



# ONLINE BANKING SYSTEM

*Presented by: Batch 5, Team 1*



# OVERVIEW

- Aims to provide users a secure and convenient platform for remote financial management.
- Developed using Spring Boot, offering a range of features:
  - User Registration and Login
  - Account Overview
  - Fund Transfer
  - Account Statement Generation
  - Password Change
  - Account Settings
  - Deposit and Withdrawal
  - Transaction History
  - Admin Dashboard
  - Secure Logout

## Key Features

- **Spring Boot Power:** Scalability, reliability, and easy integration with databases and third-party services.
- **Responsive Design:** Seamless interaction across devices.
- **Enhanced User Experience:** Intuitive interfaces and streamlined workflows.
- **Security Focus:** Robust authentication, encryption, and protection against vulnerabilities.

## User Benefits:

- **Convenience:** Manage accounts remotely, anytime, anywhere.
- **Efficient Transactions:** Secure fund transfers, bill payments, and more.
- **Comprehensive Reports:** Stay updated on financial activities.
- **User-Friendly Interface:** Simplified platform for easy navigation.
- **Secure Operations:** Carry out financial transactions securely.





# GOALS AND OBJECTIVES

## Growth

**Scalability** : ensures that the system's architecture handles increased user load, ensuring that it remains responsive and reliable even as user numbers grow

**Feature Expansion** : Continuously enhancing the system's functionalities based on user feedback and emerging market trends, offering new services that cater to evolving financial needs.

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## Customer Satisfaction

Ensure a high level of customer satisfaction by prioritizing user experience and addressing their needs effectively:

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# TECH STACK

## FRONT-END



## BACK-END



## DATABASE



## LANGUAGES



## IDE

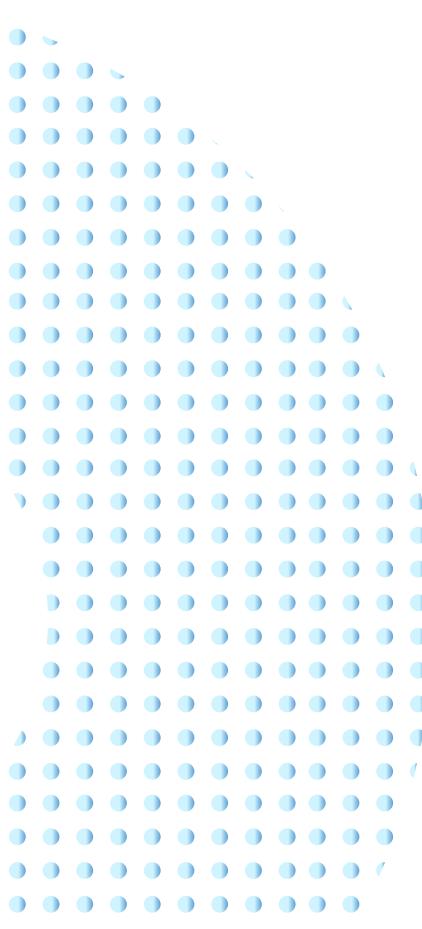


Visual Studio Code

## TESTING

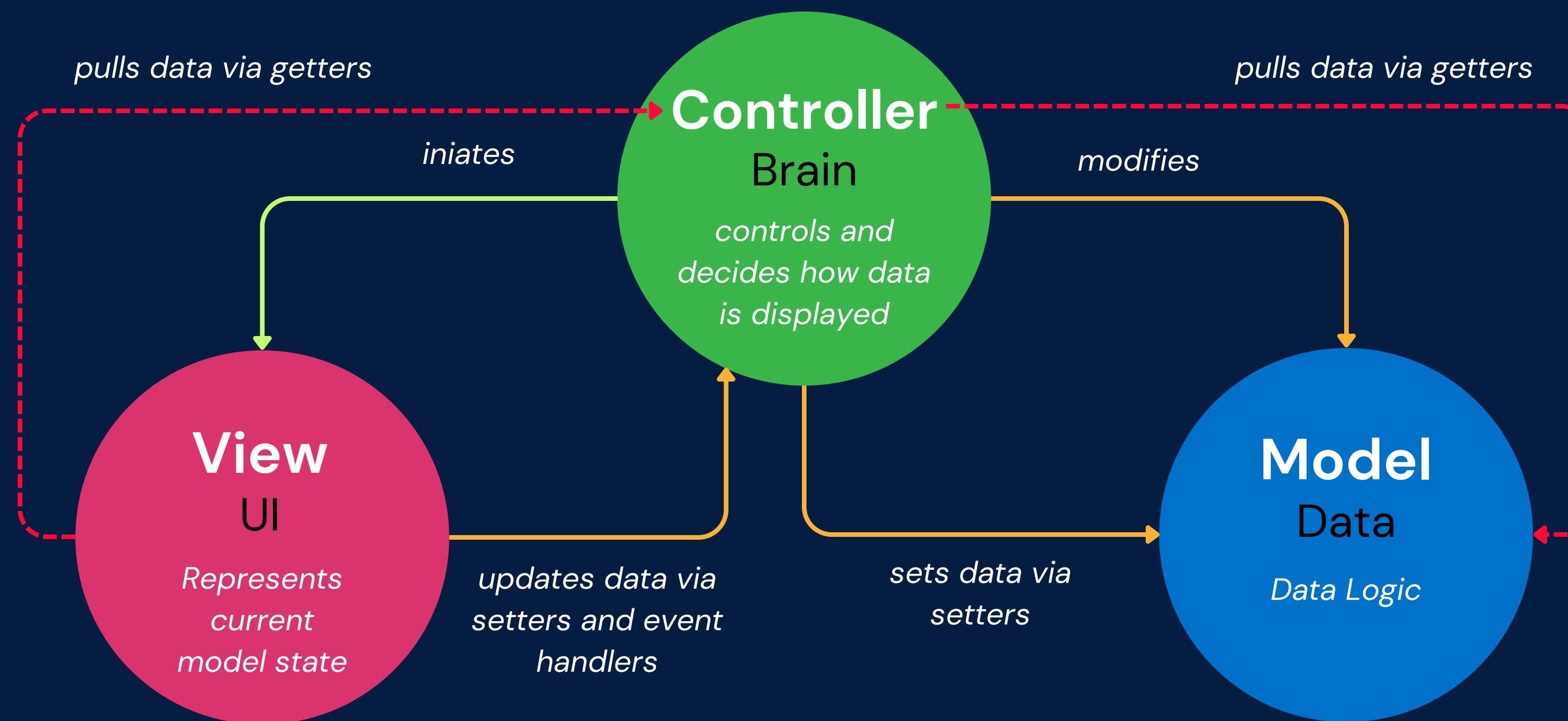


POSTMAN



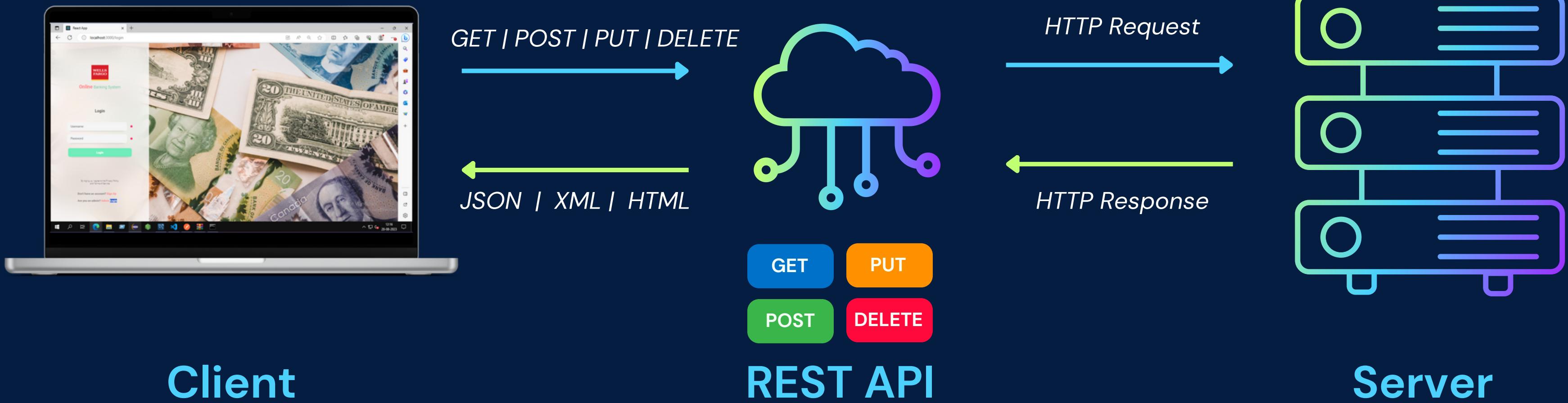
# MVC

Model · View · Controller

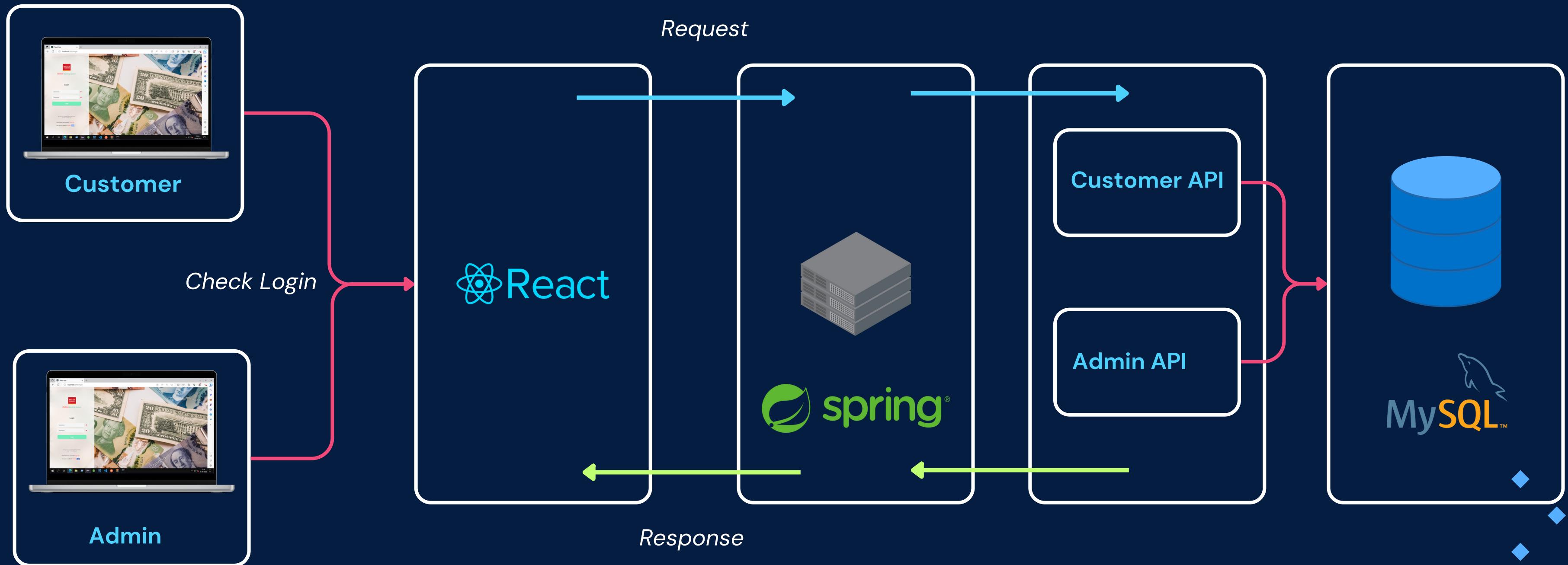


# REST API

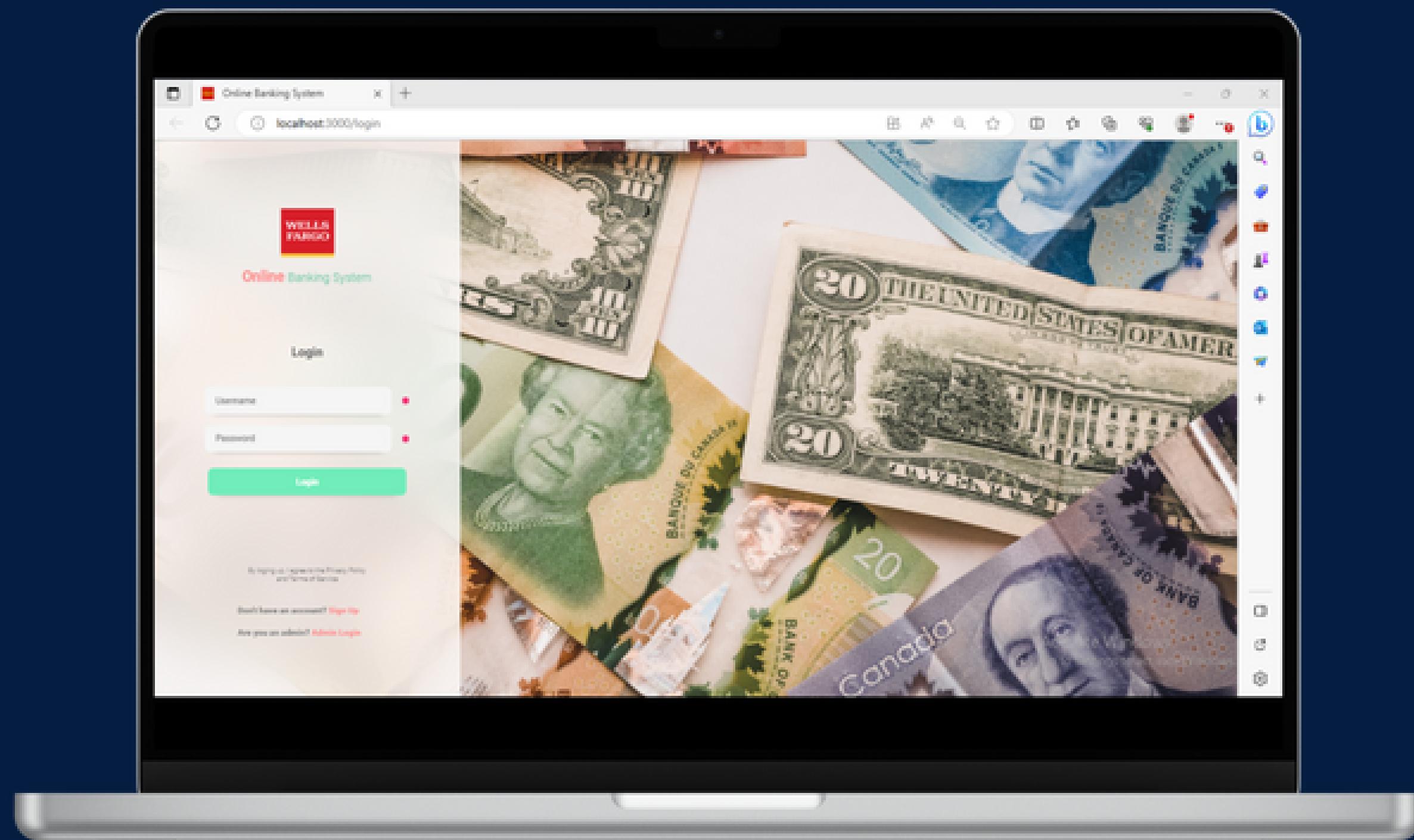
## REpresentational State Transfer



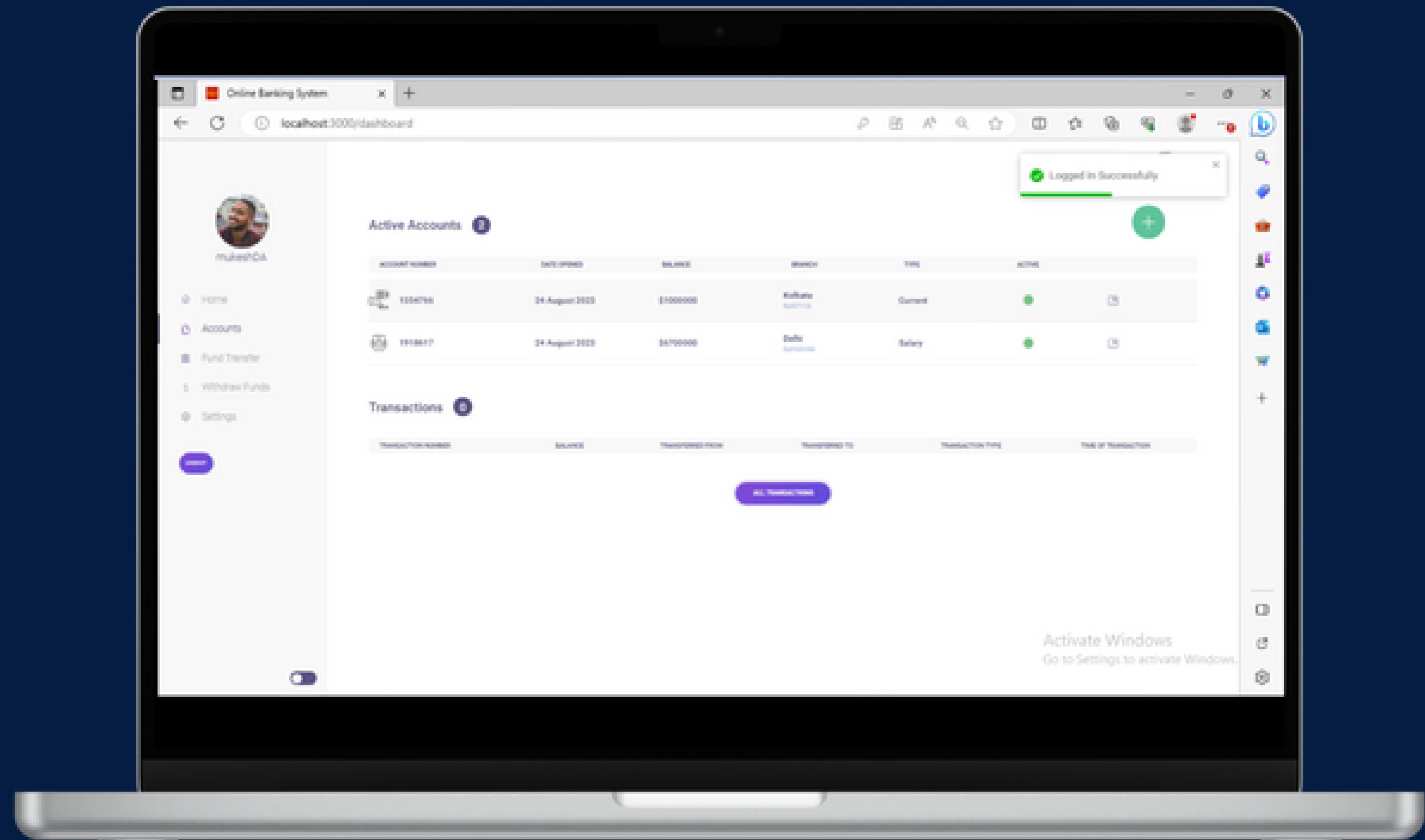
# ARCHITECTURE DIAGRAM



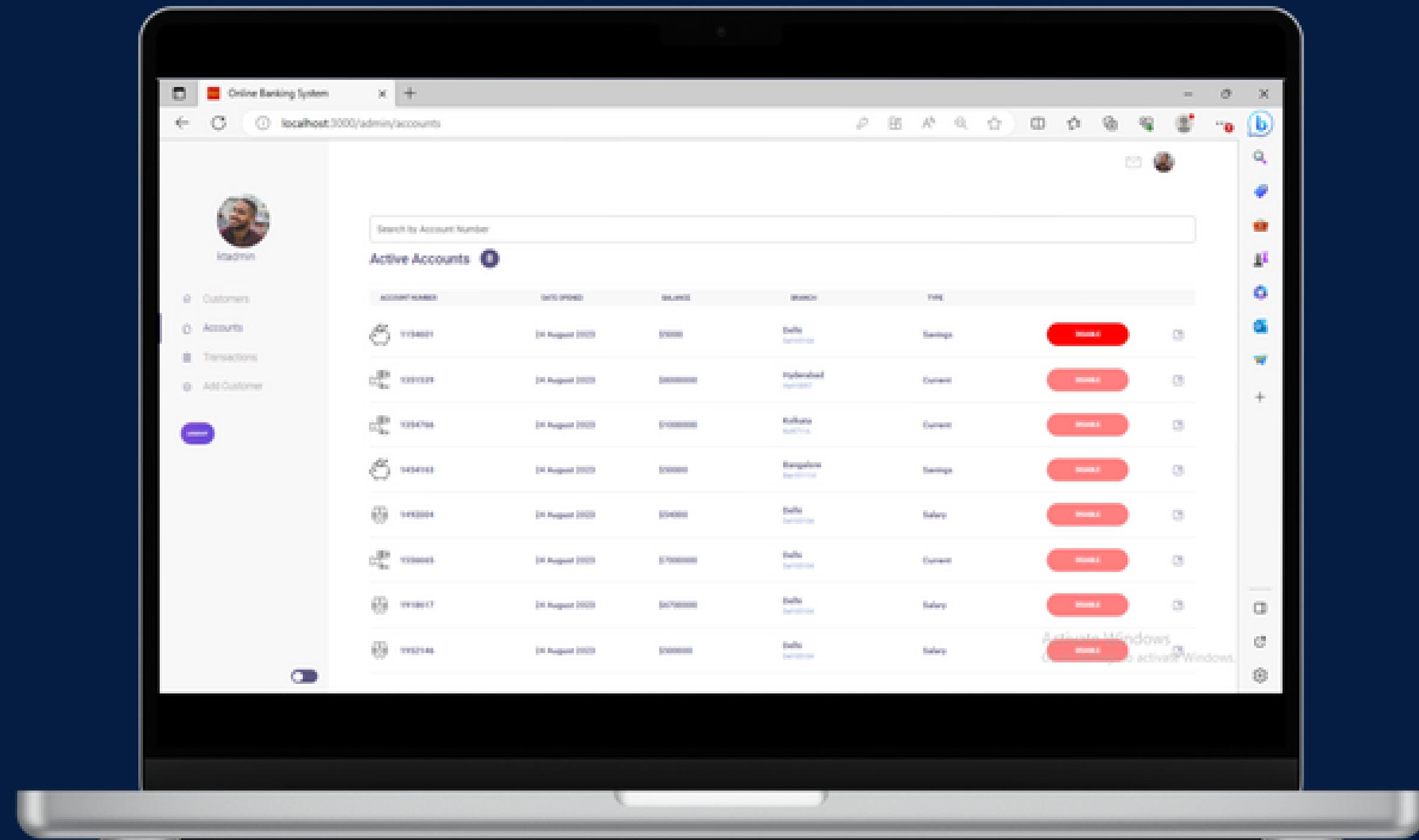
# SIGNUP/LOGIN



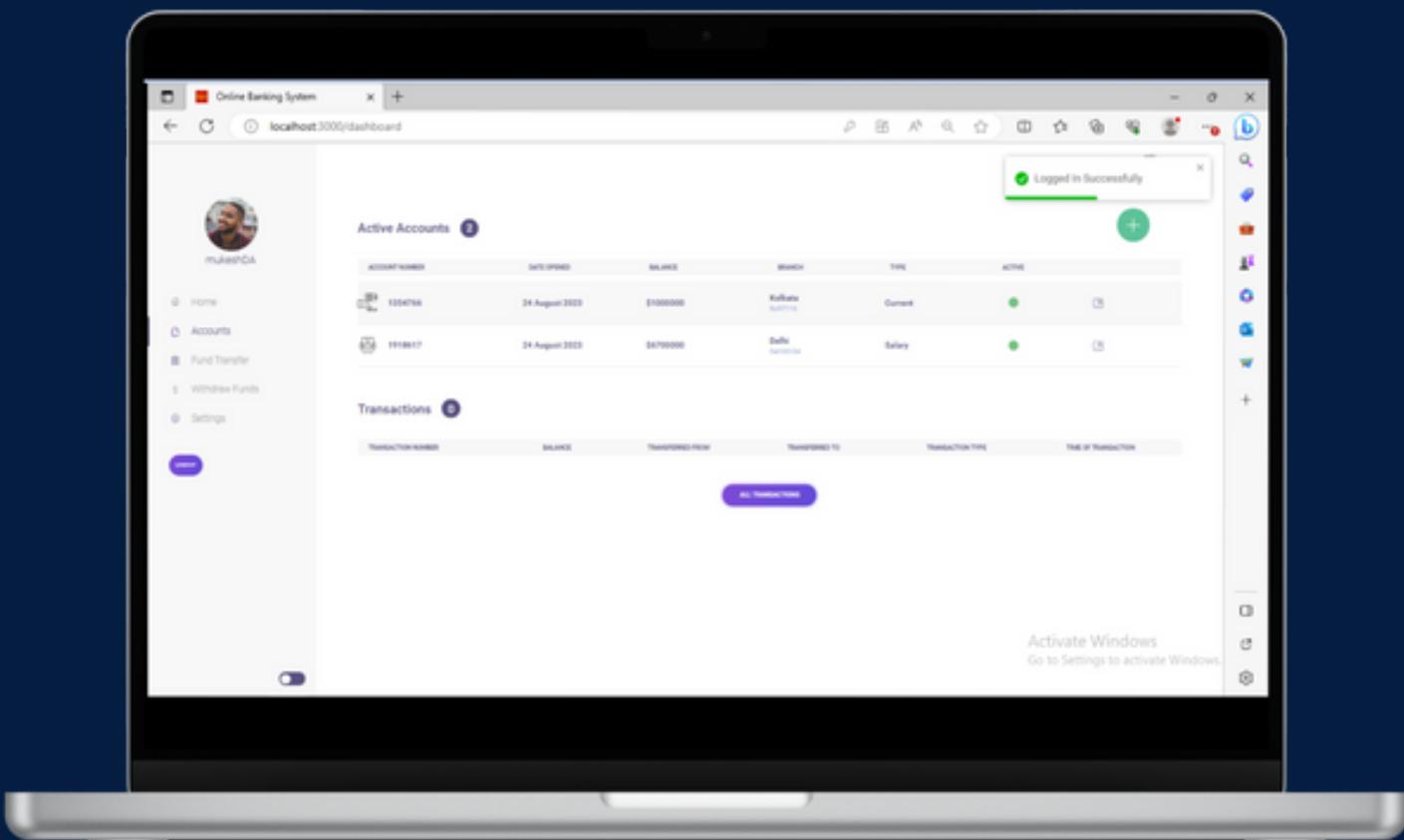
# CUSTOMER DASHBOARD



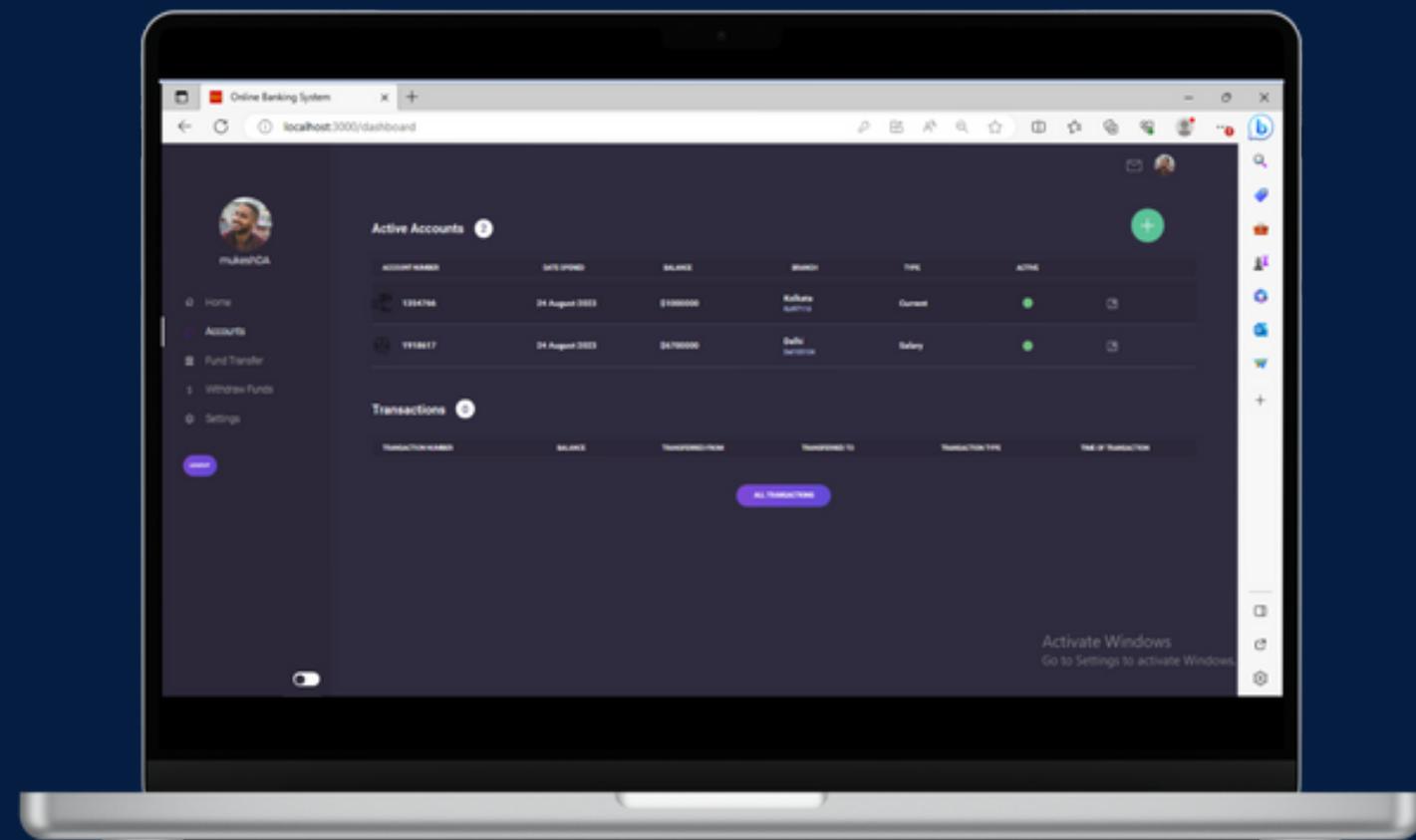
# ADMIN DASHBOARD



# DARK MODE

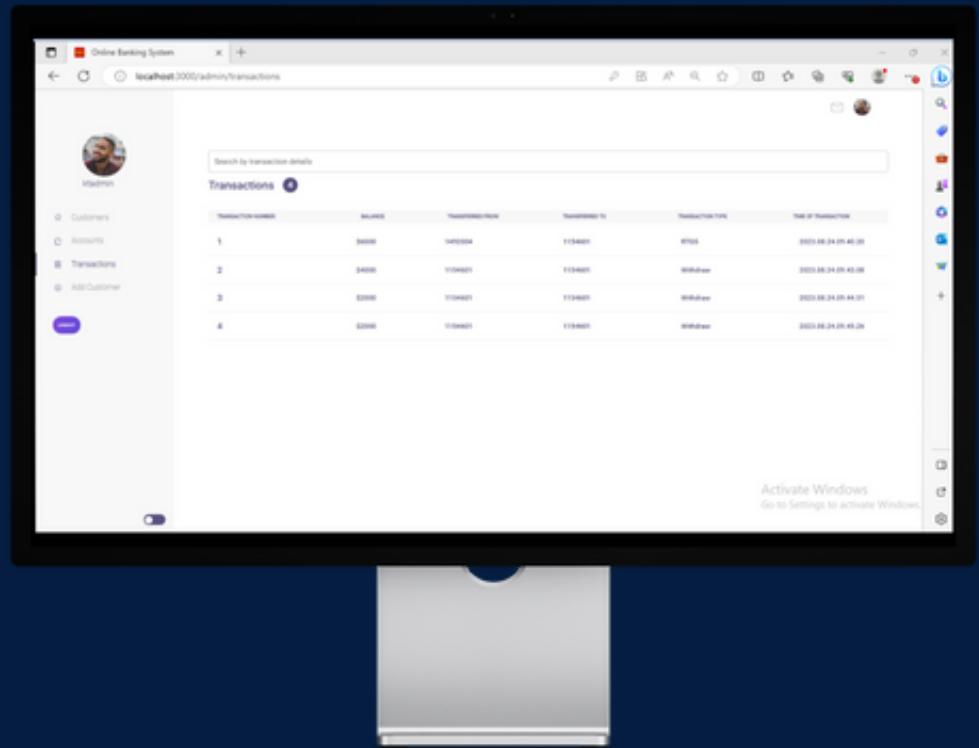


Light Mode

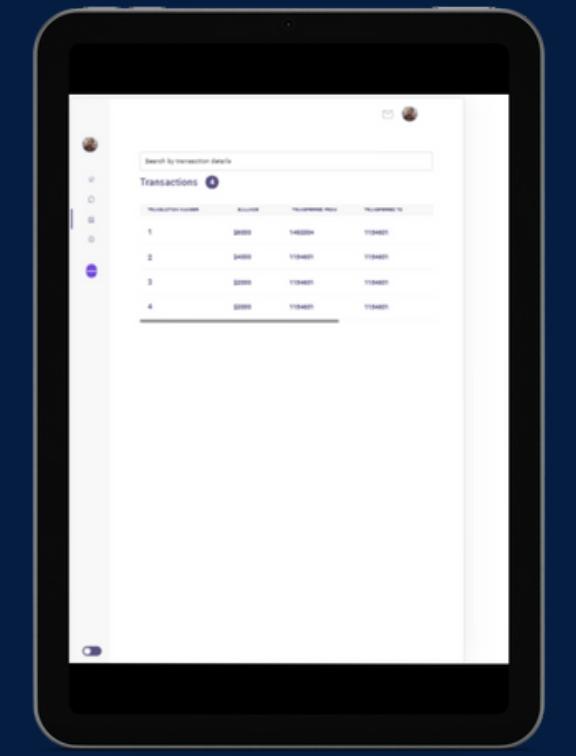


Dark Mode

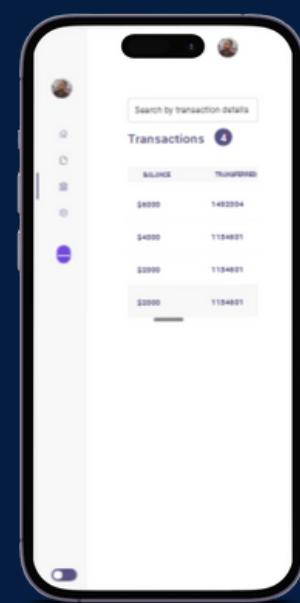
# RESPONSIVE



Desktop



Tablet



Mobile

# CHALLENGES

- Learning Curve
- Integration Complexity
- Debugging in case of failures
- Testing and QA
- Version Control
- Error Handling
- Continuous Learning
- Time Management



# FUTURE ENHANCEMENTS



Biometric Authentication



Voice and Gesture Commands



AI-Powered Customer Support



Predictive Analytics for Fraud Detection



IoT Integration



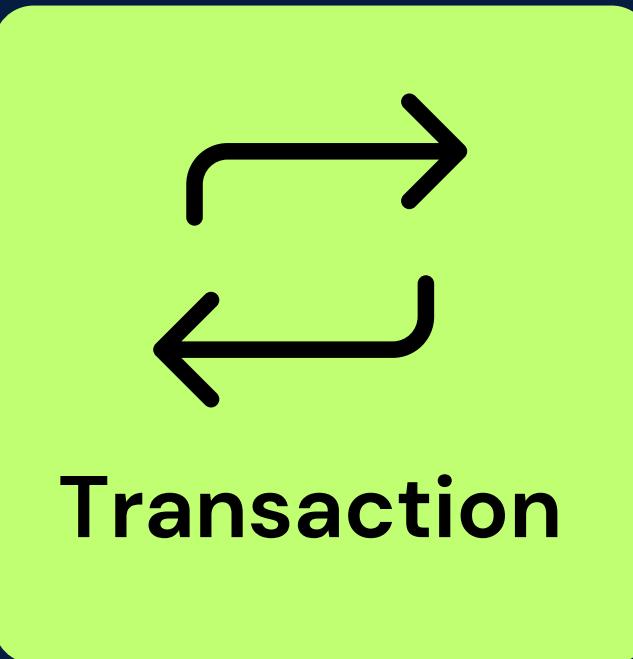
Blockchain and Cryptocurrency Integration

# API ENDPOINTS

POST	/login
GET	/fetchAccounts/{username}
PUT	/changePassword/{otp}
GET	/fetchUser/{username}



POST	/transact
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POST	/createAccount/{username}
GET	/fetchTransactions/{account_no}
GET	/getAccountDetails/{account_no}
POST	/accountStatement/{account_no}

POST	/saveAdmin
POST	/adminLogin
POST	/disable{account_no}/{username}
GET	/getAllCustomers/{username}
GET	/getAllAccounts/{username}
GET	/getAllTransactions/{username}
GET	/fetchAdmin{username}

# OUR TEAM



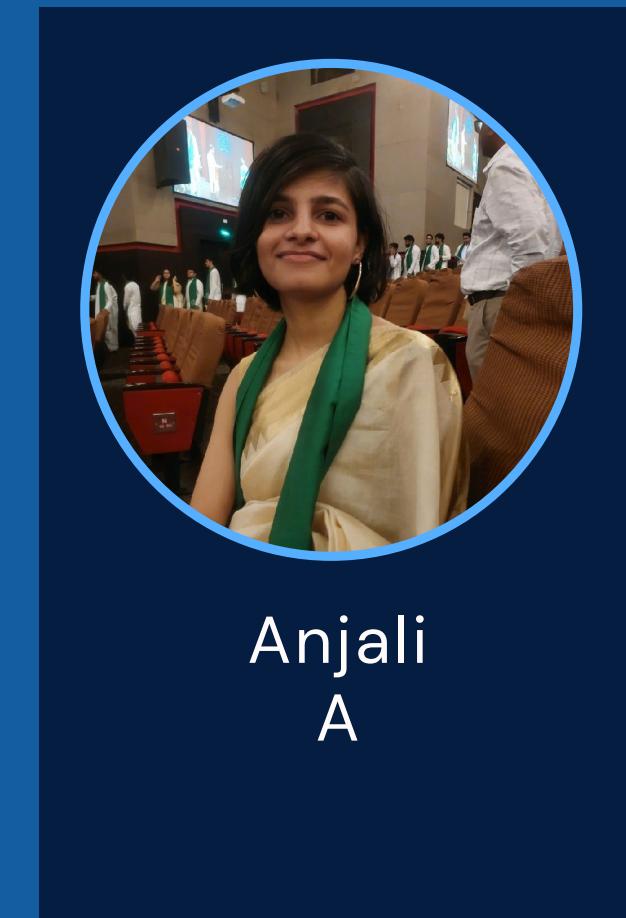
Chandan  
Kumar



Kamal  
Tulsiyani



Aditi  
Mall



Anjali  
A



Kumar  
Shubham

# Thank You

