

JAVA PROJECT

BANKING APPLICATION USING JDBC

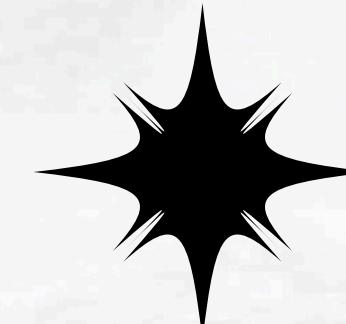
PROJECT OVERVIEW



To build a secure and efficient banking system using Java and MySQL Database.



Technologies and Tools



- ◆ **JAVA**
Core language for application logic.
- ◆ **MYSQL**
Backend for storing account and transaction data.
- ◆ **JDBC**
For MySQL database connectivity.
- ◆ **GRAPHICAL USER INTERFACE**
User Friendly Interface.

APPLICATION WORKFLOW

ACCOUNT MANAGEMENT

- Create new accounts.
- Authenticate users with account numbers and passwords.
- Display dashboard after login.

BALANCE OPERATIONS

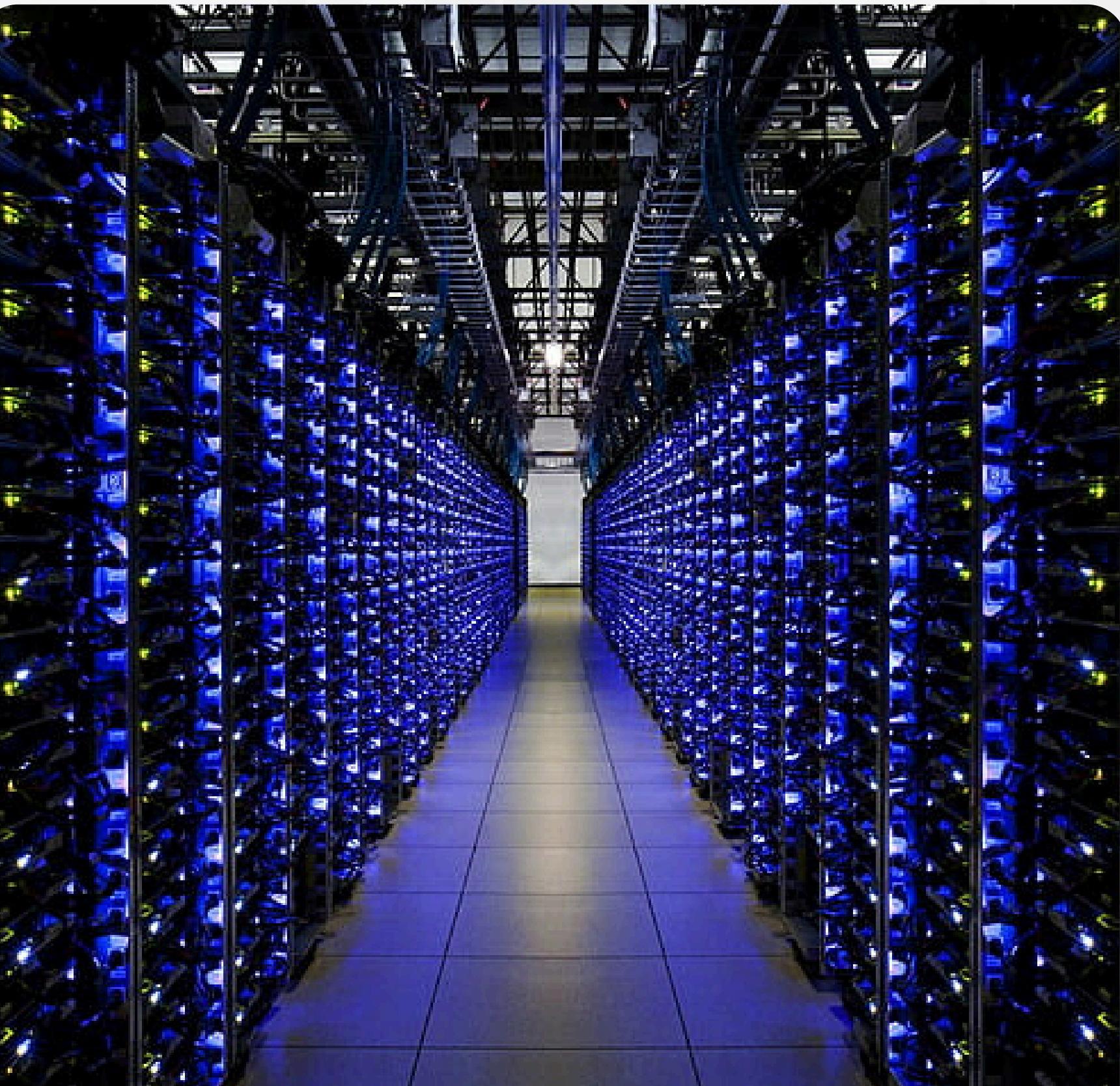
- View balance.
- Add balance.

MONEY TRANSFERS

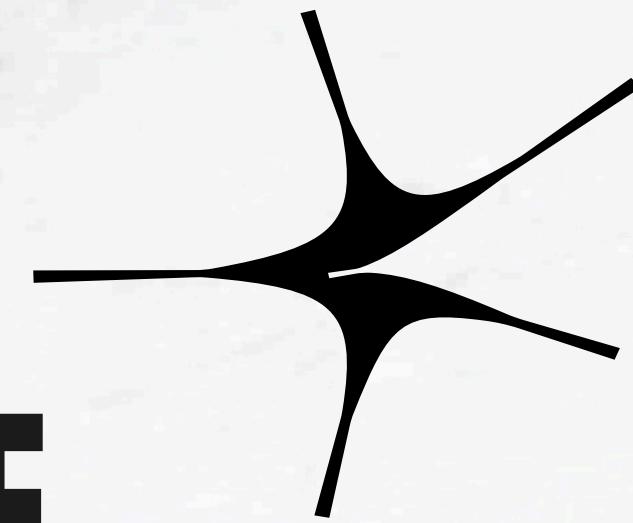
Transfer money between accounts

TRANSACTION HISTORY

View all past transactions for the user



DATABASE STRUCTURE



ACCOUNTS TABLE

- account_number (Primary Key)
- name
- password
- balance

TRANSACTIONS TABLE

- transaction_id (Primary Key)
- account_from
- account_to
- amount
- transaction_date

APPLICATION UI

LOGIN SCREEN

Simple login screen requiring account number and password.



DASHBOARD

Overview of account details with navigation to different features like balance inquiry, money transfer, etc.

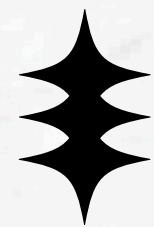


TRANSACTION HISTORY

List of transactions with dates and amounts.



FUTURE STEPS



DATABASE CONNECTIVITY

Setup and integrate with MySQL

CODING CORE LOGIC

Implement account management, balance updates, transfers

UI DESIGN

Enhance user interface and user experience

TESTING

Unit testing of features



CONCLUSION & Q&A

In this project, we aim to develop a user-friendly and secure banking application using Java and JDBC.

**WE WELCOME ANY QUESTIONS OR FEEDBACK
FROM THE AUDIENCE.**

197

Yash Garg

Lead Developer, JDBC Integration, Database Management

252

Dhruv Gupta

User Interface Design, Application Workflow, Testing

259

Apurva Bansal

Database Schema Design, Transaction Management

258

Ritesh Kumar Sinha

Account Management Module, Security Implementation

250

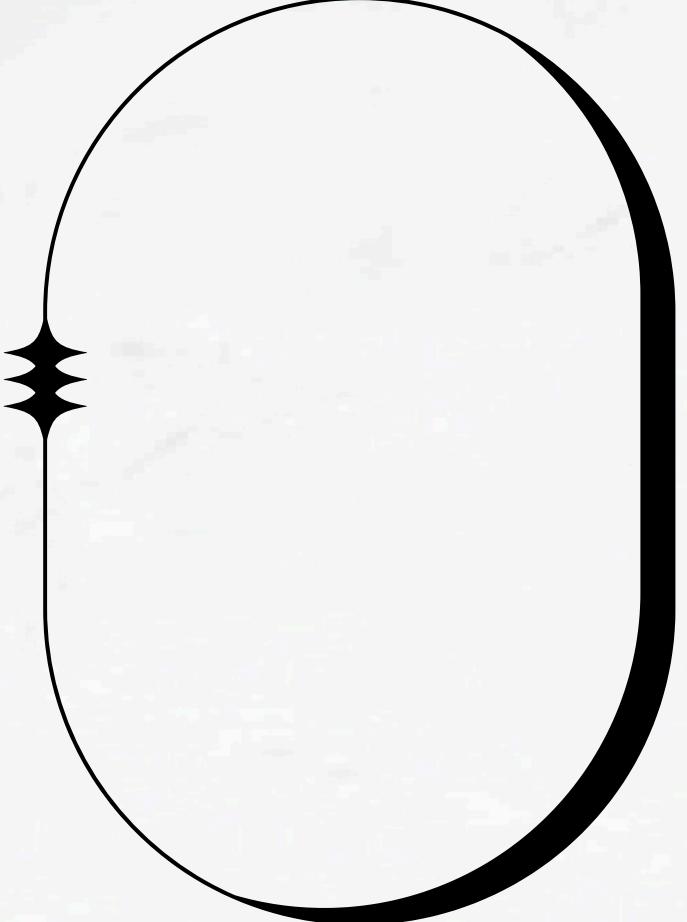
Anshul Sirohi

Money Transfer Module, Error Handling, Testing

251

Saurav Agrawal

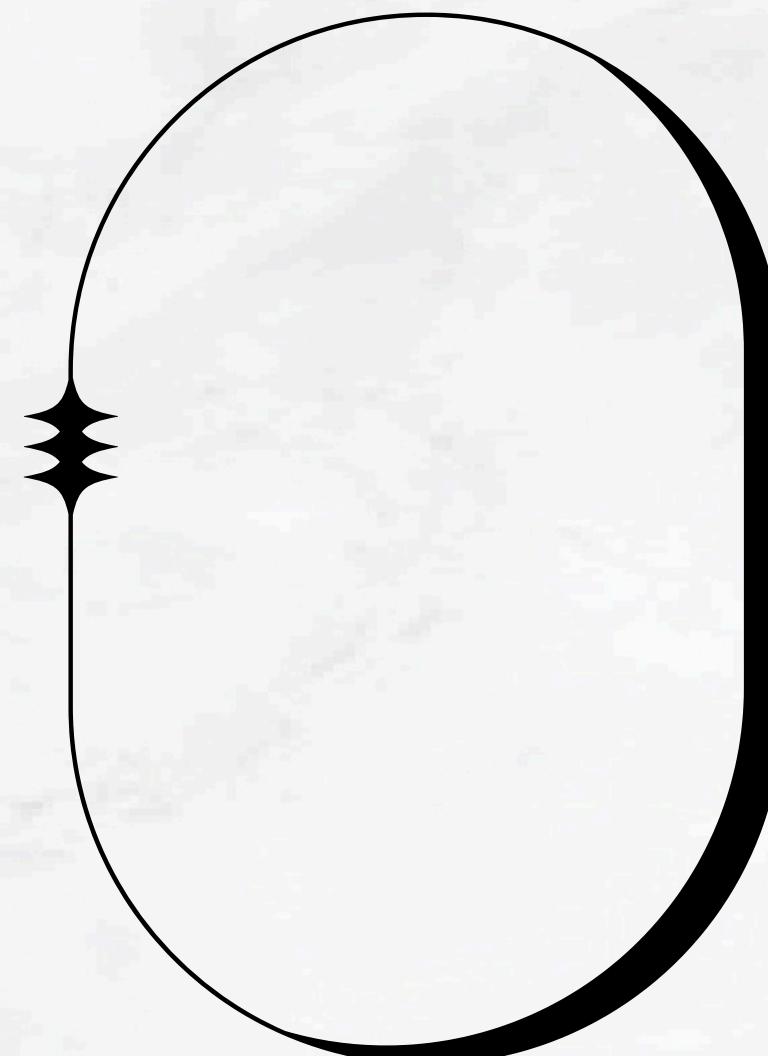
Security Implementation, Documentation, Reporting



Each member contributed to the core aspects of the application, ensuring the project progresses smoothly.

TEAM CONTRIBUTIONS

**THANK
YOU**



Let's Work Together
GitHub Repository
Link