ICIN Bank

**Developer Details**- Yash Mishra, FSD JG MARCH 2023 COHORT 3

Total no. of Sprints- 3

Sprint 1- Preparing work flow chart, Sprint Planning, Project developed using Spring tool Suit 4, adding basic functions such as Mysql Configuration, Entity Classes, Angular Project creation, Component/service/model Creation.

Sprint 2- Add Controller, Service Classes, Repository Classes, Util classes, Login Page Redirecting, Admin side Functions, form validations.

Sprint 3- User Side Implementations, request functionality, transaction history functionality, Exception Handling, Final tunings and checks, documentations.

Flow Chart-
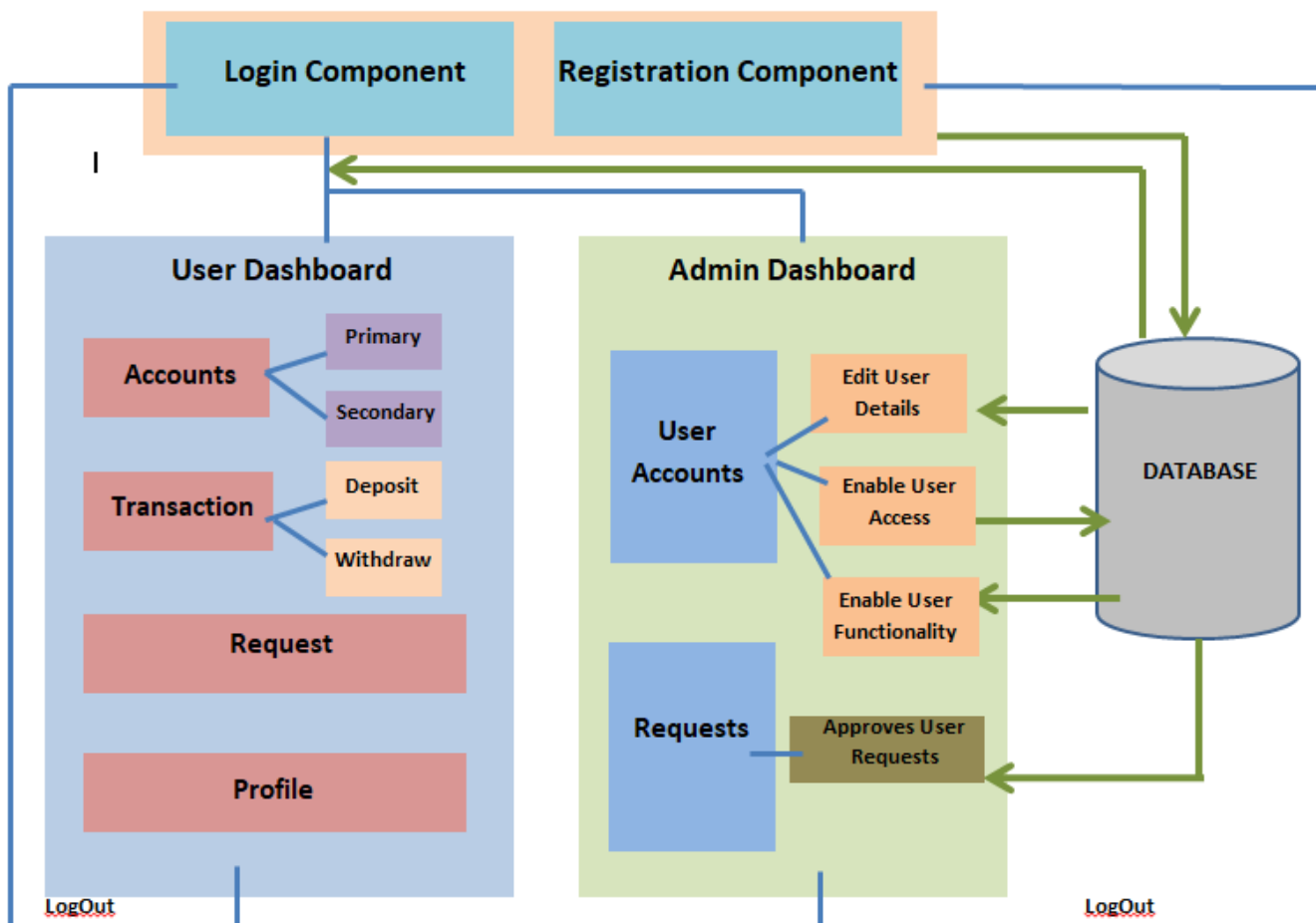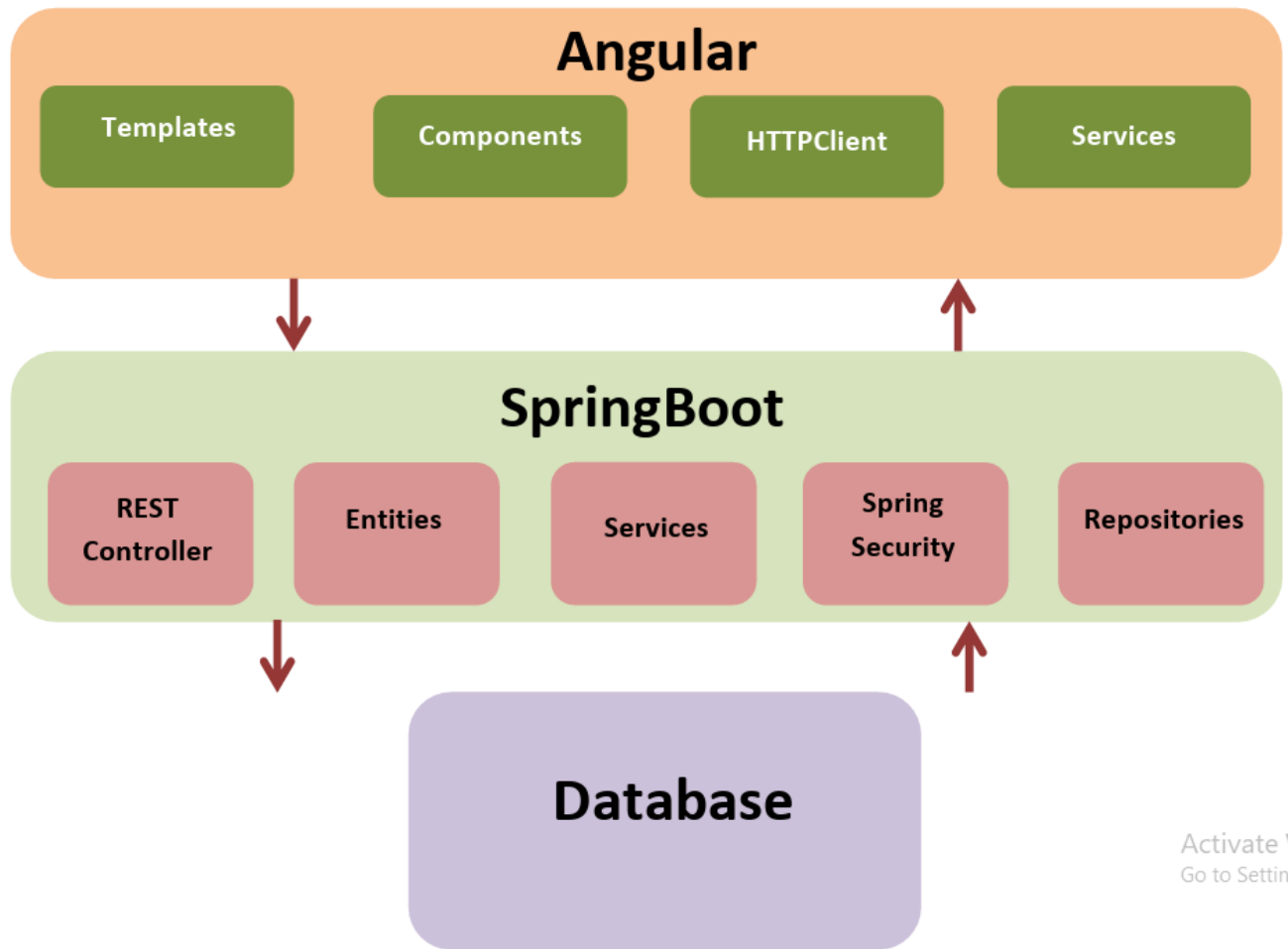
Core concepts used-

SpringBoot , Spring MVC, Angular ,Angular Material, BootStap, HTML, CSS, TypeScript, JPA, SQL, Java And Java2EE Concepts

Features-

1- Each User Data is Stored in database,Any user can be made as an Admin just by changing a single value in database.
2- Admin can edit users and assign them to access to user functionality. Admin is also able to enable/disable a user, Admin is also able to view list of all the users with their details
3- Admin can also approve user request such as checkbook request.
4- User can Add and withdraw balance from his priamary and secondary account.
5- User is also able to transfer funds to other users by entering their account number, and view all transaction history

User Interface

Here User can add/withdraw amount from his Primary/Secondary Account balance

Acounts Page

Primary Balance ₹0.00

here we can se the transaction history in primary?secondary accounts

view Details ▸

Deposit

Go to Deposit ▸

Withdrawal

Go to Withdral ▸

Saving Balance ₹0.00

view Details ▸

This is Admin Dashboard

Admin is able to change the Details, and give access to login and functionalities to user

User Acounts Page

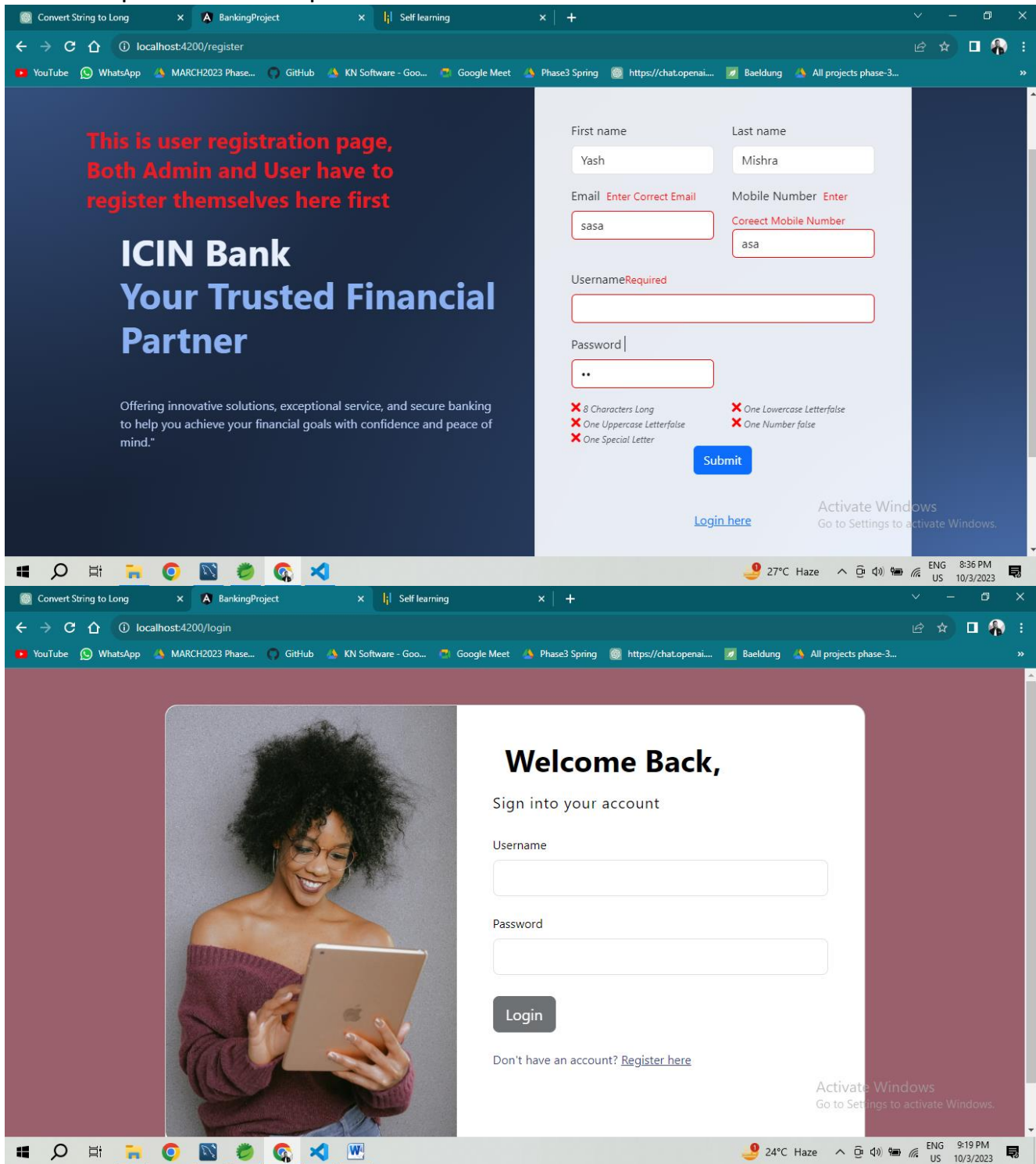| UserName	FirstName	LastName	Email	ContactNo	PrimaryAcount	SecondaryAcount	LoginStatus	FunctionStatus	Action
aryan	Aryan	Mishra	aryan@gmail.com	9797979797	2983921085	7005783107	Enable	Enable	Edit
gyan	Gyanendra	Mishra	gy@gmail.com	9494949494	6574608367	666476083	Enable	Enable	Edit
yash	yash	mishra	yash@123	9898989898	4238755647	5361870336	Disable	Disable	Edit
aryan	aryan	msiihra	aryan@123	9898989898	5850609935	4988135132	Disable	Disable	Edit

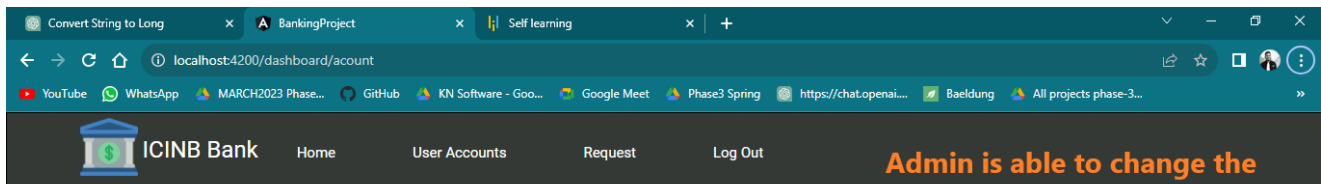Every User is disabled first, Admin have to alow user to be able to login

By Default every users functions are disabled, admin have to enable those first

USPs of this Application-

1. Ease of understanding.
2. Versatile Options for admin to explore and navigate through.
3. Will guide user through errors or exceptions by adding comment on console for what to do next.

4. Separate UI for user and admin.
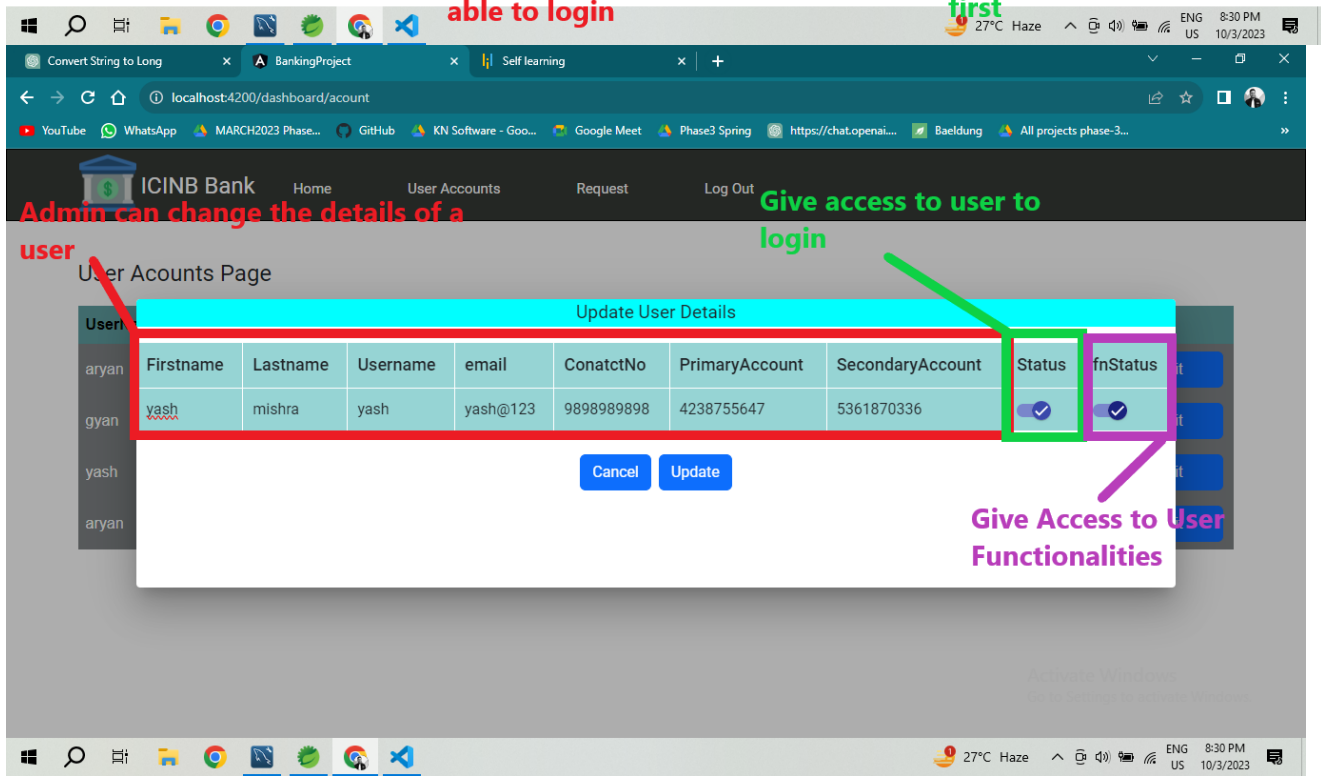5. Scope for future implementations.

This is Admin Dashboard

Admin is able to change the Details, and give access to login and functionalities to user

User Acounts Page

UserName	FirstName	LastName	Email	ContactNo	PrimaryAcount	SecondaryAcount	LoginStatus	FunctionStatus	Action
aryan	Aryan	Mishra	aryan@gmail.com	9797979797	2983921085	7005783107	Enable	Enable	Edit
gyan	Gyanendra	Mishra	gy@gmail.com	9494949494	6574608367	666476083	Enable	Enable	Edit
yash	yash	mishra	yash@123	9898989898	4238755647	5361870336	Disable	Disable	Edit
aryan	aryan	msiihra	aryan@123	9898989898	5850609935	4988135132	Disable	Disable	Edit

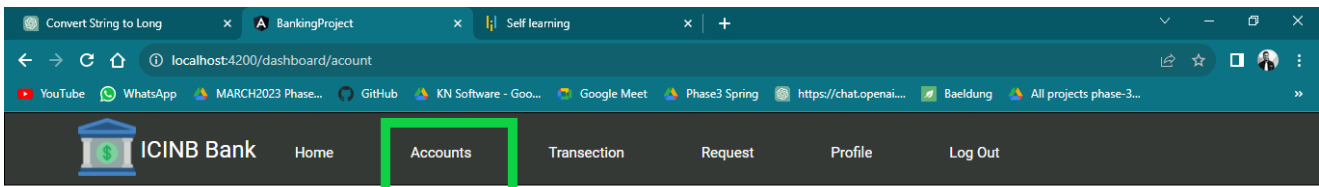**Every User is disabled first, Admin have to alow user to be able to login**

By Default every users functions are disabled, admin have to enable those first
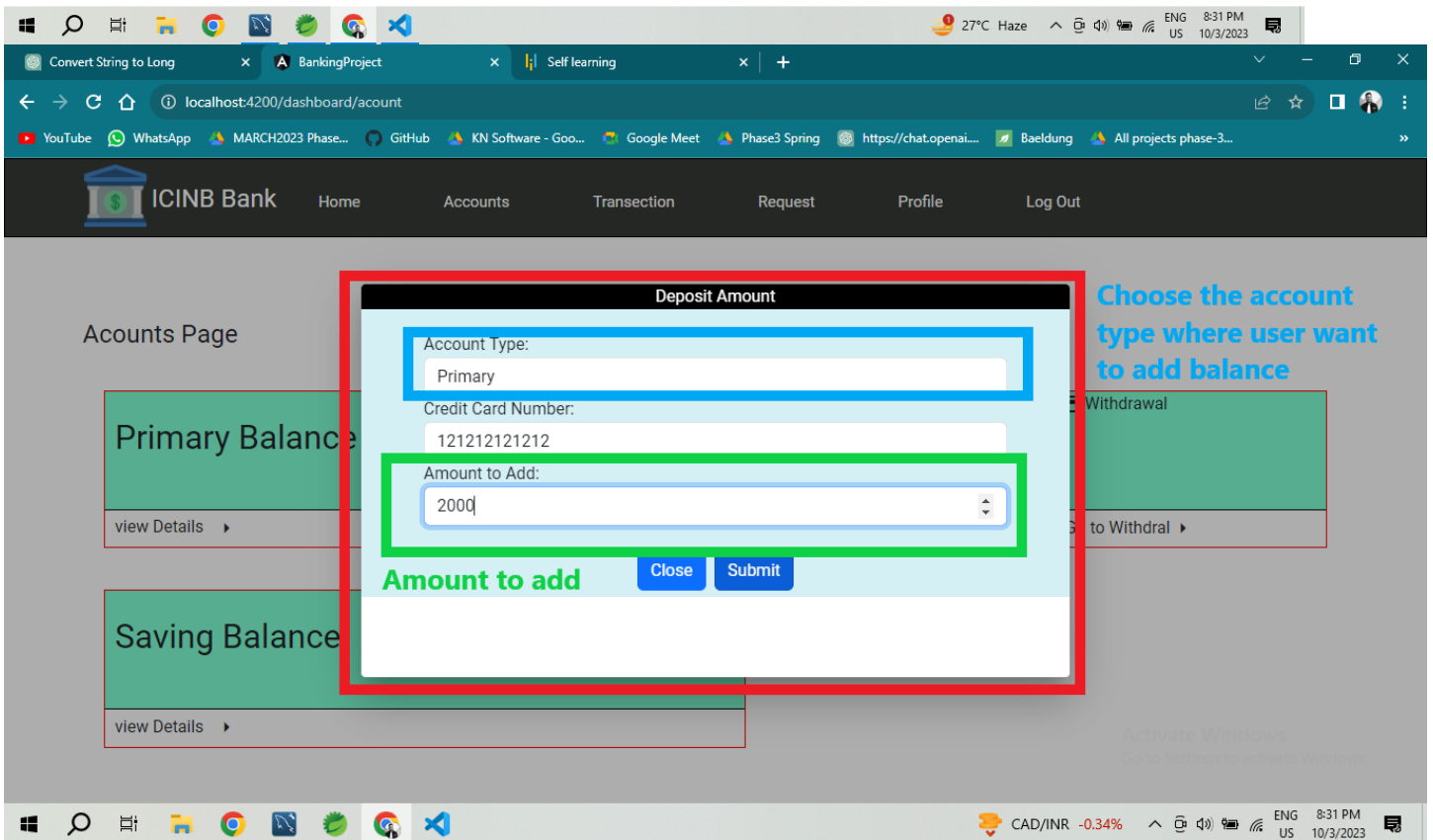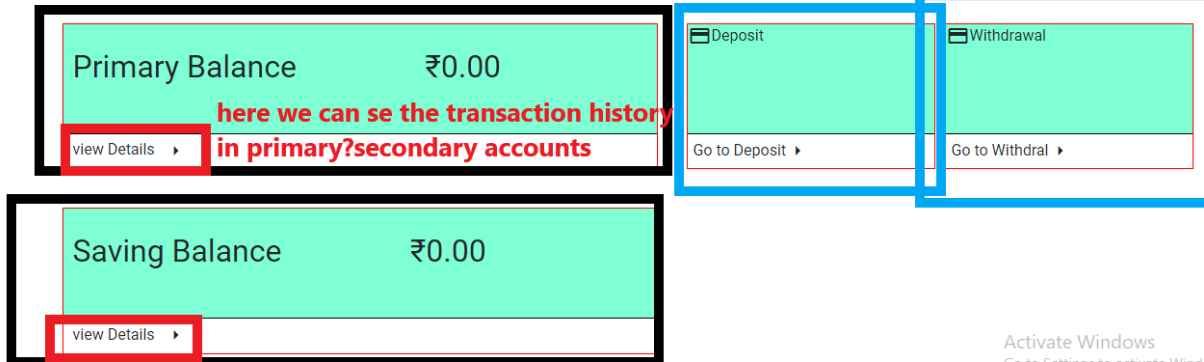

Admin can change the details of a user

Give access to user to login

User Acounts Page

Update User Details

Firstname	Lastname	Username	email	ConatctNo	PrimaryAccount	SecondaryAccount	Status	fnStatus
yash	mishra	yash	yash@123	9898989898	4238755647	5361870336	☑	☑

Cancel Update

Give Access to User Functionalities

Screenshot 1 (Accounts Page):

ICINB Bank   Home   Accounts   Transection   Request   Profile   Log Out

Acounts Page

Here User can add/withdraw amount from his Primary/Secondary Account balance

Primary Balance   ₹0.00

here we can se the transaction history in primary?secondary accounts

view Details ▸

Deposit
Go to Deposit ▸

Withdrawal
Go to Withdral ▸

Saving Balance   ₹0.00

view Details ▸

Activate Windows
Go to Settings to activate Windows.

Screenshot 2 (Deposit Amount):

ICINB Bank   Home   Accounts   Transection   Request   Profile   Log Out

Acounts Page

Primary Balance
view Details ▸

Saving Balance
view Details ▸

Deposit Amount

Account Type:
Primary

Credit Card Number:
121212121212

Amount to Add:
2000

Choose the account type where user want to add balance

Withdrawal
to Withdral ▸

Amount to add

Close   Submit

ICINB Bank   Home   Accounts   Transection   Request   Profile   Log Out

Acounts Page

withdrawal Amount

Account Type:

Primary

Amount to withdrawal:

500

Close   Submit

**Debit Account type
and Amount**

Primary Balance

view Details ▸

Saving Balance

view Details ▸

Withdrawal

Go to Withdral ▸

ICINB Bank   Home   Accounts   Transection   Request   Profile   Log Out

**Updated Account
Balance**
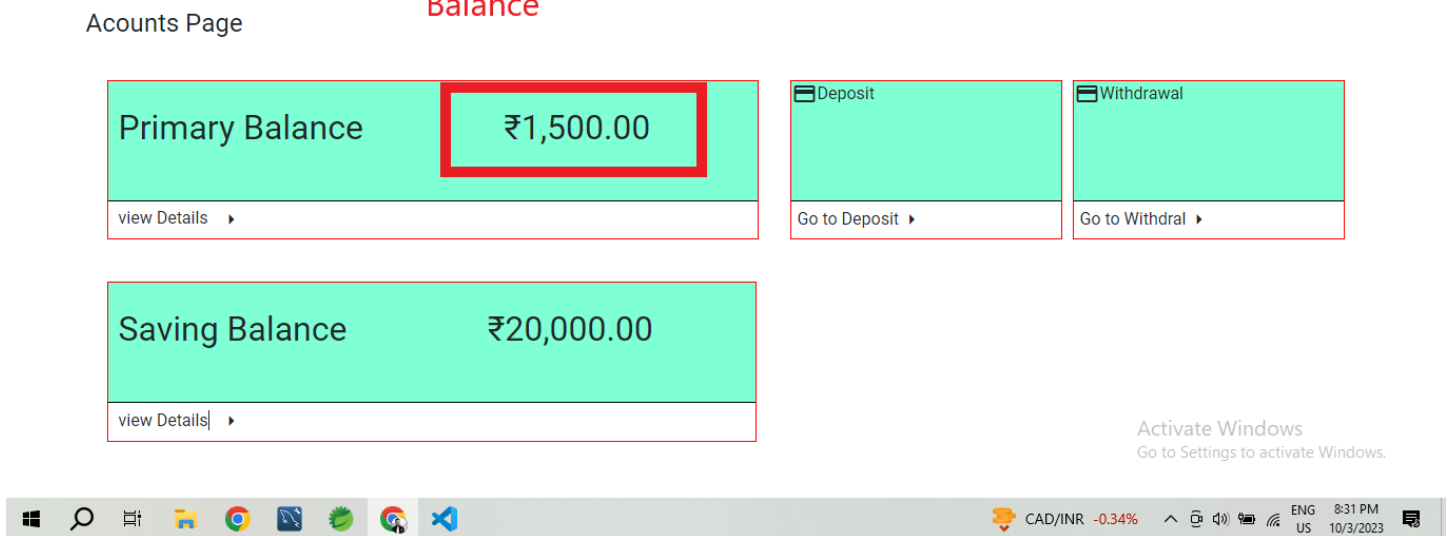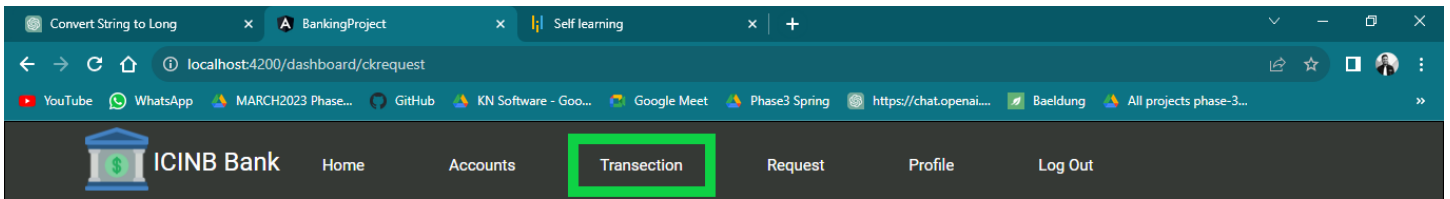
Acounts Page

Primary Balance   ₹1,500.00

view Details ▸

Saving Balance   ₹20,000.00

view Details ▸

Deposit

Go to Deposit ▸

Withdrawal

Go to Withdral ▸

Activate Windows
Go to Settings to activate Windows.

ICINB Bank · Home · Accounts · **Transaction** · Request · Profile · Log Out

Check Book Request

Pick an Acount

Primary

Descrption

i need check book

Submit

Here user can request checkbook from admin, this request will be sent to admin

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ICINB Bank · Home · Accounts · Transection · Request · **Profile** · Log Out
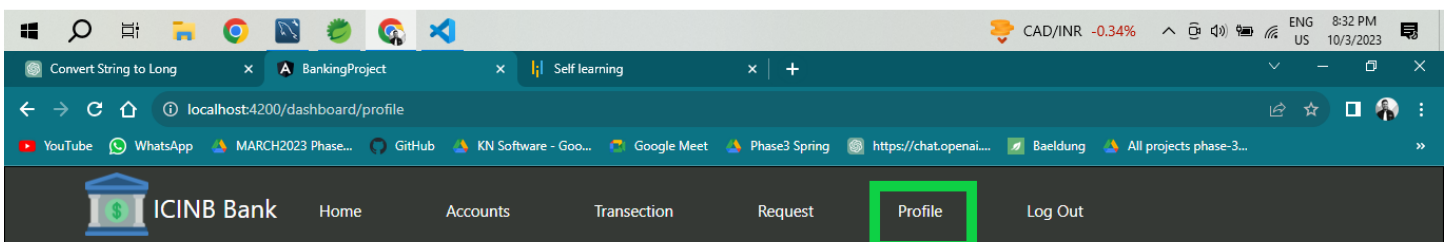
My Profile

Firstname	aryan
Last Name	msiihra
Email	aryan@123
Contact No	9898989898
UserName	aryan
Password	Aryan12345@

Your Profile Imformation

Primary Account Number	Saving Account Number
5850609935	4988135132

Here user is able to view his profile

Transection

Account Type:

Primary — **Debit From this account**

Acount Number:

4238755647

Credit to this account number

Confirm Acount Number:

4238755647

Amount to Add: — **Amount to transfer**
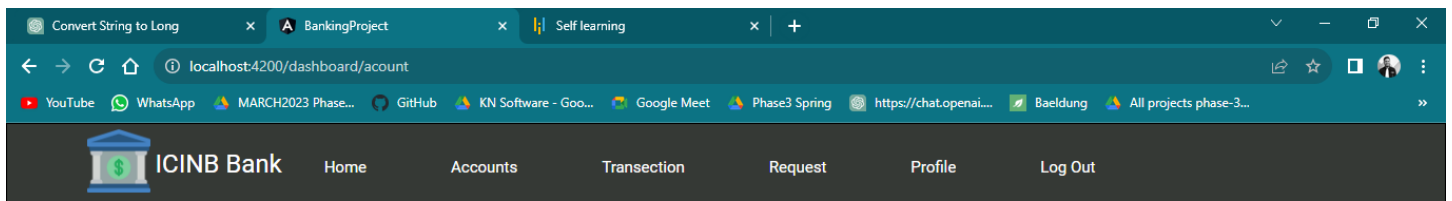
1000

Close   Submit

functionAccess	lastName	password	primaryaccountBalance	primaryaccountNumber	role	savingaccountBalance	savingaccountNumber	
1	Mishra	Admin12@	0	2198414248	1	0	3245728584	1
1	Mishra	Aryan12@	119490	2983921085	0	19490	7005783107	1
1	Mishra	Gyan123@	500	6574608367	0	500	666476083	1
0	mishra	Yash12345@	0	4238755647	0	0	5361870336	0
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	N

Primary Account Number

its_users 8

ICINB Bank   Home   Accounts   Transaction   Request   Profile   Log Out

Acounts Page

Amount Credited to corresponding account number

Primary Balance   ₹1,000.00
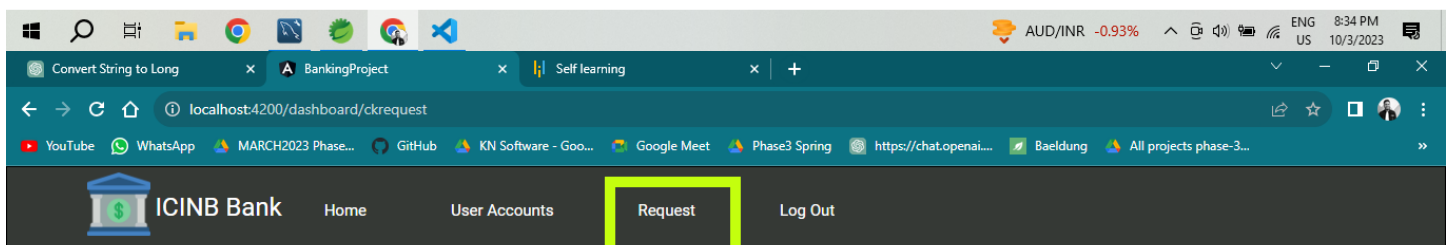
view Details ▸

Deposit

Go to Deposit ▸

Withdrawal

Go to Withdral ▸

Saving Balance   ₹0.00

view Details ▸
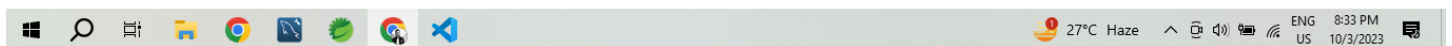
Activate Windows
Go to Settings to activate Windows.

ICINB Bank   Home   User Accounts   Request   Log Out

Check Book Request

Pending Request   **Approved Request**

UserID	UserName	AccountType	Description	Status	Action
53	aryan	Primary	i need check book	Pending	Approved

here admin is able to view and approve the request sent by users

Activate Windows
Go to Settings to activate Windows.

Link To GihHub

https://github.com/yash-m4/ICINbank.git

Note: For Admin Access, Open DATABASE and change the value in User Table,Column-role value to 1 (default value of role column in user table is 0,Please change it to 1 for admin Access)

```sql
1    select * from its_users
```

firstName	functionAccess	lastName	password	primaryaccountBalance	primaryaccountNumber	role	savingaccountBalance	savingacc
Yash	1	Mishra	Admin12@	0	2198414248	1	0	32457285
Aryan	1	Mishra	Aryan12@	119490	2983921085	0	19490	70057831
Gyanendra	1	Mishra	Gyan123@	500	6574608367	0	500	66647608
yash	1	mishra	Yash12345@	1000	4238755647	0	0	53618703
aryan	1	msiihra	Aryan12345@	500	5850609935	0	20000	49881351
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL