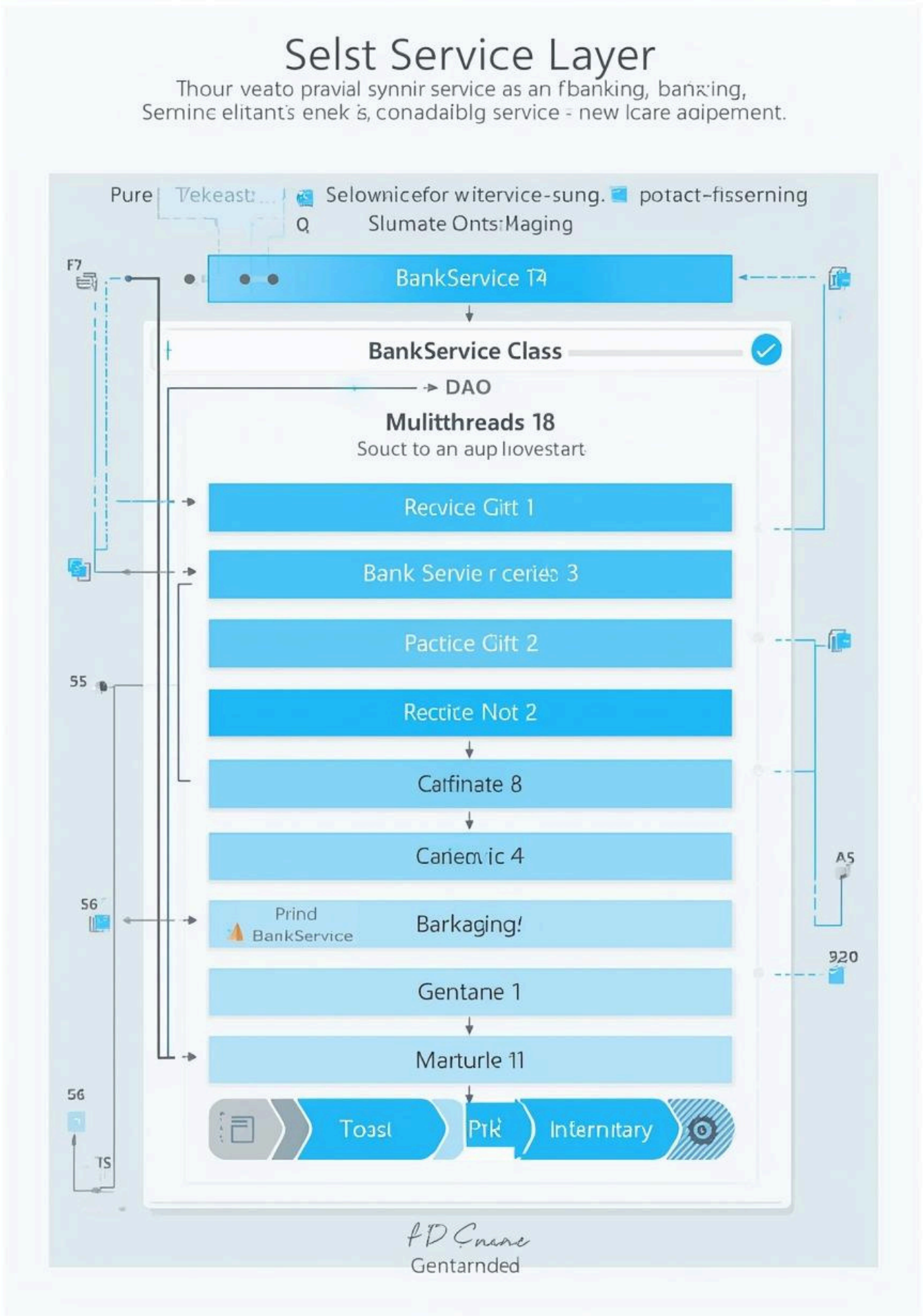
DAO Layer

The DAO (Data Access Object) layer is responsible for abstracting and encapsulating all access to the data source, ensuring a clear separation of concerns and enhancing maintainability.



Service Layer Overview

The Service Layer encapsulates the business logic of the Online Banking System, handling operations like account transfers and ensuring data integrity through methods like transferAtomic.



Multithreading Overview

This section explores the concepts of **multithreading** in the Online Banking System, focusing on the use of SwingWorker and locks to enhance performance and responsiveness.

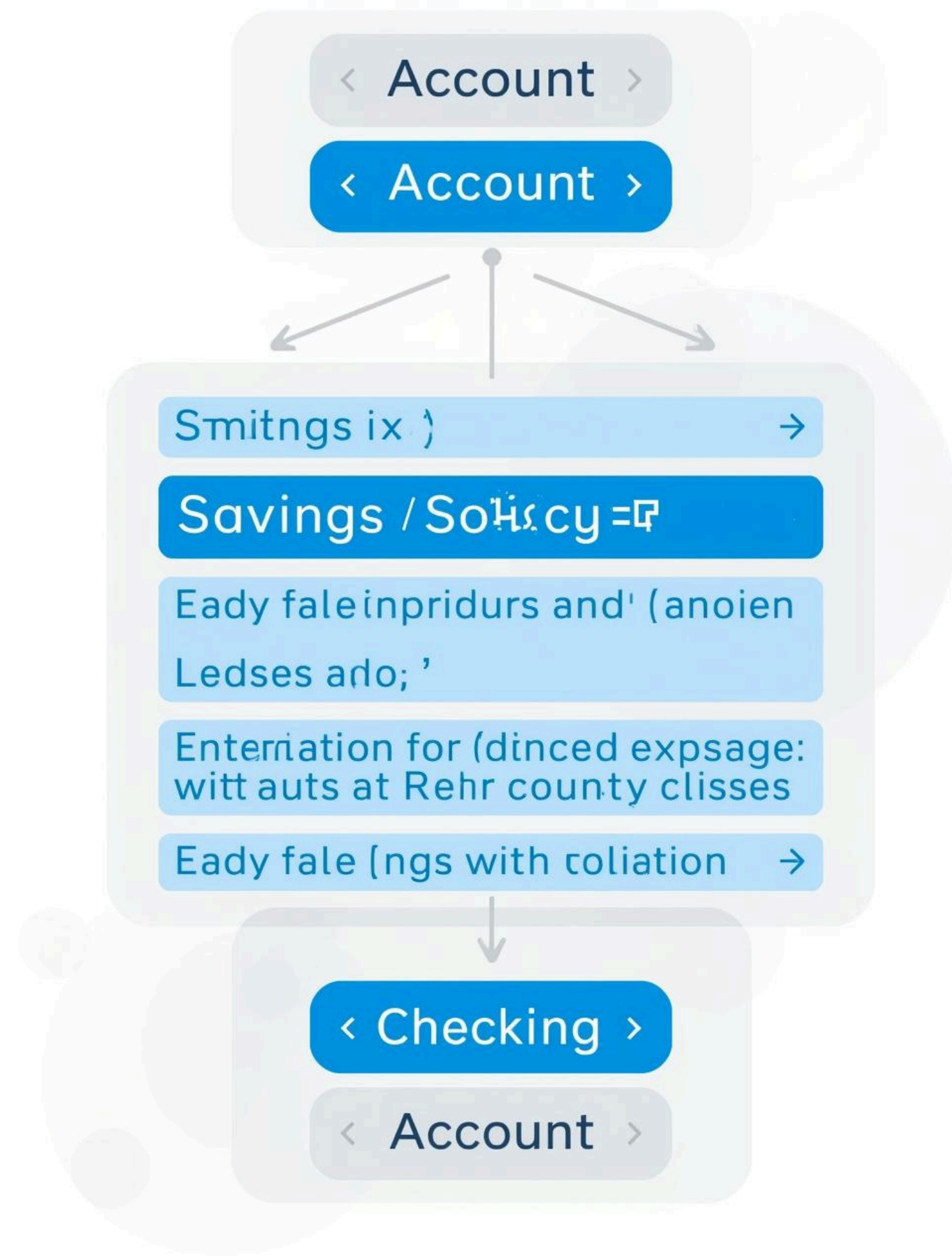
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Account Class Design

This section details the **Account class** and its subclasses, which encapsulate the essential properties and behaviors of various account types in our banking system.

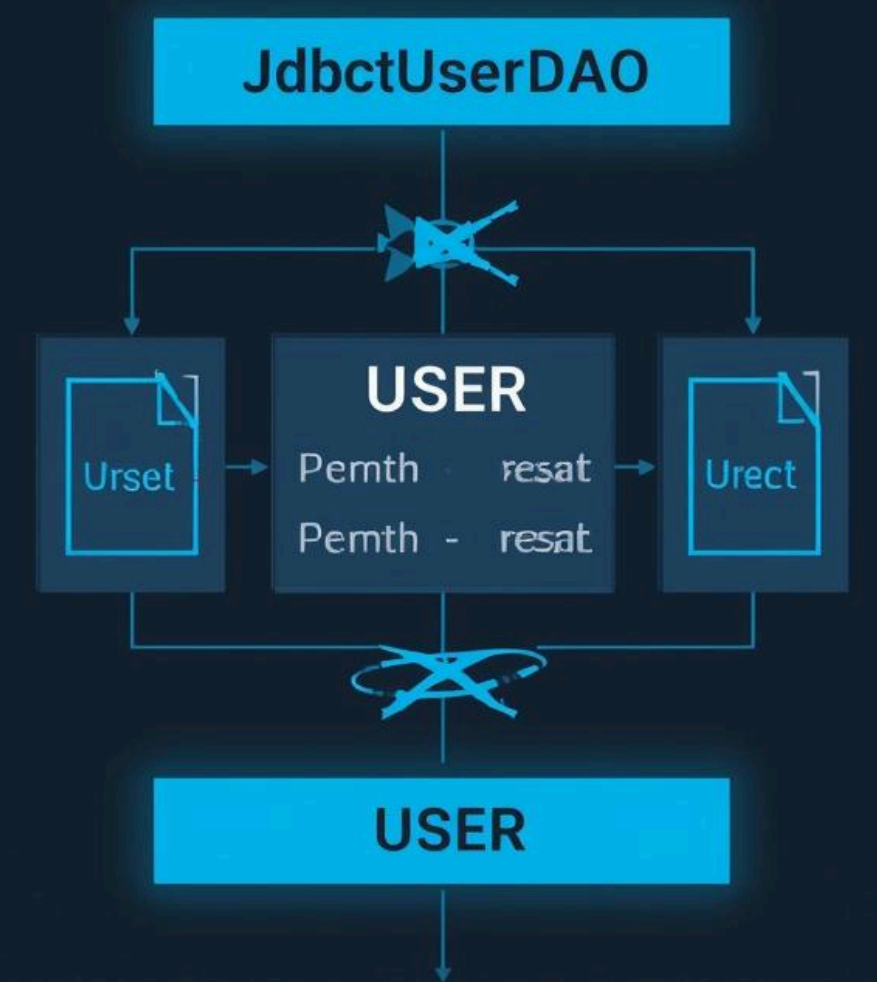


DAO Interfaces

This section outlines the **JdbcUserDAO** implementation, showcasing its responsibilities and methods for managing user data interactions with the database.

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Transfer Atomicity

The **transferAtomic** method ensures safe and consistent fund transfers between accounts, implementing commit and rollback mechanisms to maintain database integrity during operations.

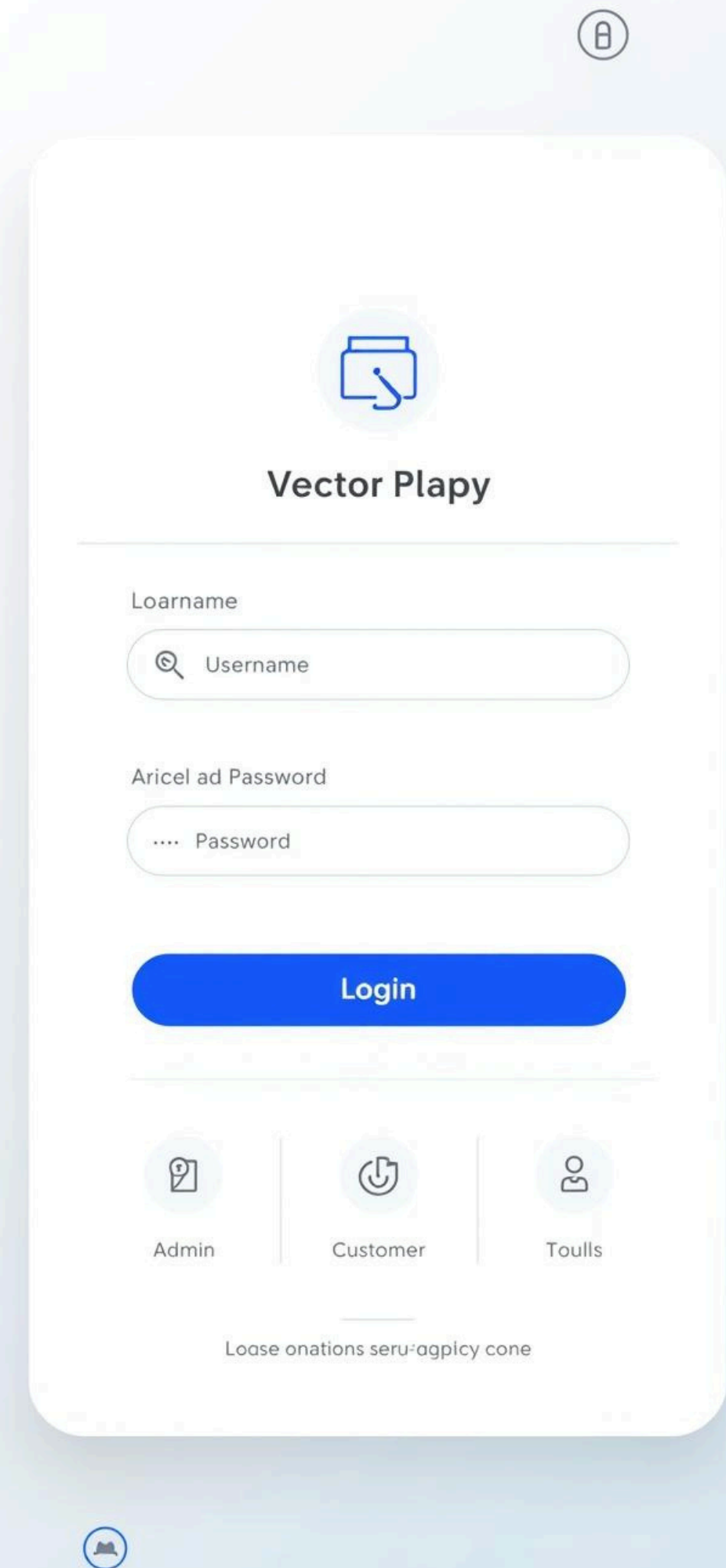
Bank transaction

Agge transaction



GUI Overview

This section presents the user interface mockup for the online banking system, showcasing the **login**, **admin**, and **customer flows** to enhance user experience and navigation.



Review-1 Checklist

This checklist outlines the essential items required for the successful completion of Review-1, ensuring all components meet the project's standards and expectations.

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How to Run

This section provides a concise guide on running the Online Banking System and includes details for accessing the project's GitHub repository for code and documentation.



Contact Us



CUSTOMER SUPPORT

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SALES INQUIRY

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