



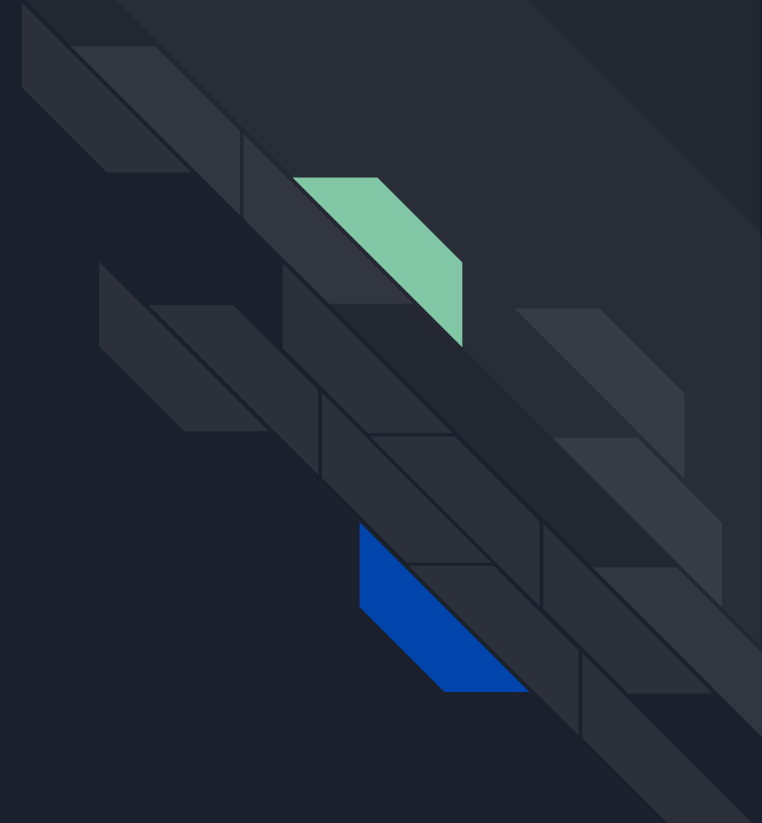
ONLINE BANKING SYSTEM

Developed By:-

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OUTLINE

- Introduction
- Features
- Aim of the project
- Objectives
- Functionalities of the project
- System Requirements
- Technologies used
- Project modules
- User characteristics
- Project screenshots





Introduction

- The "Online Banking System" is created to address issues with the existing manual banking system.
- This software is designed to alleviate or remove the difficulties associated with the current system.
- Furthermore, this system is tailored to the company's specific requirements for smooth and efficient operations.
- The programme is simple, allowing users to update their information while registering and utilising their accounts.
- When the user enters invalid data, it also displays an error notice.
- The user does not require any formal knowledge to use this system. As a result, it demonstrates that the portal is user-friendly and can result in error-free, secure, trustworthy, and rapid banking.



Features

- Streamlined Banking Experience: Our Online Banking System provides customers with a modern and efficient way to manage their finances from the comfort of their own devices.
- User-Friendly Interface: With an intuitive user interface, customers can easily access their accounts, initiate transactions, and view their financial status at a glance.
- Authenticated User Management: The system allows users to register, log in, and securely access their account functionality.
- Seamless Account Management: Users can review their account details, view their transactions, and make changes to their credentials with ease.
- Effortless Fund Transfers: The platform facilitates hassle-free fund transfers with options for NEFT, RTGS, and IMPS methods.
- Administrative Control: Authorized Administrative bank personnel can efficiently manage deposits and withdrawals, and set account activation status, ensuring smooth operations and customer satisfaction.

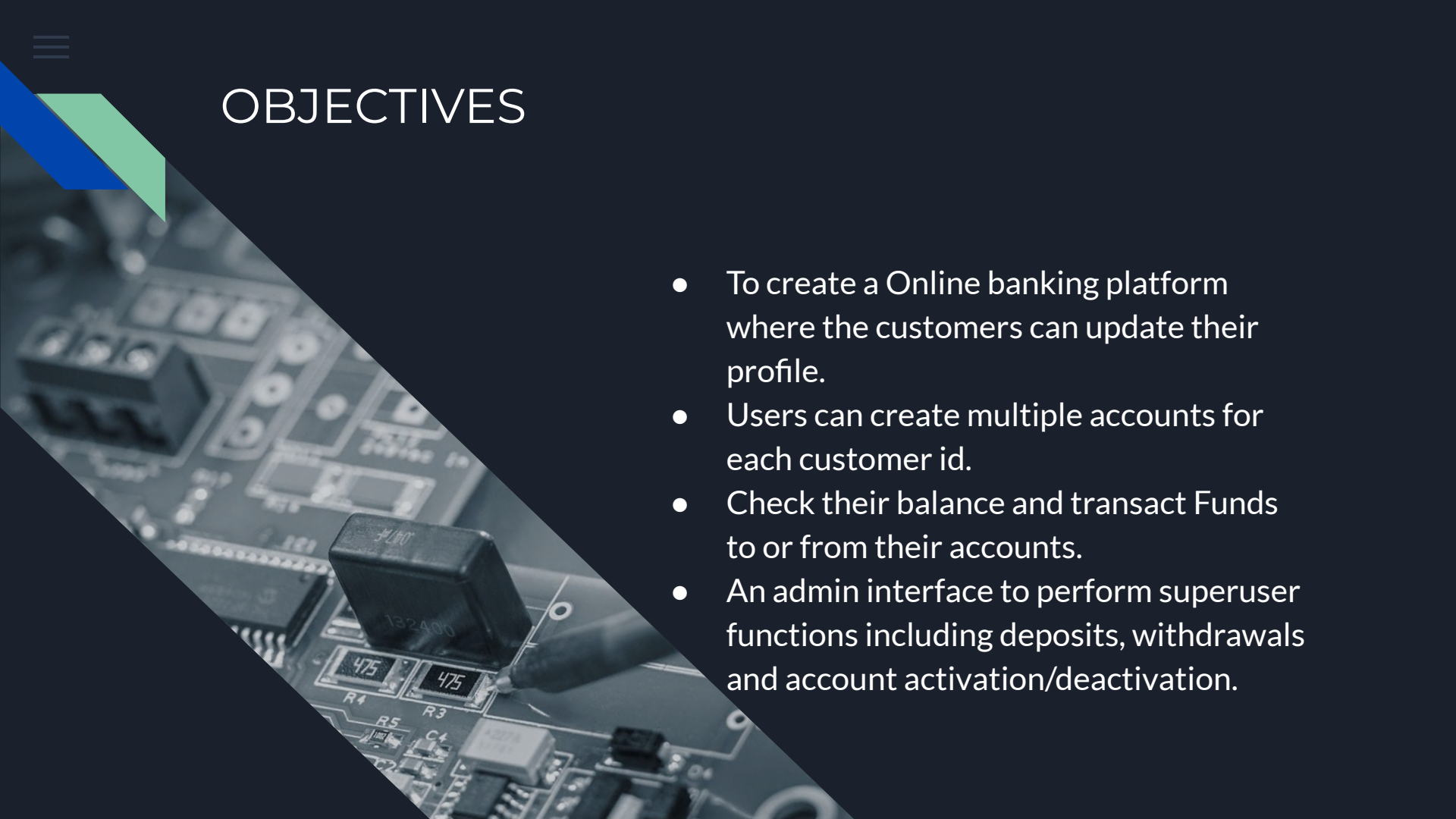


AIM OF THE PROJECT

To build a Full-Stack web application to streamline the banking process.




OBJECTIVES

- 
- To create a Online banking platform where the customers can update their profile.
 - Users can create multiple accounts for each customer id.
 - Check their balance and transact Funds to or from their accounts.
 - An admin interface to perform superuser functions including deposits, withdrawals and account activation/deactivation.



FUNCTIONALITIES OF PROJECT

- Customer Registering and Sign In.
 - Creating accounts.
 - Online Fund Transactions.
 - Tracking and Displaying account transaction history.
 - Updating the user information.
 - Admin Side account activation/deactivation.
 - Admin Side deposits and withdrawals.
- 



TOOLS USED

Software

VS Code(ReactJS)

Apache Tomcat Server

Eclipse/IntelliJ

HeidiSQL



TECHNOLOGIES USED

- Spring boot.
- ReactJS
- CSS3
- HTML5
- Rest API(spring boot)
- MariaDB
- Postman



PROJECT MODULES

- User Management
 - Register, Sign In
 - Edit Profile
- Account Management
 - Create Account
 - View Account Transactions
- Fund Transfer
 - Payment Mode Selection
 - Account Selection
 - Transfer amount
- Admin Module
 - Account activation/deactivation
 - Deposit/Withdrawal
 - Viewing account information



USER CHARACTERISTICS

Customer

- Can register and login into the portal
- Can check his balance
- Can check his account history
- Can add a new account

Admin

- Can access all the transactions
- Can change in function or other action
- Can manage everything



PROJECT SCREENSHOTS



FUTURE SCOPE

- Can build a Mobile application
- Increase the services offered by the bank (Loans, Fixed Deposits, Mutual Funds, etc.)
- Provide improved security using two-factor authentication
- Provide UPI Transactions
- Personalized Notifications
- Chatbot Integration
- Social Media Integration
- Accessibility Features
- Blockchain Integration

Home Page

CITIZENS BANK

Login

Register



CITIZENS BANK



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Log In

CITIZENS BANK

Login

Register

Log In

Customer ID

1005

Password



Login

[Sign in as Admin](#)

Activate Windows
Go to Settings to activate Windows

Dashboard



View Profile

CITIZENS BANK

Dashboard

Log Out

Profile

View Profile

Edit Profile

Account

Transaction

Customer Profile

Customer Id:
1005

First Name:
john

Last Name:
doe

Phone No. :
9999999876

Email:
john@gmail.com

Father Name:
doe

Date of Birth:
2023-09-20

Aadhar No. :
123123123125

Address :

Back To User Dashboard

Activate Windows
Go to Settings to activate Windows.

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Edit Profile

CITIZENS BANK

DashboardLog Out

Profile

View Profile

Edit Profile

Account

Transaction

Update User Details

First name

John

Last name

doe

Contact number

9999999676

Email address

John@gmail.com

Father's name

doe

Aadhar number

123123123125

Date of Birth

20-09-2023

Address

Address

Update

Cancel

Activate Windows

Go to Settings to activate Windows.

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Accounts

CITIZENS BANK

DashboardLog Out

Profile

Account

View Accounts

Open Account

Transaction

Account No.	Balance	Account Status
100	960	Inactive
102	1930	Active
103	12430	Active
104	3000	Active

Activate Windows

Go to Settings to activate Windows.

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Open Account

CITIZENS BANK

DashboardLog Out

Profile

Account

View Accounts

Open Account

Transaction

Open Account

Open an account for customer: 1005

First Name	<input type="text" value="john"/>	Last Name	<input type="text" value="doe"/>
Email	<input type="text" value="john@gmail.com"/>	Phone	<input type="text" value="9999999876"/>
Aadhar	<input type="text" value="123123123125"/>	Date of Birth	<input type="text" value="20-09-2023"/>
Balance	<input type="text" value="0"/>	Transaction Password	<input type="text"/>
<input type="text" value=""/>			

Submit

Activate Windows
Go to Settings to activate Windows.

Make Transactions

CITIZENS BANK

DashboardLog Out

Profile

Account

Transaction

Make Transaction

View Transactions

Select RIGS/IMPS/NEFT

Initiate IMPS Payment

Sender Account

103

Receiver Account

Receiver Account

Transaction Password

Enter transaction password

Amount

Amount

Maturity Instructions

Enter maturity instructions

Remarks

Enter remark

Submit

Activate Windows

Go to Settings to activate Windows.

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View Transactions

CITIZENS BANK

DashboardLog Out

Profile

Account

Transaction

Make Transaction

View Transactions

Select Account +

Sender Account No.	Receiver Account No.	Amount	Transaction Time	Remarks
100	102	20	2023-09-25T09:41:02.270921	pay 20
102	103	100	2023-09-29T10:42:25.672024	--

Run


Activate Windows
Go to Settings to activate Windows.

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Admin: View all accounts


CITIZENS BANK

LoginRegister

 View all customers

View all customers

 Deactivate or Activate

 Deposit or Withdraw

Customer Id	First Name	Last Name	Aadhar	Date of Birth	Email	Father's Name	Phone No.
1000	Priya	Ravi	597267293423	0035-04-23	r.priya@gmail.com	Ravi	9444965159
1001	Priya	Ravi	123123123123	2023-09-04	prie@gmail.com	ravi	9444965159
1003	john	doe	123123123124	2023-09-14	john@example.com	doe	9999999999
1004	joe	doe	123412341234	2023-09-15	joe@gmail.com	doe	8888888888
1005	john	doe	123123123125	2023-09-20	john@gmail.com	doe	9999999676
2000	john	doe	123123123126	2023-09-13	john@example.com	doe	9999999999

Activate Windows


Go to Settings to activate windows.


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Admin: De/Activate Account


CITIZENS BANK

LoginRegister

 View all customers

 Deactivate or Activate

Deactivate or Activate

 Deposit or Withdraw

Admin Deactivate account

DeactivateActivate


Activate Windows
Go to Settings to activate Windows.


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Admin : Deposit/Withdraw

CITIZENS BANK

LoginRegister

 View all customers

 Deactivate or Activate

 Deposit or Withdraw

Deposit or Withdraw

Deposit/Withdraw

Account Number

Amount

Deposit

Withdraw

Activate Windows

Go to Settings to activate Windows.

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Admin : Deposit/Withdraw

Current scope: all classes

Settings and more

Overall Coverage Summary

Package	Class, %	Method, %	Line, %
all classes	78.9% (15/19)	66.1% (80/121)	56.6% (145/256)

Coverage Breakdown

Package ▲	Class, %	Method, %	Line, %
com.wellsfargo.training.onlineBankingSystem	100% (1/1)	50% (1/2)	50% (1/2)
com.wellsfargo.training.onlineBankingSystem.controller	100% (4/4)	90% (18/20)	82.7% (67/81)
com.wellsfargo.training.onlineBankingSystem.exception	20% (1/5)	20% (1/5)	20% (1/5)
com.wellsfargo.training.onlineBankingSystem.model	100% (5/5)	75.7% (56/74)	68.6% (72/105)
com.wellsfargo.training.onlineBankingSystem.service	100% (4/4)	20% (4/20)	6.3% (4/63)



Contributions

- Anurag Mondal
 - Database Design
 - Open Account Page
 - User/Admin Dashboard Sidebar
 - Admin Withdrawal/Deposit Endpoints and Service
 - Admin Controller Testing
- Satyam Pareek
 - View and Edit Profile Page
 - Customer Controller and services
 - Account Controller and services
 - Admin Controller and services
 - Transaction Controller and services
 - Exception Handling
 - Account Controller Testing



Contributions

- Priya Harshini Ravichandran
 - Transaction Page
 - Home page
 - Frontend Backend Integration
 - Admin Deposit and Withdraw
 - View transactions page
 - Exception handling frontend
- Dipti Lulla
 - Open account integration to backend
 - Make transaction integration to backend
 - View Transactions page
 - Customer controller tests

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Contributions

- Suramya Ahuja
 - Home Page
 - Navbar
 - Register/Login Page
 - User Dashboard
 - Component Styling



Project Links

<https://www.github.com/knightvertrag/online-banking-system>



Thank you!