



**Sri Lanka Institute of Information Technology**

## **People's Bank Wave Application**

**User Experience Engineering  
Lab sheet 6**

**Group ID: 2021S1\_REG\_WE\_01**

Submitted by:

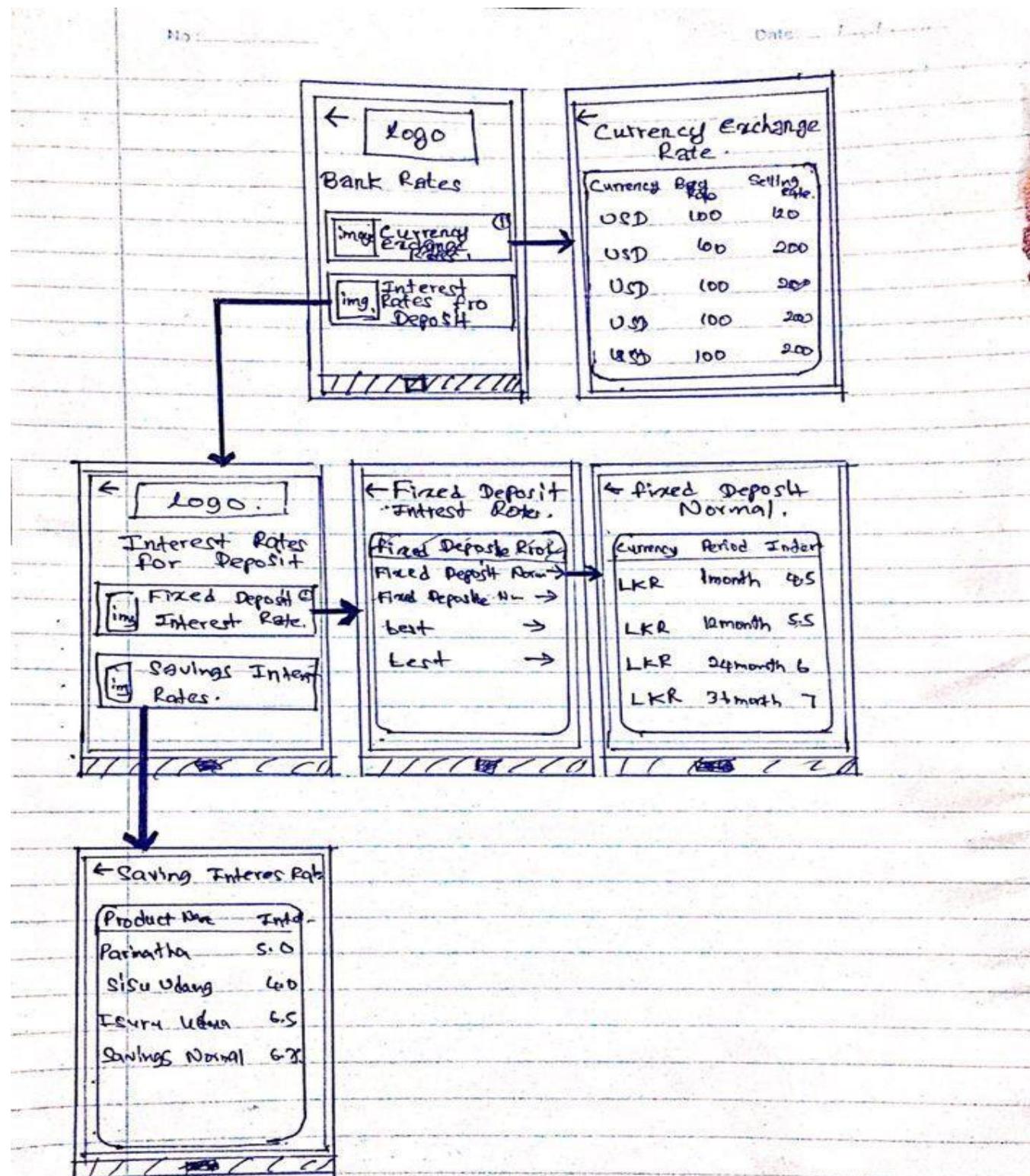
**IT19034478 - Hirusha K.A. G.  
IT19008424 - Weragoda W. R.J.M.  
IT19042152 - Madushan W. A.  
IT19043388 - Chathuranga S. J.**

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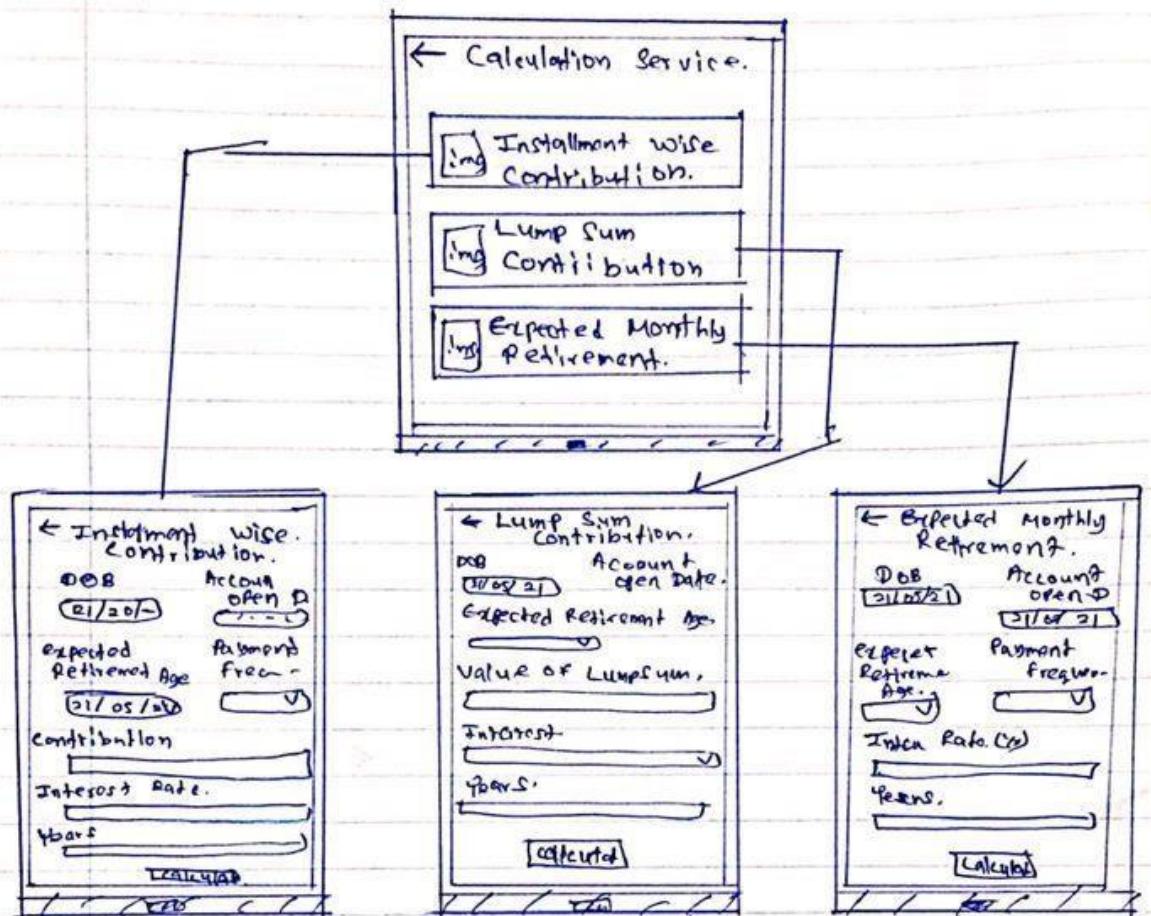
# 01. Sketches

01.HIRUSAHA K.A.G. (IT19034478)



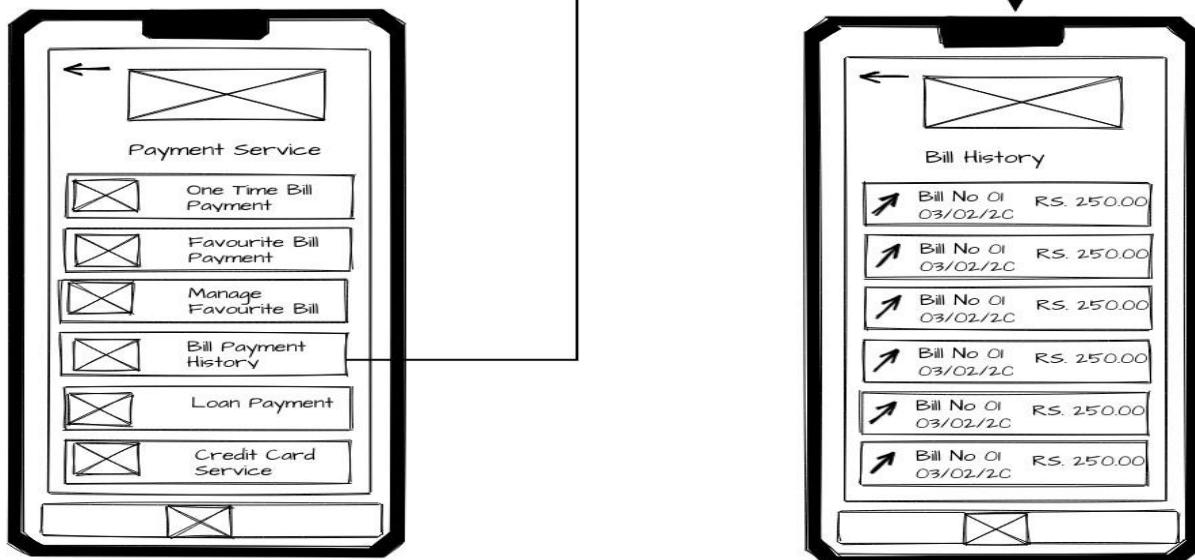


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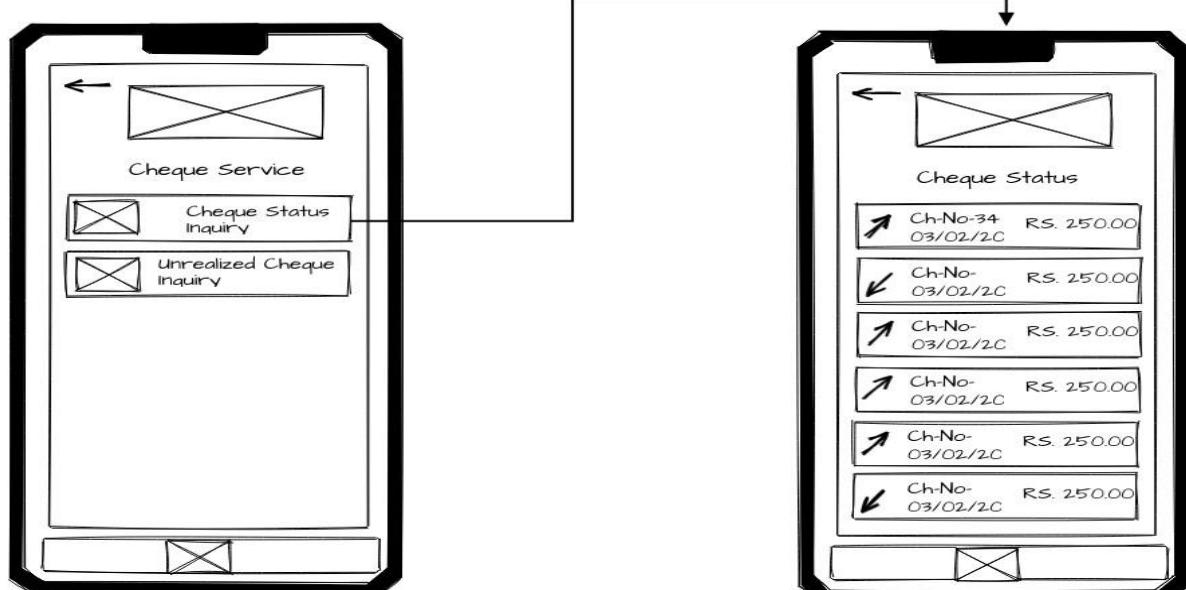


## 02.CHATHURANGA S.J. (IT19043388)

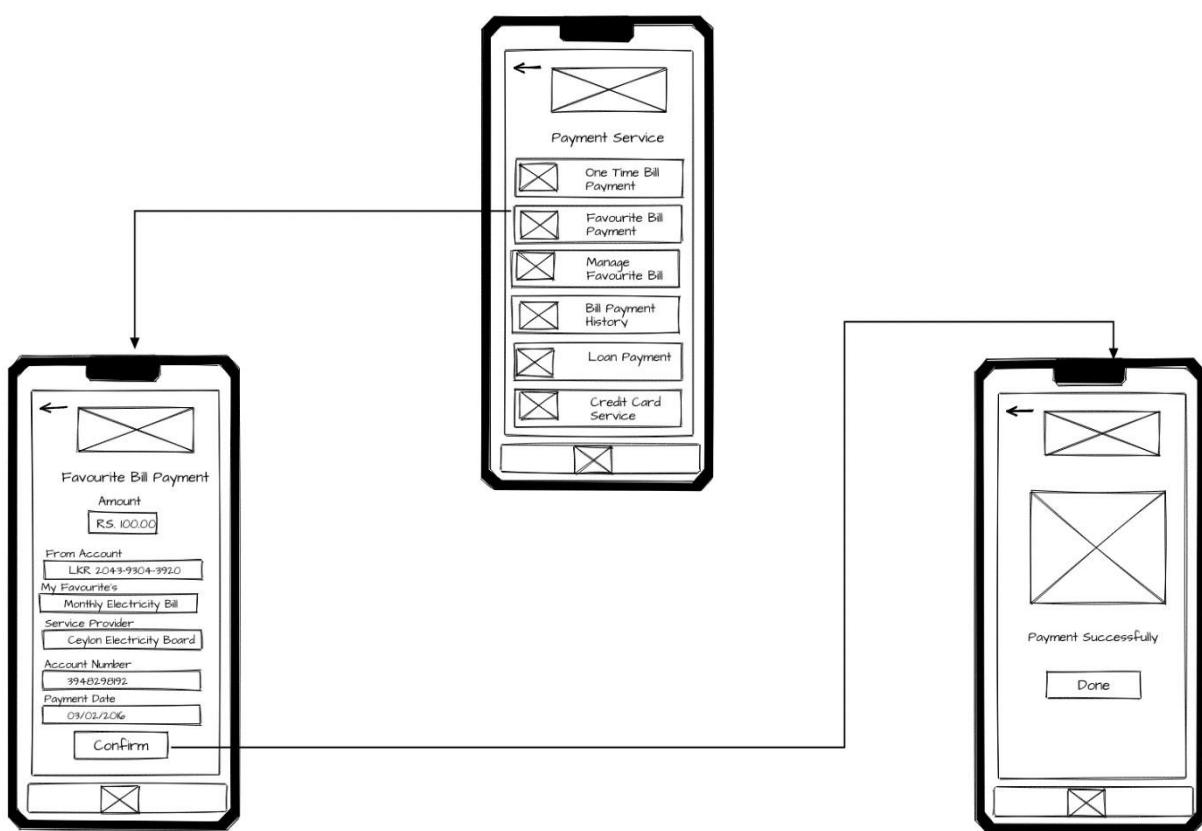
Bill History



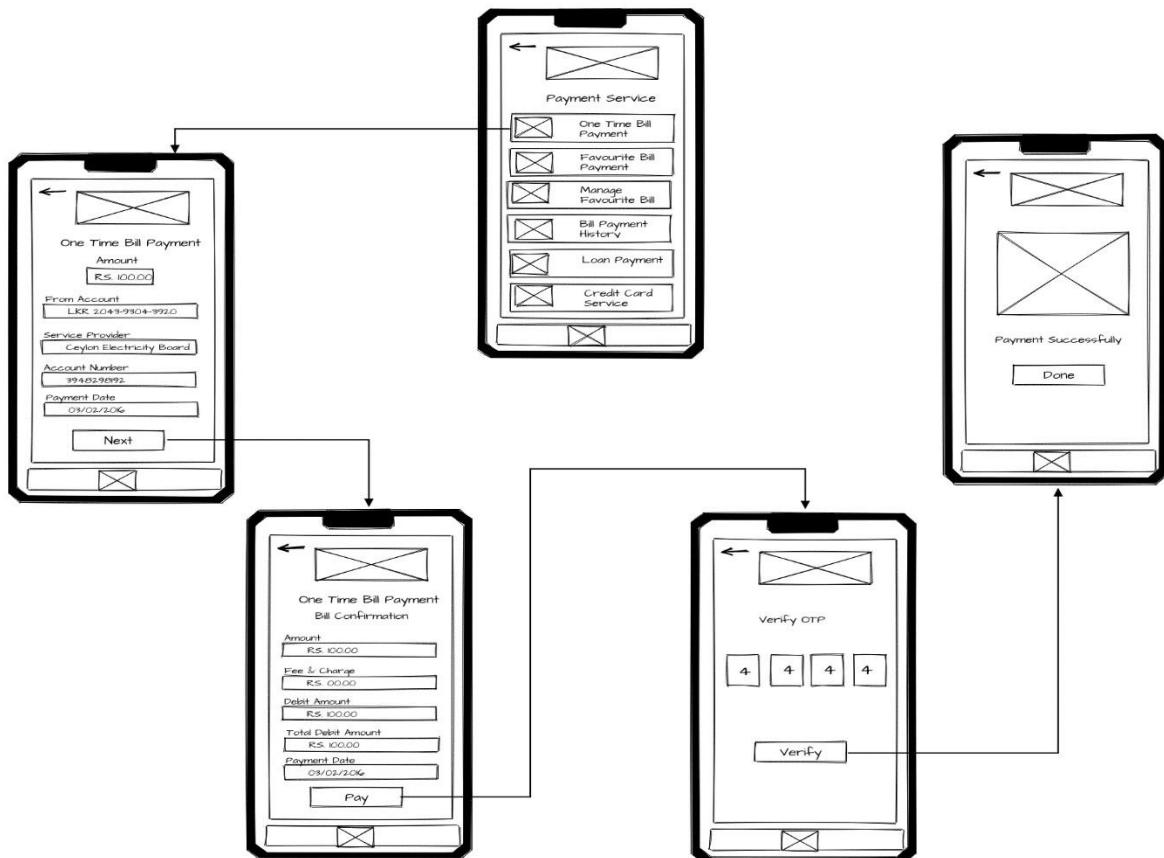
Cheque Service

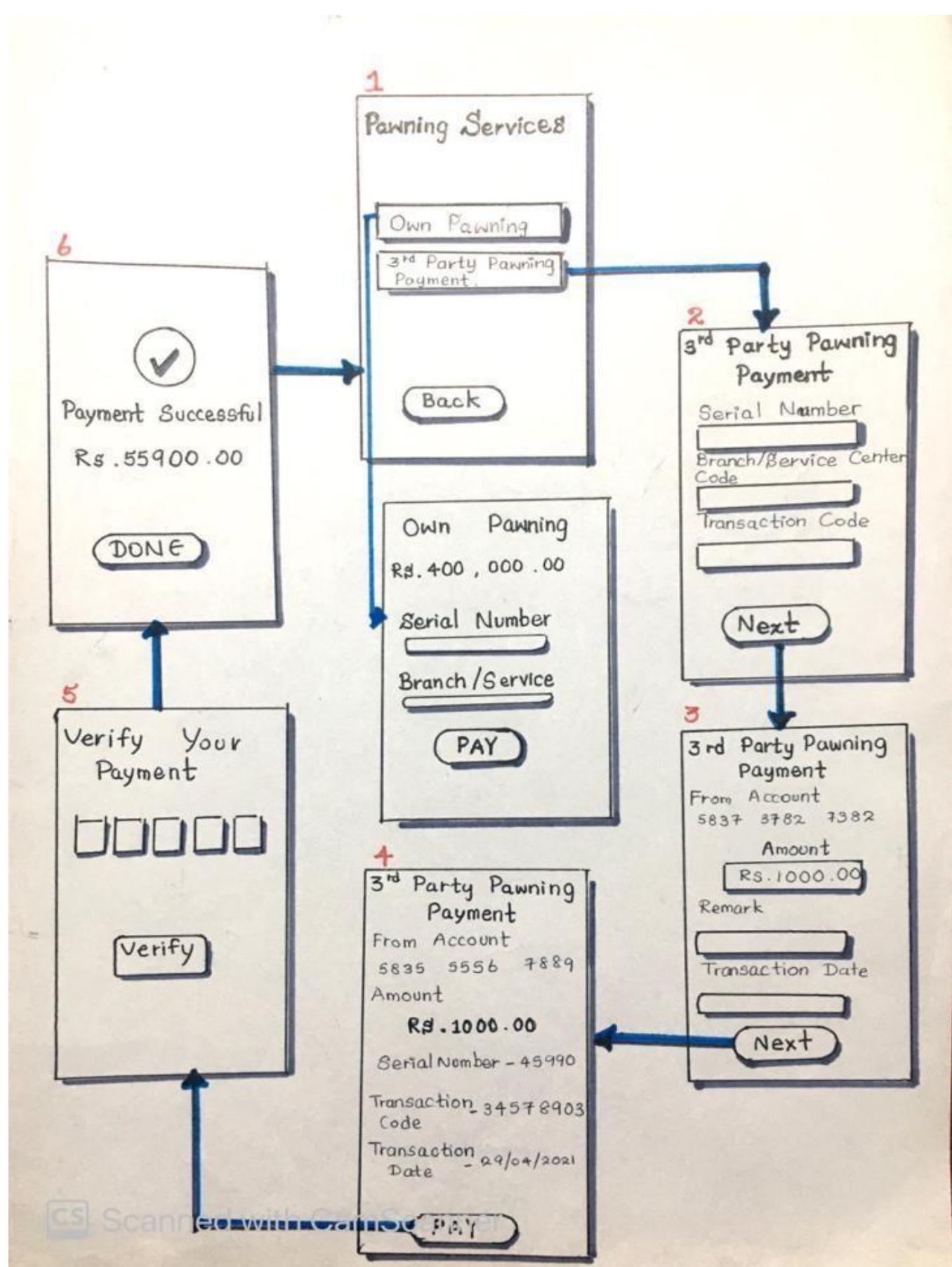


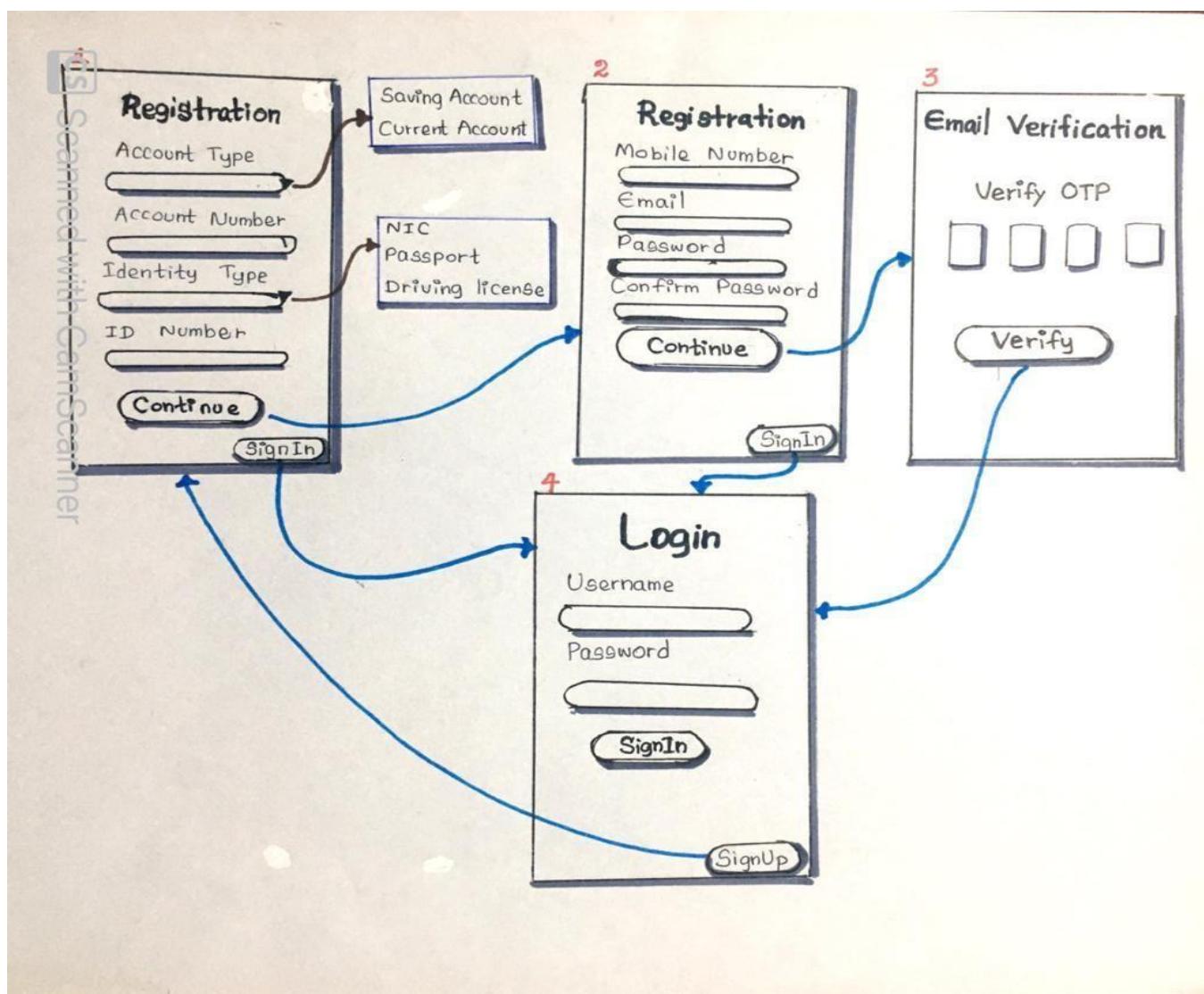
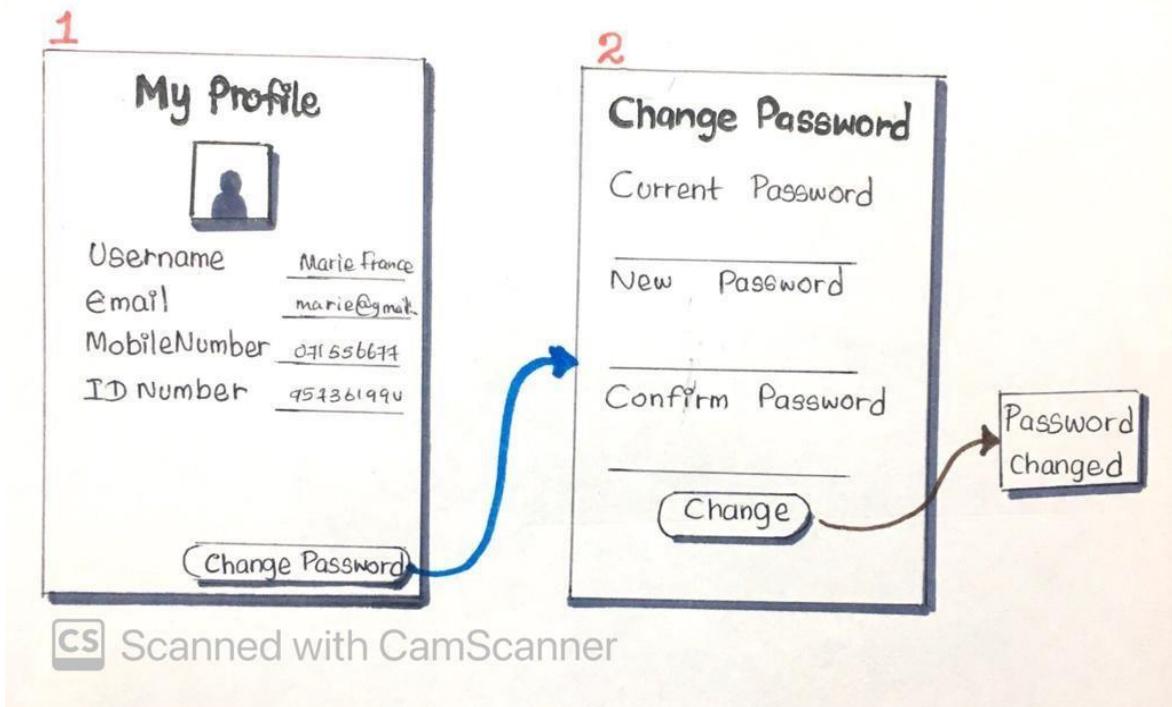
### Favourite Bill Payment



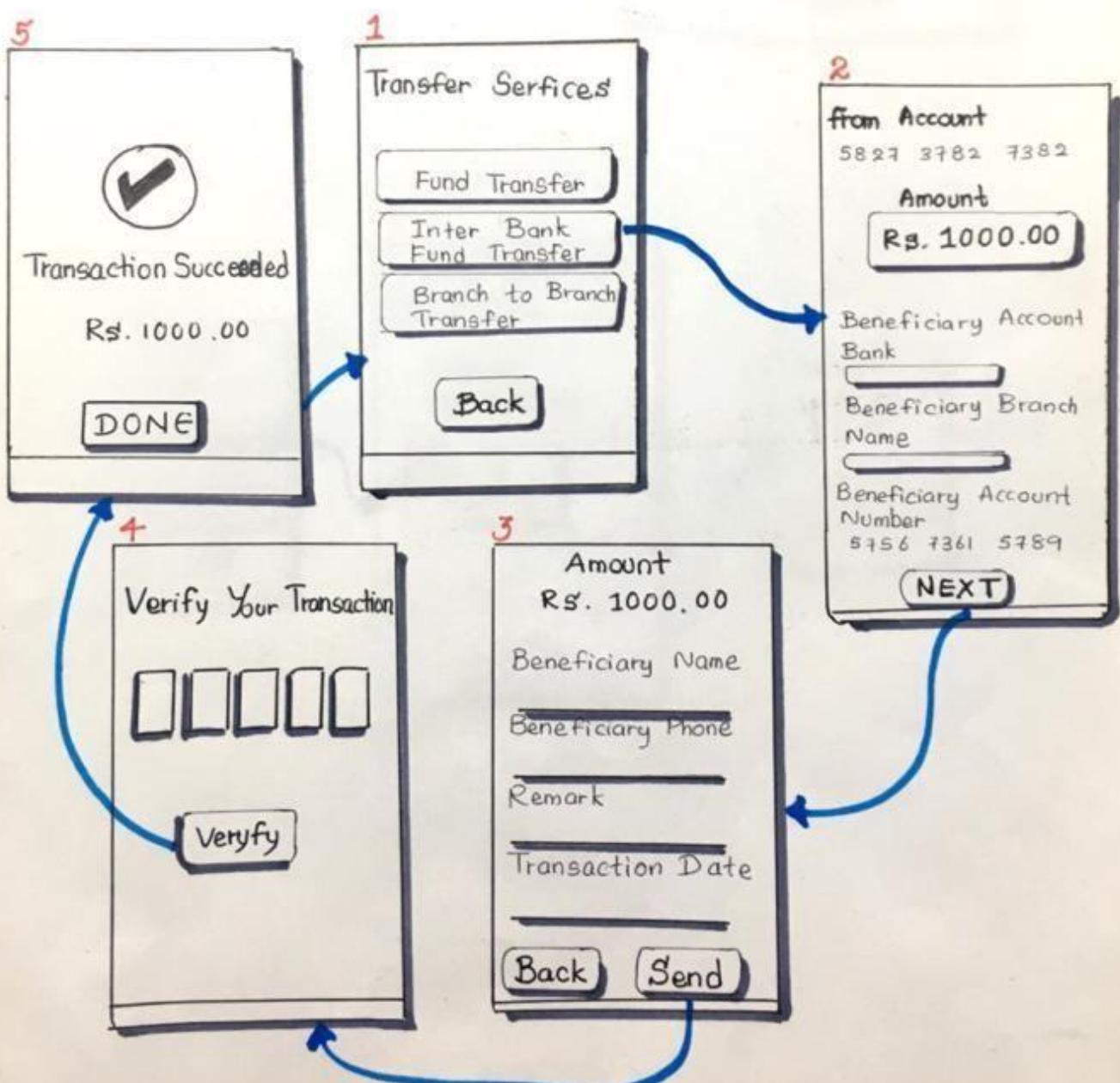
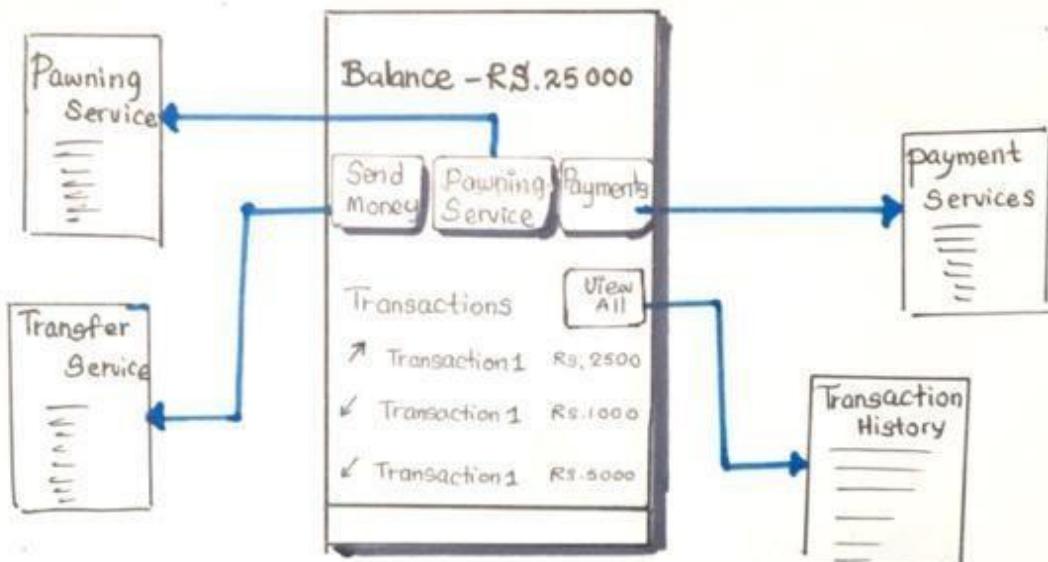
### One Time Bill Payment

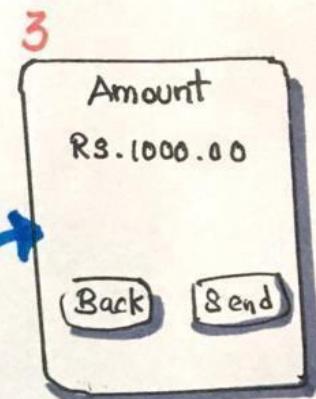
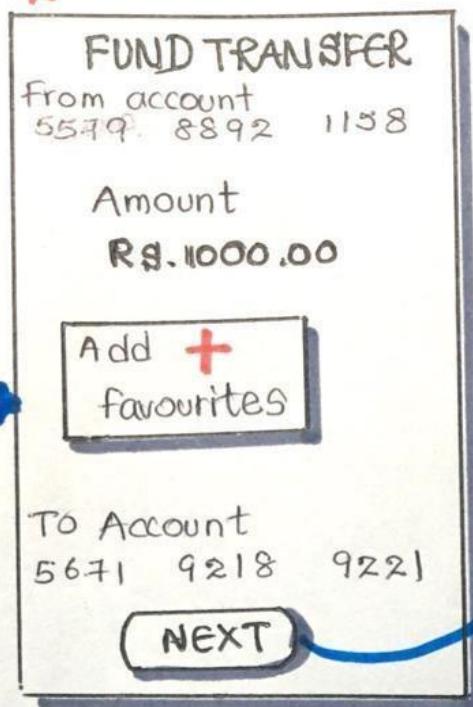




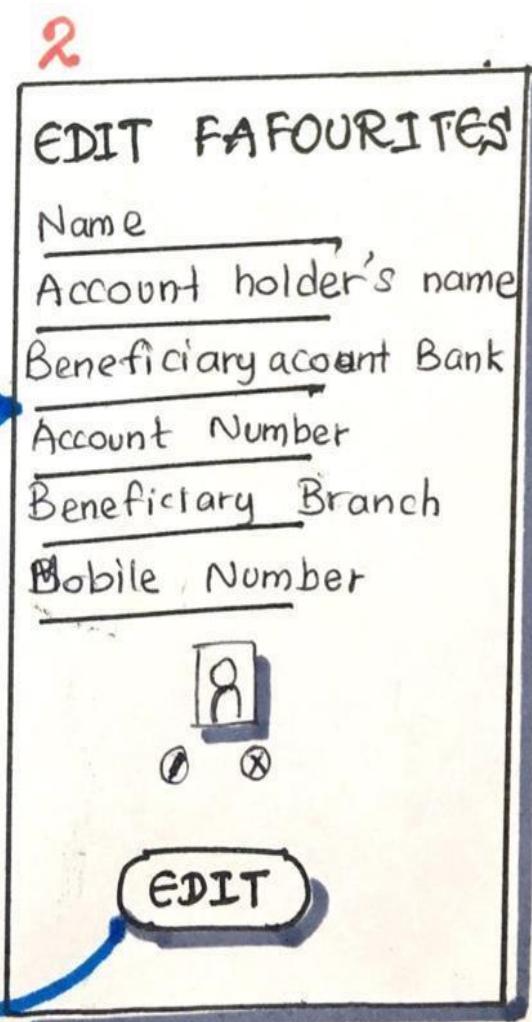
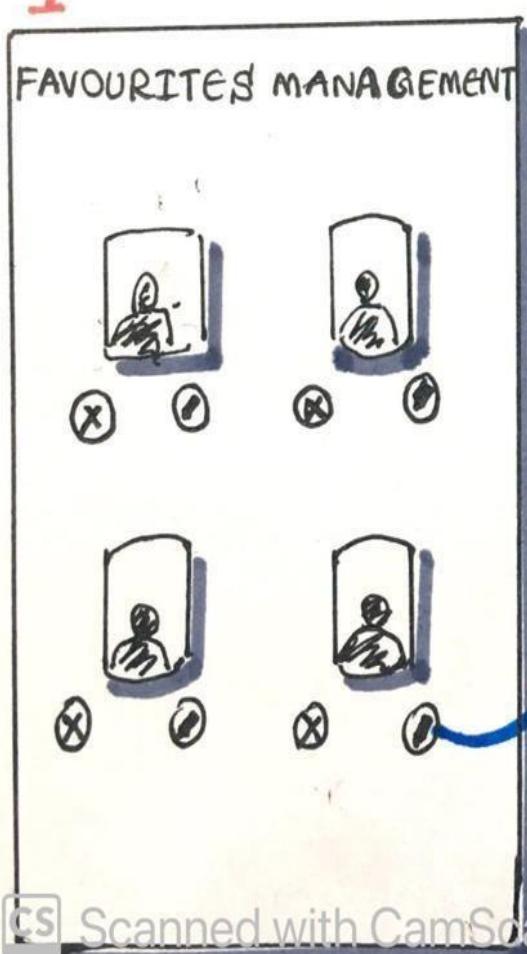


04.MADUSHAN W. A. (IT19042152)

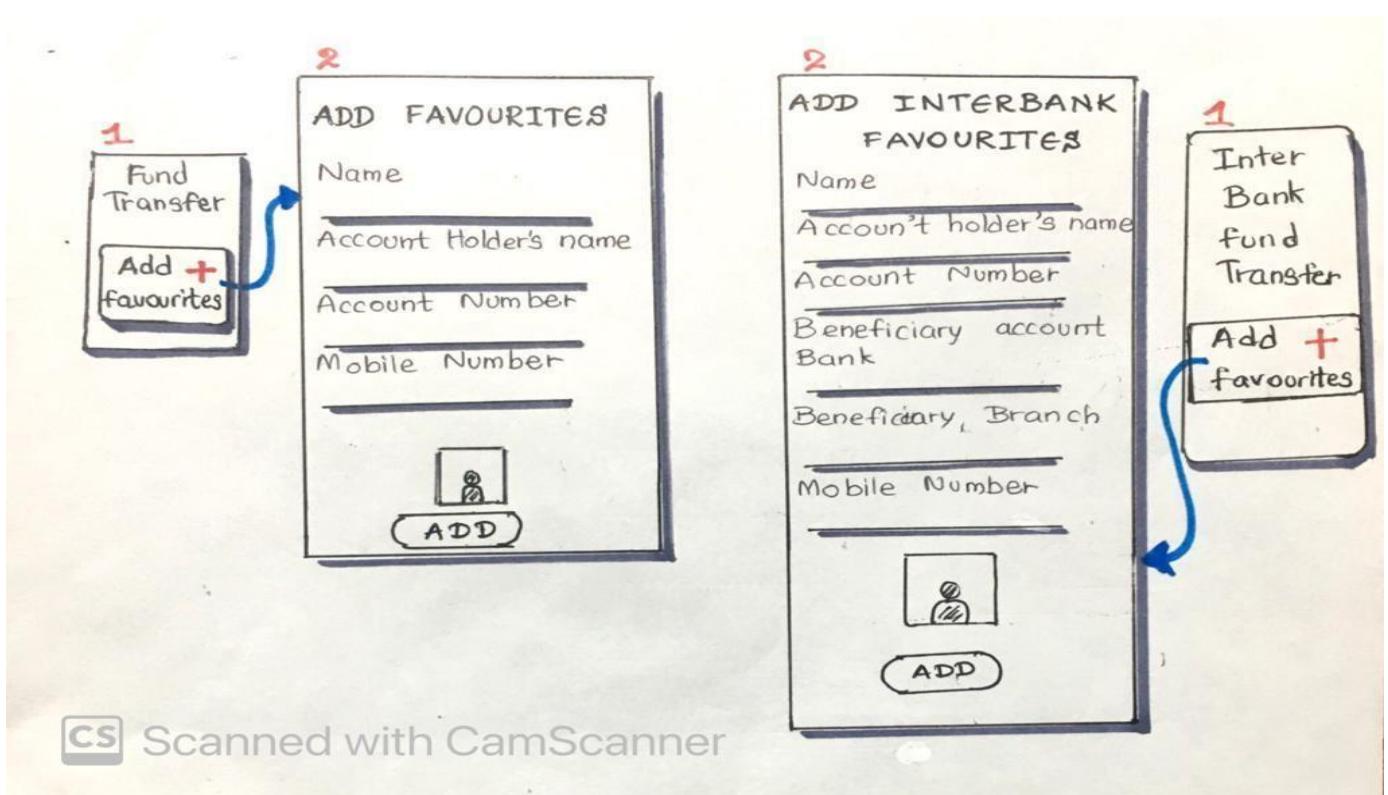




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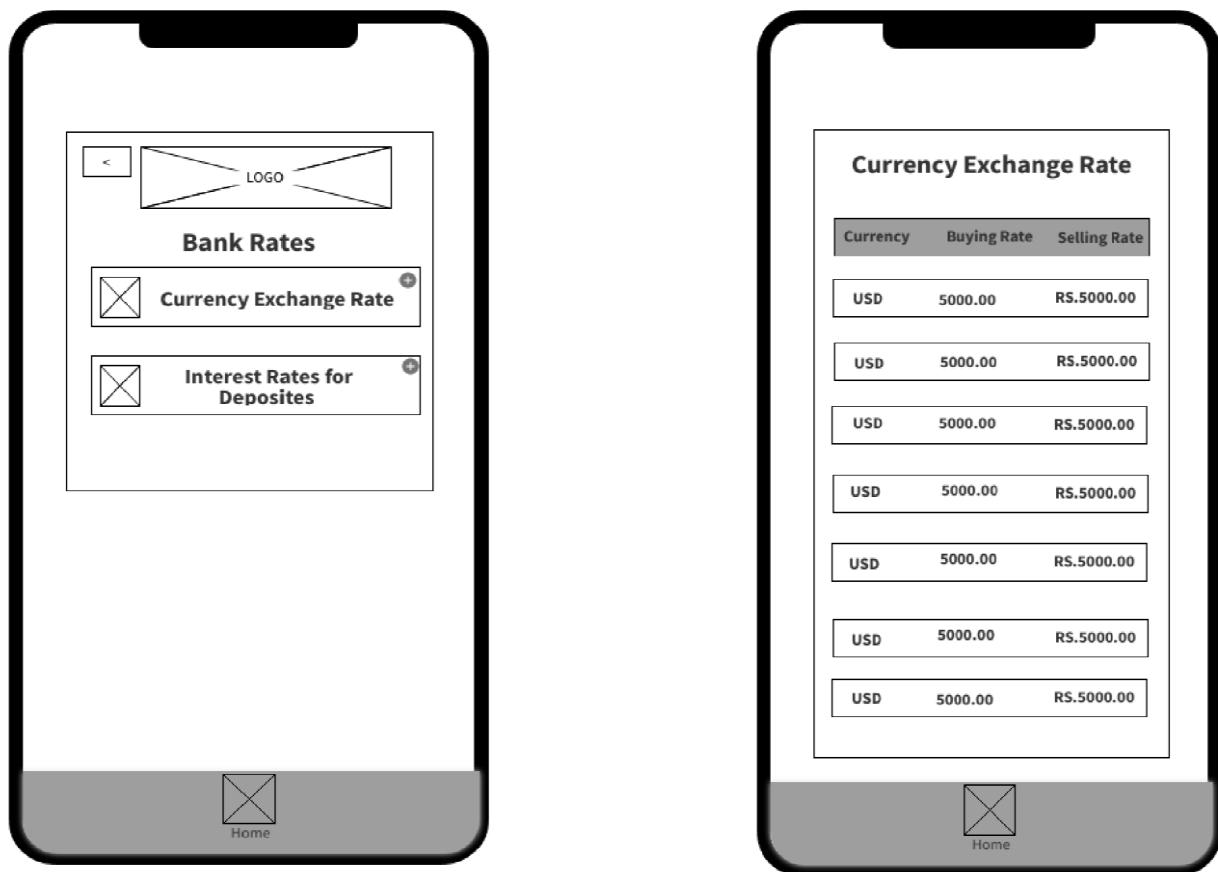


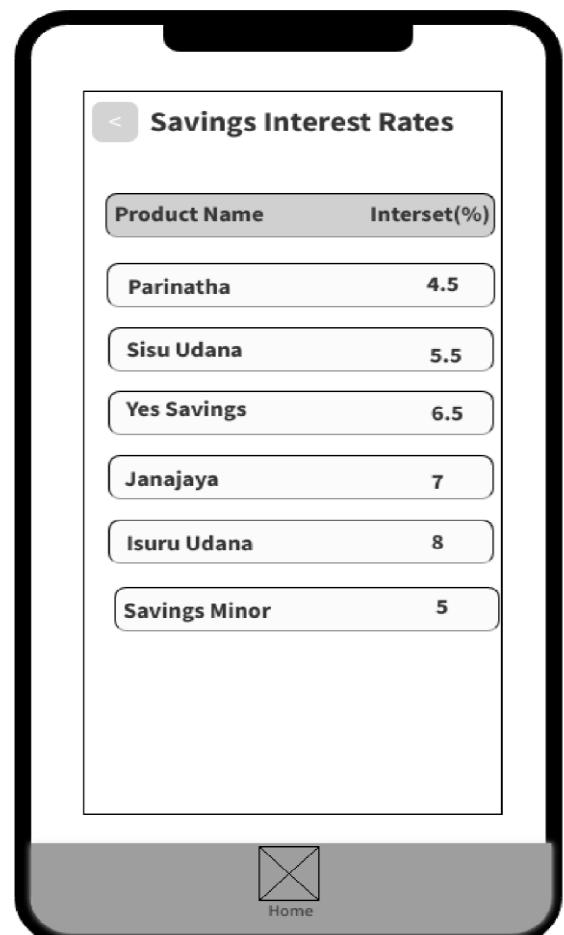
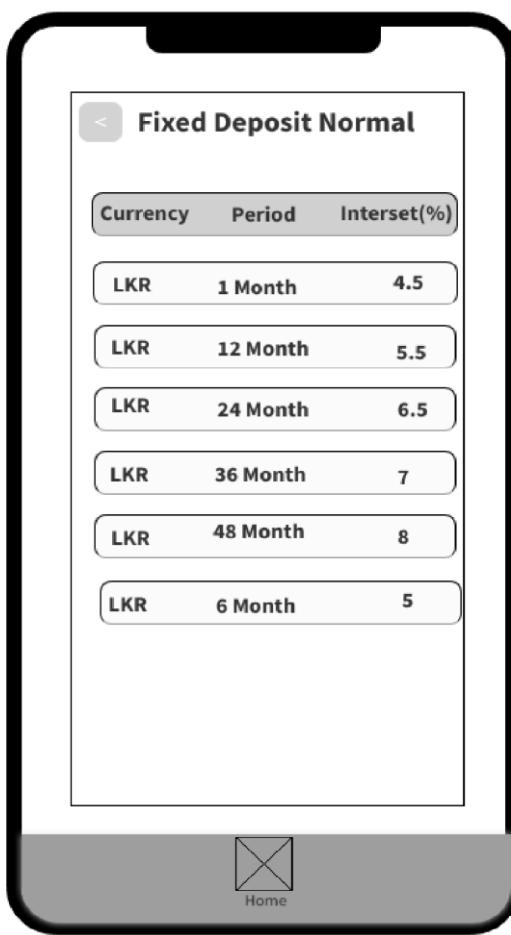
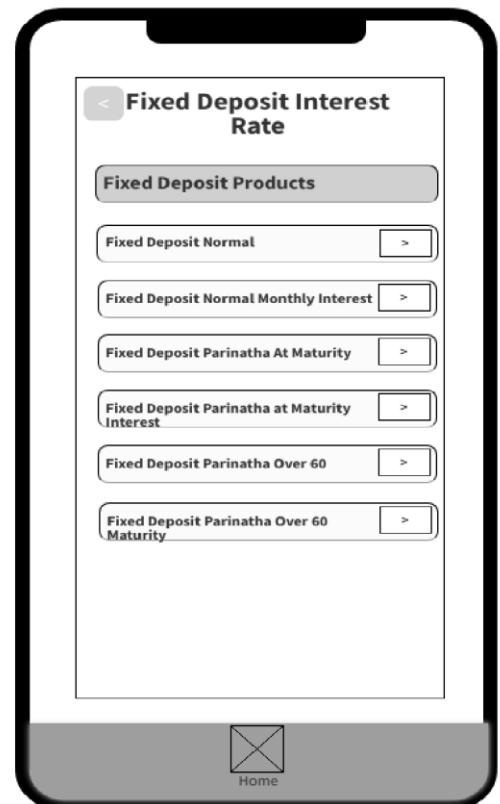
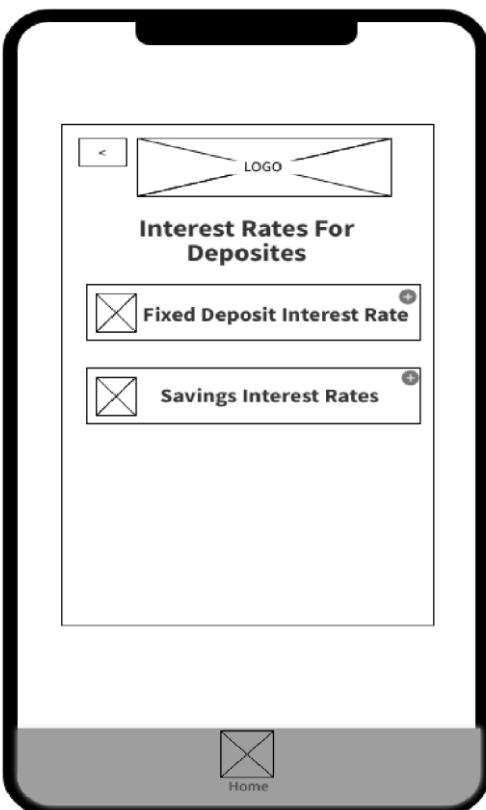
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## 02.Wireframes

1. HIRUSHA K.A.G. (IT19034478)





<

### Expected Monthly Retirement

Date of Birth      Account Open Date  
12 May      12 May

Expectation Retirement Age      Payment Frequency  
Select      Select

Contribution (RS.)

Interest Rate(%)

Expected Period(Years)  
Select

Retirement Benefits Interest Rate(%)

**CALCULATE**

Home

<

### Lump Sum Contribution

Date of Birth      Account Open Date  
12 May      12 May

Expectation Retirement Age  
Select

Value of Lumpsum (RS.)

Interest Rate(%)

Expected Retirement benefits Period(Years)  
Select

Retirement Benefits Interest Rate(%)

**CALCULATE**

Home

<

### Calculation Service

**Installment Wise Contribution**

**Lump Sum Contribution**

**Expected Monthly Retirement**

Home

<

### Installment Wise Contribution

Date of Birth      Account Open Date  
12 May      12 May

Expectation Retirement Age      Payment Frequency  
Select      Select

Contribution (RS.)

Interest Rate(%)

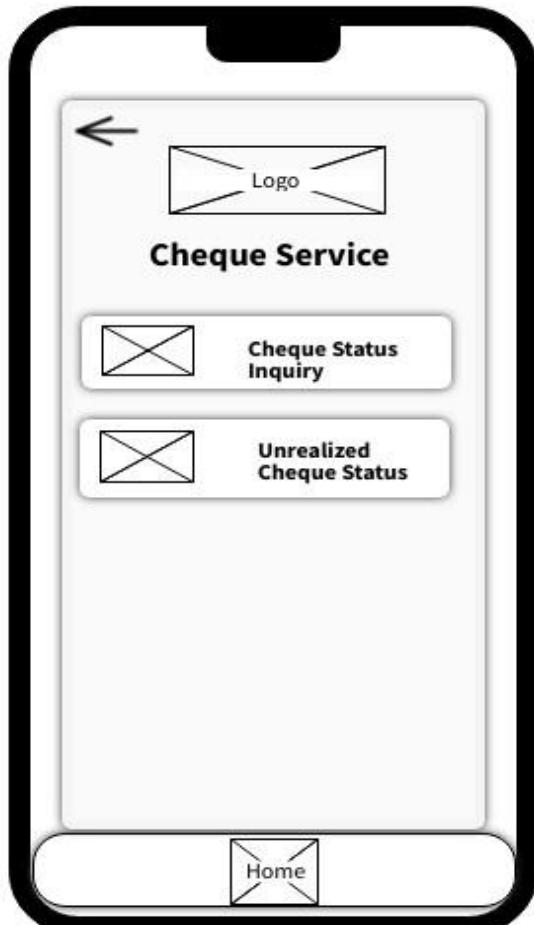
Expected Retirement Benefits Period(Years)  
Select

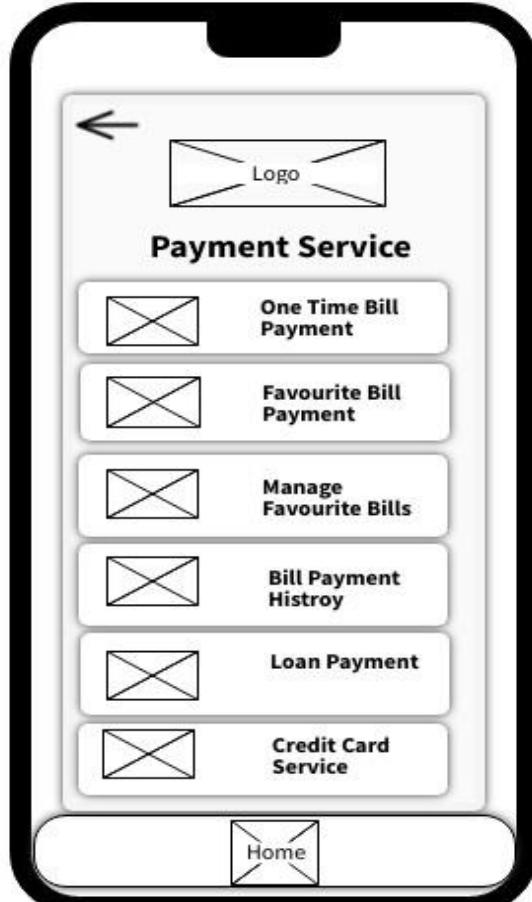
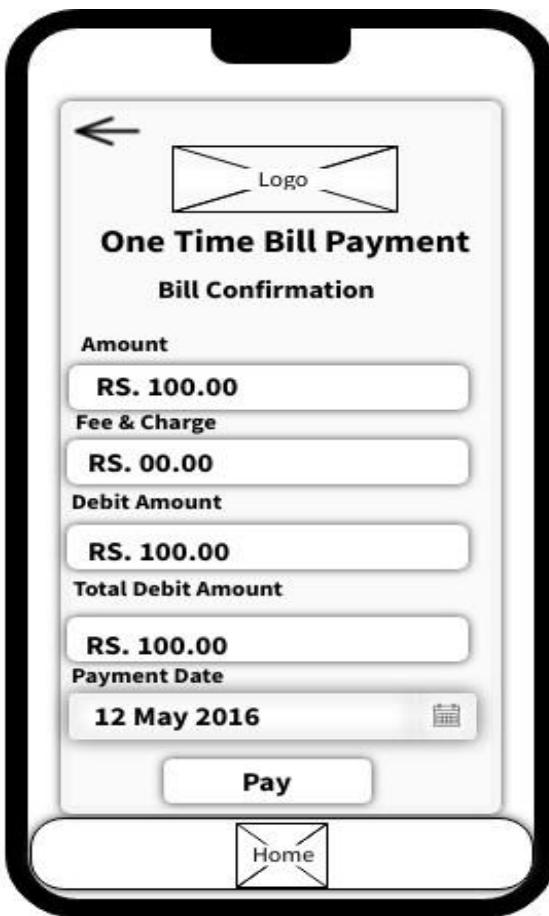
Retirement Benefits Interest Rate(%)

**CALCULATE**

Home

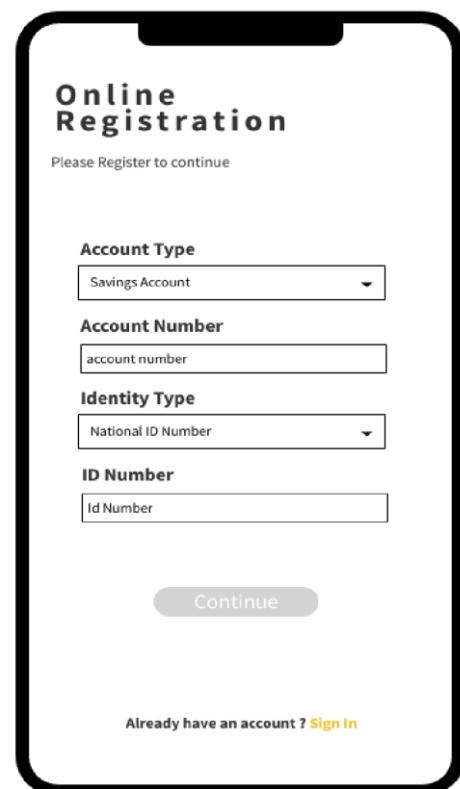
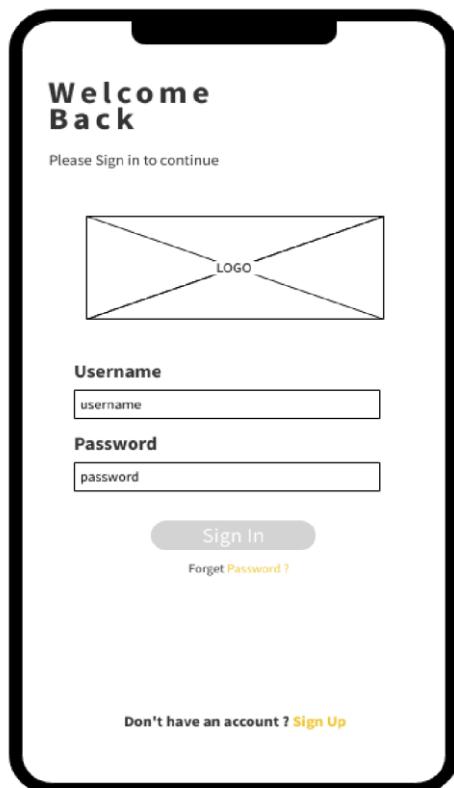
## 2. CHATHURANGA S.J. (IT19034478)

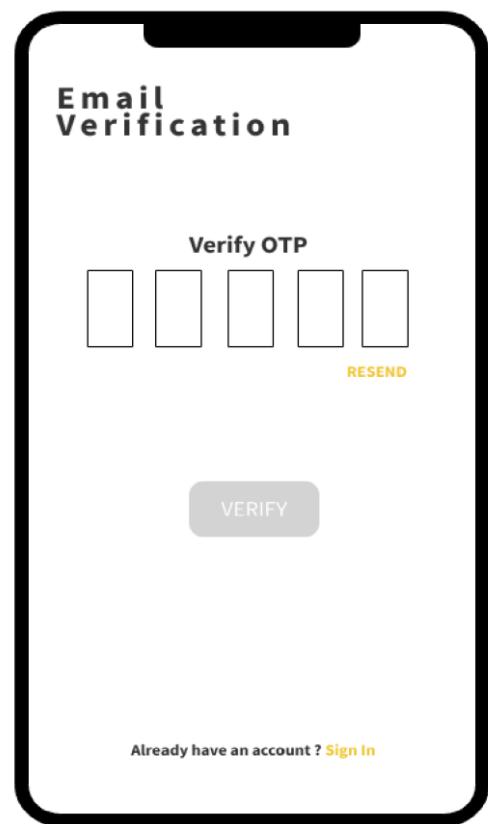






### 3. WERAGODA W.R.J.M. (IT19008424)





### Own Pawning

Pawning Amount  
**RS. 400,000.00**

Serial Number  
459087

Branch/Service Center Code  
459087

**PAY**

### Pawning Services

Own Pawning +

3rd Party Pawning Payment +

**BACK**

### 3rd Party Pawning Payment

Step 1 of 3

Serial Number \*  
serial number

Branch/Service Center Code \*  
centr code

Transaction Code \*  
transaction code

**NEXT**

### 3rd Party Pawning Payment

Step 2 of 3

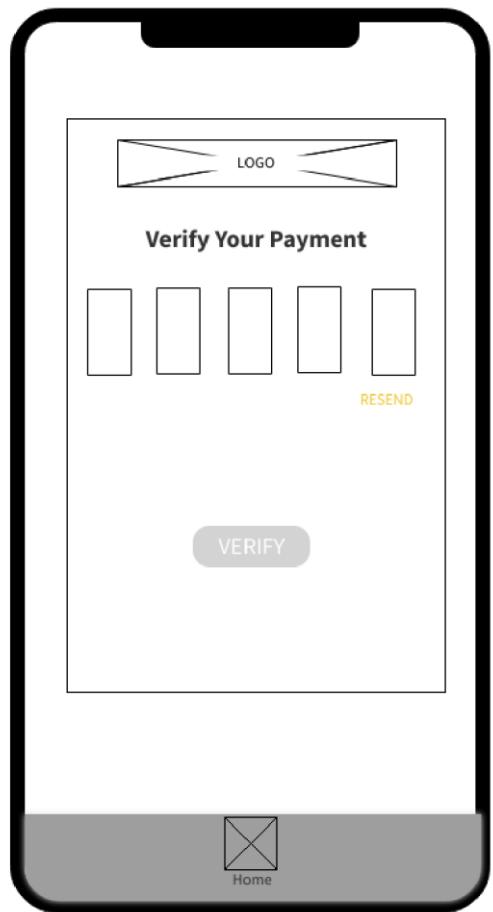
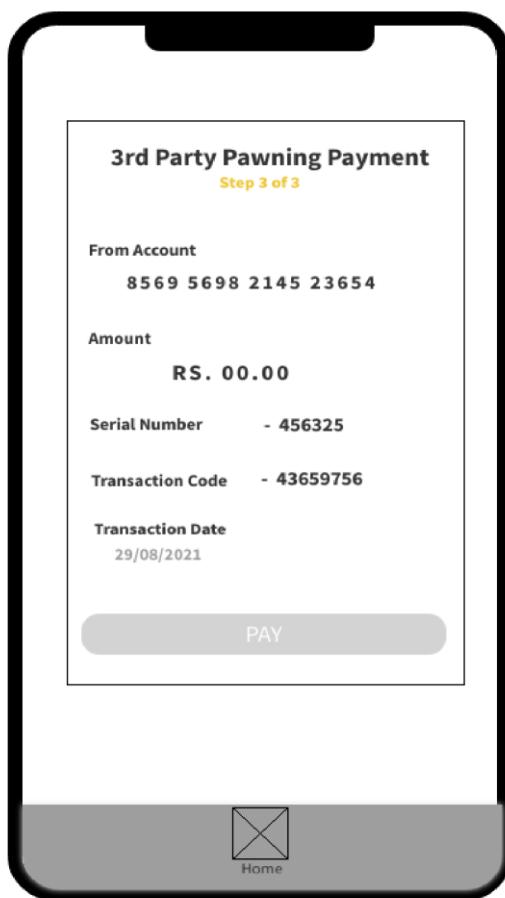
From Account  
5689 5469 2665 2355 2336

Amount  
RS. 00.00

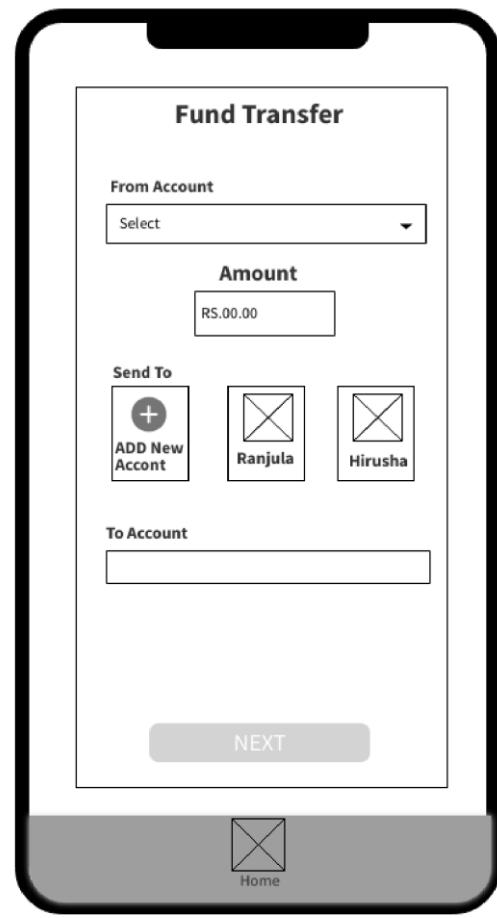
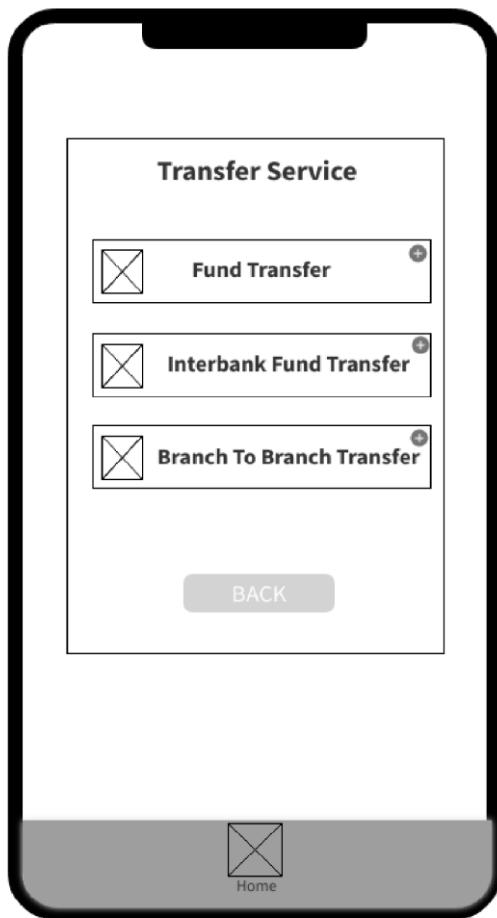
Remark  
remark

Transaction Date  
12 May 2016

**NEXT**



#### 4. MADUSHAN W.A. (IT19042152)



### Amount

**RS. 00.00**

From Account  
**5698 2365 1254 4785**

To Account  
**5698 2365 1254 4785**

Beneficiary Name

Beneficiary Mobile Number

Remark

Transaction Date  
12 May 2016

 Home

### Interbank Fund Transfer

From Account

Amount  
**RS.00.00**

Send To  
  Ranjula  Hirusha

Beneficiary Account Bank

Beneficiary Branch Name

Beneficiary Account Number

 Home

### Add Fund Transfer Favorites

Name

Account Holder's Name

Account Number

Mobile Number

 \*upload Image

 Home

### Edit Interbank Favorites

Name  
**GAGANA HIRUSHA**

Account Holder's Name  
**KA GAGANA HIRUSHA**

Account Number  
**5478 6985 2365 1254**

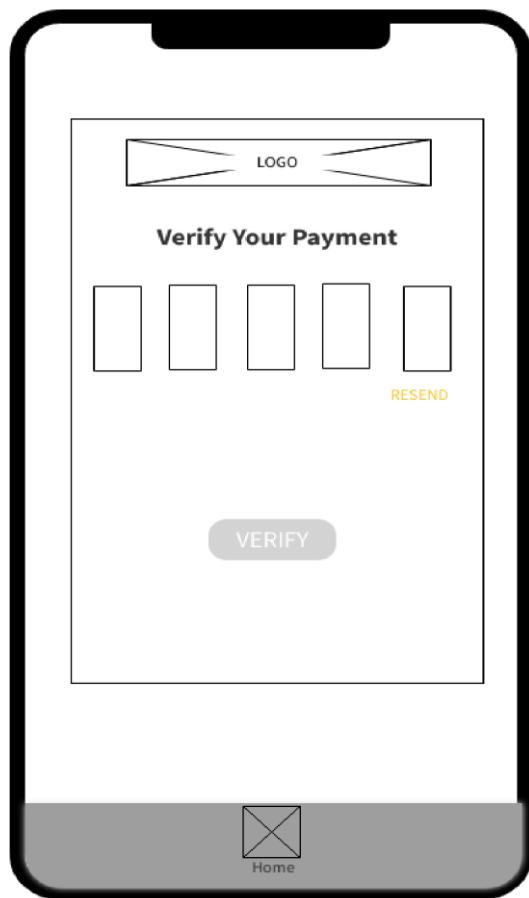
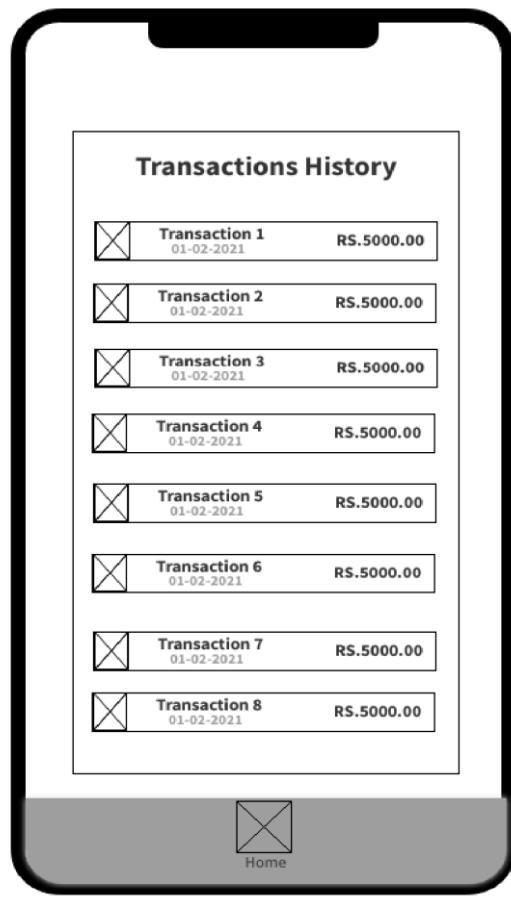
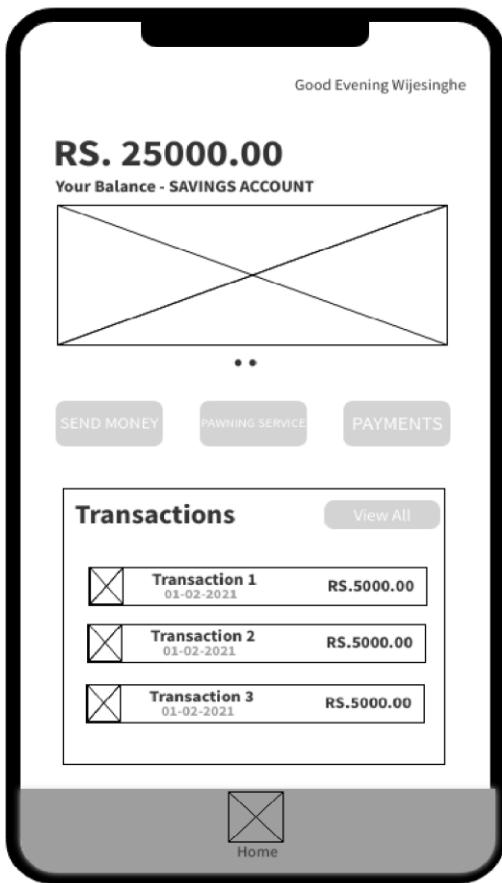
Beneficiary Account Bank

Beneficiary Branch Name

Mobile Number

 \*upload Image

 Home



## 03. Prototype(Version 1)

01.WERAGODA W.R.J.M(IT19008424)



### Online Registration

#### Username

username

#### Password

password

**Sign In**

Forgot Password ?

Dont have an account? [Sign up](#)

#### Mobile Number

mobile number

#### Email

Email

#### Password

password

#### Confirm Password

password

**Continue**

Already have an account? [Sign In](#)

### Online Registration

#### Account Type

Saving Account

#### Account Number

account number

#### Identity Type

National ID Number

#### ID Number

Id number

**Continue**

Already have an account? [Sign In](#)

### Email Verification

#### Verify OTP



**VERIFY**

### My Profile



Edit

Username Maneesha Weragoda

Email [maneesha@gmail.com](mailto:maneesha@gmail.com)

Mobile Number 0714356890

ID number 962389845V

**Change Password**

**Done**

### Reset Password

#### Current Password

#### New Password

#### Confirm Password



## Pawning Services



Own Pawning



3rd Party Pawning  
Payment

BACK

### Own Pawning

Pawning Amount RS. 400,000.00

#### Serial Number

4590867

#### Branch/Service Center Code

2386

PAY

### 3rd Party Pawning Payment

Serial Number \*

Branch/Service Center Code \*

Transaction Code \*

Next



### 3rd Party Pawning Payment

#### From Account

LKR 5837 3782 7382 8293

#### Amount

RS. 00.00

#### Remark

#### Transaction Date

DD/MM/YYYY

PAY



Payment Successful

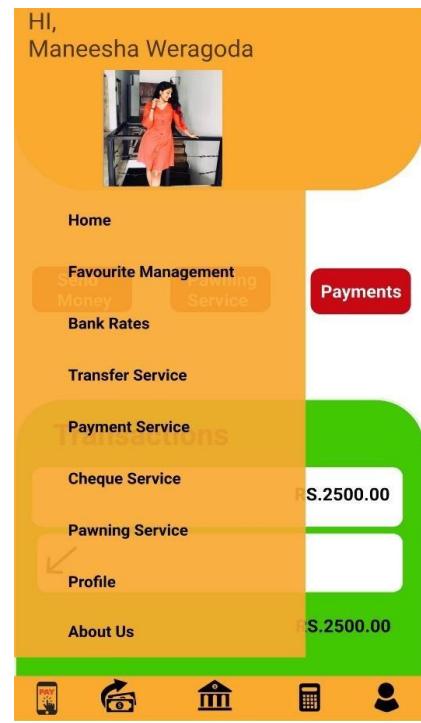
Done



## 02.MADUSHAN W.A. (IT19042152)



Send Money      Pawn Service      Payments



### Transfer Service



Fund Transfer



Interbank Fund Transfer



Branch To Branch Transfer

BACK

From Account

LKR 5837 3782 7382 8293

Amount

RS. 00.00

Send to



Ranjula  
Madushan



Ranjula  
Madushan

> ADD

To Account

LKR 5837 3782 7382 8293

NEXT

Amount RS. 00.00

From Account

LKR 5837 3782 7382 8293

TO

LKR 5837 3782 7382 8293

Beneficiary Name

Beneficiary mobile number

Remark

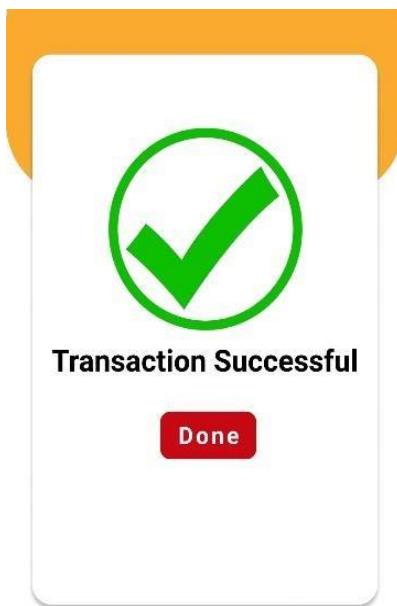
Transaction Date

DD/MM/YYYY

BACK

SEND





Transaction History		
→	Transaction 1 01-02-2021	RS.2500.00
←	Transaction 2 01-02-2021	RS.2500.00
→	Transaction 3 01-02-2021	RS.2500.00
→	Transaction 4 01-02-2021	RS.2500.00
→	Transaction 5 01-02-2021	RS.2500.00
→	Transaction 6 01-02-2021	RS.2500.00
→	Transaction 7 01-02-2021	RS.2500.00
←	Transaction 8 01-02-2021	RS.2500.00

From Account  
LKR 5837 3782 7382 8293

Amount  
RS. 00.00

Send to

Ranjula Madushan

Ranjula Madushan

ADD

Beneficiary Account Bank

Beneficiary Branch Name

Beneficiary Account Number  
LKR 5837 3782 7382 8293

NEXT



ADD FUND TRANSFER FAVORITES

Name

Account Holder's Name

Account Number  
LKR 5837 3782 7382 8293

Mobile Number

\*Upload profile image

ADD



EDIT INTERBANK FAVORITES

Name  
Ranjula Wijesinghe

Account Holder's Name  
W A Madushan

Account Number  
LKR 5837 3782 7382 8293

Account Bank

Branch Name

Mobile Number

\*Upload profile image

DONE



03.CHATHURANGA S.J. (IT19034478)

**Payment Service**

- One Time Bill Payemnt
- Favourite Bill Payment
- Manage Favourite Bills
- Bill Payment Histroy
- Loan Payment
- Credit Card Service

**Cheque Service**

- Cheque Status Inquiry
- Unrealized Cheque Inquiry

**Manage Favourite Bills**

Service provider	CEYLON ELECTRICITY BOARD
Payee Description	Monthly Electricity bill payment
Account Number	4002006748

Service provider	CEYLON ELECTRICITY BOARD
Payee Description	Monthly Electricity bill payment
Account Number	4002006748

**Add New Payee**

**Favourite Bill Payment**

Amount  
**RS. 100.00**

From Account  
LKR 5837 3782 7382 8293

My Favourite s  
Monthly ELECTRICITY BILL ....

Service Provider  
CEYLON ELECTRICITY BOARD

Account Number  
4003887834

Payment Date  
06/09/2021

**Confirm**

**One Time Bill Payment**

Amount  
**RS. 100.00**

From Account  
LKR 5837 3782 7382 8293

Service Provider  
CEYLON ELECTRICITY BOARD

Account Number  
4003887834

Payment Date  
06/09/2021

**Next**

**One Time Bill Payment**

**Bill Confirmation**

Amount  
**RS. 100.00**

Fee & charges  
**RS. 0,00**

Debit Amount  
**RS. 100.00**

Total Debit Amount  
**RS. 100.00**

Payment Date  
06/09/2021

**Pay**

### Manage Favourite Bill

Service Provider  
CEYLON ELECTRICITY BOARD

Payee Description  
Monthly Electricity Bill  
Payment.

Account Number  
4003887834

EDIT

DELETE

### Add Favourite Bill

#### Bill Confirmation

Service Provider  
CEYLON ELECTRICITY BOARD

Payee Description  
Monthly Electricity Bill  
Payment.

Account Number  
4003887834

Request OTP

### Delete Favourite Bill

#### Bill Confirmation

Service Provider  
CEYLON ELECTRICITY BOARD

Payee Description  
Monthly Electricity Bill  
Payment.

Account Number  
4003887834

Request OTP

### Cheque Status

- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021

### Bill Payment History

- ↗ Bill Number 01 RS.2500.00  
01-02-2021
- ↗ Bill Number 02 RS.2500.00  
01-02-2021
- ↗ Bill Number 03 RS.2500.00  
01-02-2021
- ↗ Bill Number 04 RS.2500.00  
01-02-2021
- ↗ Bill Number 05 RS.2500.00  
01-02-2021
- ↗ Bill Number 06 RS.2500.00  
01-02-2021
- ↗ Bill Number 07 RS.2500.00  
01-02-2021
- ↗ Bill Number 08 RS.2500.00  
01-02-2021

### Verify OTP

4 4 4 4 4

RESEND

VERIFY

### Manage Favourite Bill

Service Provider  
CEYLON ELECTRICITY BOARD

Payee Description  
Monthly Electricity Bill  
Payment.

Account Number  
4003887834

EDIT

DELETE

### Add Favourite Bill

#### Bill Confirmation

Service Provider  
CEYLON ELECTRICITY BOARD

Payee Description  
Monthly Electricity Bill  
Payment.

Account Number  
4003887834

Request OTP

### Delete Favourite Bill

#### Bill Confirmation

Service Provider  
CEYLON ELECTRICITY BOARD

Payee Description  
Monthly Electricity Bill  
Payment.

Account Number  
4003887834

Request OTP

### Cheque Status

- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↗ Ch-No. 204567 RS.2500.00  
01-02-2021
- ↖ Ch-No. 204567 RS.2500.00  
01-02-2021

### Bill Payment History

- ↗ Bill Number 01 RS.2500.00  
01-02-2021
- ↗ Bill Number 02 RS.2500.00  
01-02-2021
- ↗ Bill Number 03 RS.2500.00  
01-02-2021
- ↗ Bill Number 04 RS.2500.00  
01-02-2021
- ↗ Bill Number 05 RS.2500.00  
01-02-2021
- ↗ Bill Number 06 RS.2500.00  
01-02-2021
- ↗ Bill Number 07 RS.2500.00  
01-02-2021
- ↗ Bill Number 08 RS.2500.00  
01-02-2021

### Verify OTP

4 4 4 4 4

RESEND

VERIFY

## 04. HIRUSAHA K.A.G. (IT19034478)

### Saving Interest Rates

Product Name	Interest (%)
Parintha	5.00
Sisu Udana	4.00
Yes Savings	6.50
Janajaya	5.0
Savings Normal	6.75
Isuru Udana	7.0
Saving Minor	5.25

### Fixed Deposit Interest Rate

#### Fixed Deposit Products

- Fixed Deposit Normal
- Fixed Deposit Normal Monthly Interest
- Fixed Deposit Parinatha At Maturity
- Fixed Deposit Parinatha At Maturity Interst
- Fixed Deposit Parinatha Over 60-INT.Monthly
- Fixed Deposit Parinatha Over 60-Maturity

### Bank Rates



Currency Exchange Rate



Interest Rates For Savings



### Installment Wise Contribution

Date of Birth	Account Open Date
06/09/2021	06/09/2021
Expected Retirement Age	Payment Frequency
▼	▼
Contribution (Rs .)	
Interest Rate(%)	
Expected Retirement Benefits Period (Years)	▼
Retirement Benefits Interest Rate(%)	

**CALCULATE**

### Calculation Service



Installment Wise Contribution



Lump Sum Contribution



Expected Monthly Retirement

### Currency Exchange Rate

Currency	Buying Rate	Selling Rate
AED	53.9047	54.9937
AUD	144.8235	150.7407
BHD	525.6785	530.3772
CAD	53.9047	54.9937
CHF	215.0573	221.875
CNY	53.9047	54.9937
DKK	31.2475	32.4255



**Interest Rates For Deposits**

- Fixed Deposit Interest Rate**
- Savings Interest Rates**

**Lum Sum Contribution**

- Date of Birth: 06/09/2021
- Account Open Date: 06/09/2021
- Expected Retirement Age:
- Value of Lumpsum (Rs .):
- Interest Rate(%):
- Expected Retirement Benefits Period (Years):
- Retirement Benefits Interest Rate(%):

**Expected Monthly Retirement**

- Date of Birth: 06/09/2021
- Account Open Date: 06/09/2021
- Expected Retirement Age:
- Payment Frequency:
- Expected Monthly Retirement Benefits (Rs .):
- Interest Rate(%):
- Expected Period (Years):
- Retirement Benefits Interest Rate(%):

**CALCULATE**

**CALCULATE**

Bottom navigation icons: Pay, Wallet, Bank, Calculator, Profile.

## 04. Prototype(Version 1) – Git hub link

<https://www.figma.com/file/CaXT53updETtl8k7LUXt7F/Version-1?node-id=0%3A1>

## 05. User Testing Script.

Maneesha

Hi Mr. Vinuka / Miss. Malee, thank you again for taking the time to participate in this survey.

Before we begin, I'm going to give you a brief overview of the test and how it will work.

This session is pretty straightforward - I'll be giving you a broad task to complete and then asking questions as we go along.

It's really important to know that we are only testing the system, not you. You can't do or say anything wrong here. Please feel free to let me know at any time if there's something you like, dislike, if you're confused or else. I promise you won't hurt my

feelings.

Also, I'd like you to "think aloud" as much as possible. By that I mean that I'd like you to speak your thoughts as often as you can. For example, you may be looking at a page, suddenly see something you didn't see before and want to click on it. In that case, saying something like "this caught my eye so I'm going to see what it is" would be very useful.

If at any point you have questions, please don't hesitate to ask. Do you have any questions so far?

- No

Ok, Let's get started.

### Maneesha

01.What do you think about these login, registration, and email verification pages?

- I think these pages have kind of a dull look; they are not colourful.  
And the email verification page should have OTP resend option, I think.

02.Okay, now check the user profile page. Are you okay with it?

- Its fine for me.

03.Are you satisfied with the change password pages?

- These headings have very small font sizes. I think they should be bigger than this.

04.Now can you check the pawning service prototypes?

Is it looking good or is there anything to improve?

- In the third-party pawning service, I can't see any summary of third-party payment details.

Okay Thank you!! , Ranjula....

## Ranjula

Thank you Maneesha,

01. Okay Vinuka / Malee, now check the fund transfer, inter-bank fund transfer and branch to branch transfer pages....

What do you think about them?

- These headings also have very small font sizes. I think they should be bigger than this.  
Also, I can't understand this add button is for what? It doesn't give any idea.

02. Are you satisfied with the favourite management, add favourites, and add interbank favourites pages?

- Yeah....they look good.

03. Now can you check the home page and transaction history prototypes?  
Is it looking good or is there anything to improve?

- Here I can't understand these transactions are outgoing or incoming.  
Everything in black and white.  
And the Home page also lack of details.

Okay Thank you!! , Hirusha....

## Hirusha

Thank you Ranjula.

01. Can you please check the pension calculation service?  
Are you satisfied with these User Interfaces?

- Here, Input fields should be improved.

02. What do you think about the banking rates service?

- In this banking rates service it's not indicating the market flow. I think it's a must.

Okay Thank you!! , Janith....

### Janith

Thank you Hirusha.

01. Okay Vinuka/Malee, can you explain what kind of opinion do you have about the bill payment service ?

- Here the Payment successful message does not contain payment details. It will be better if they were added, and button colours also should be changed on bill payment page, an also overall, the whole part is good.

02. Okay, are you satisfied with the cheque service?

- Yeah.....it's nice. I have no issues with it.

### Maneesha

01. How do you feel about the whole system? What's the overall idea? Is it better than the existing Wave App or not?

- Actually, It's very good than the existing one. You guys have done a great work. I think it has very few things to improve.

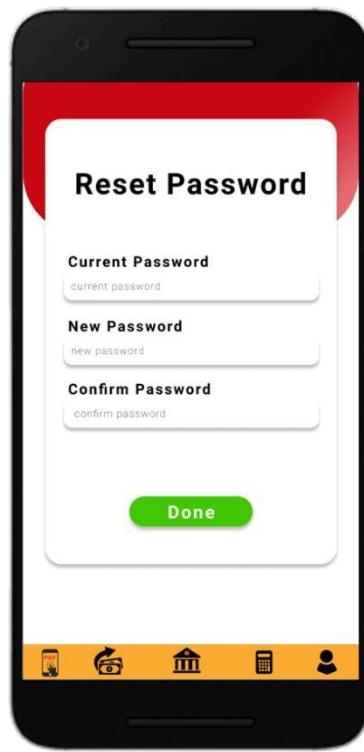
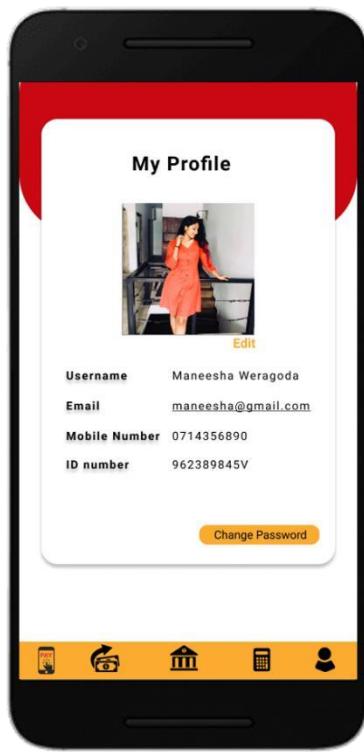
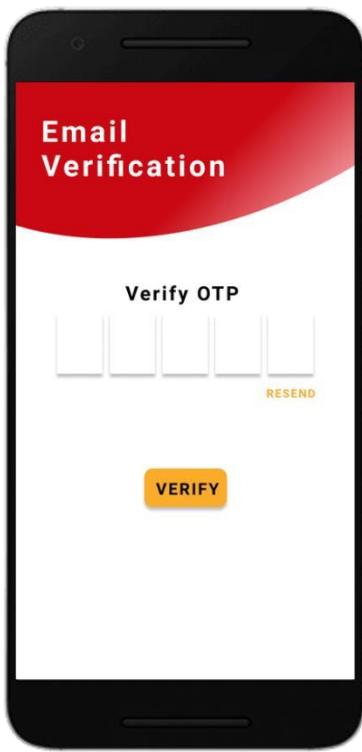
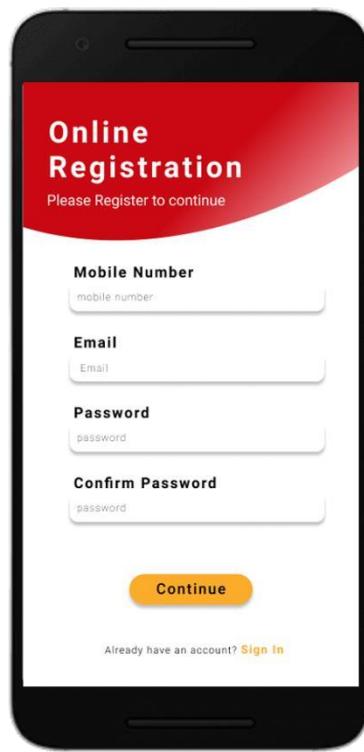
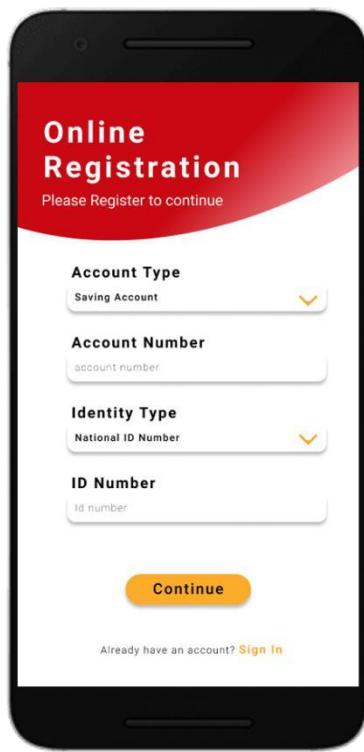
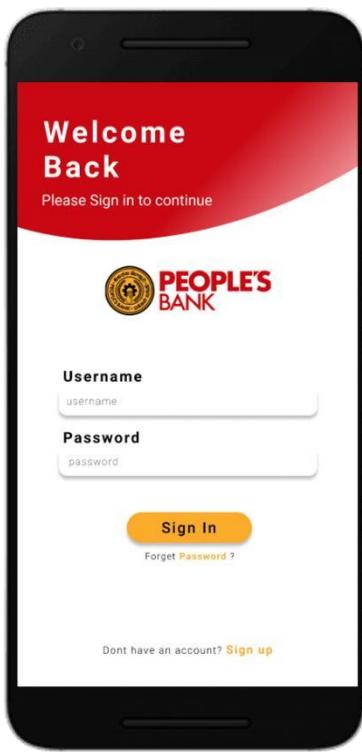
Okay, that's all for this time, thank you Mr. Vinuka for your feedback and for spending your time with us. Goodbye everyone.

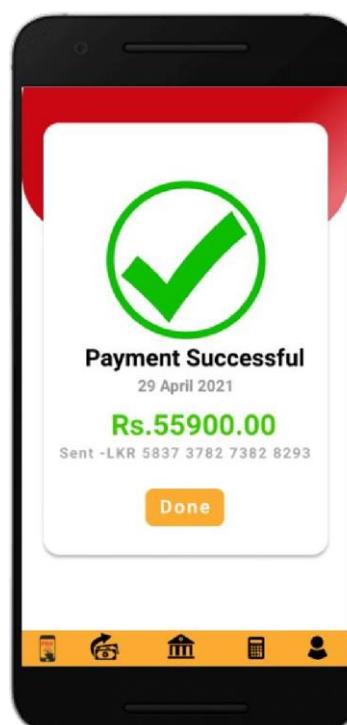
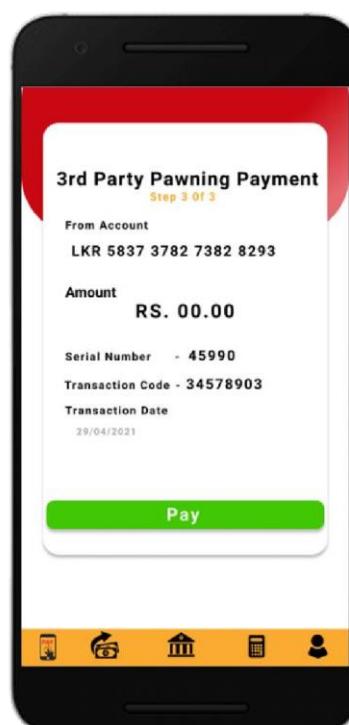
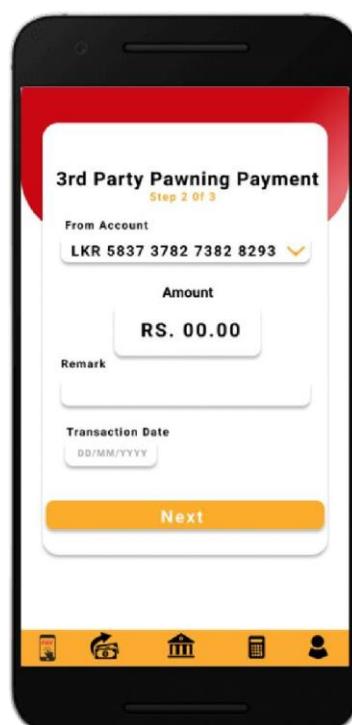
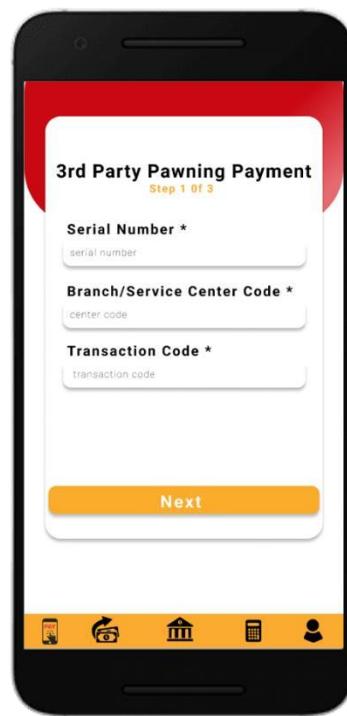
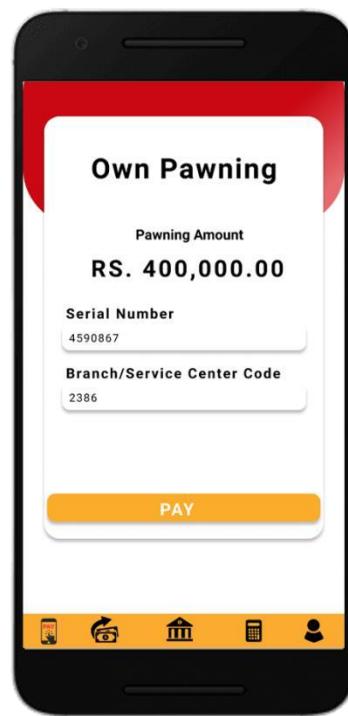
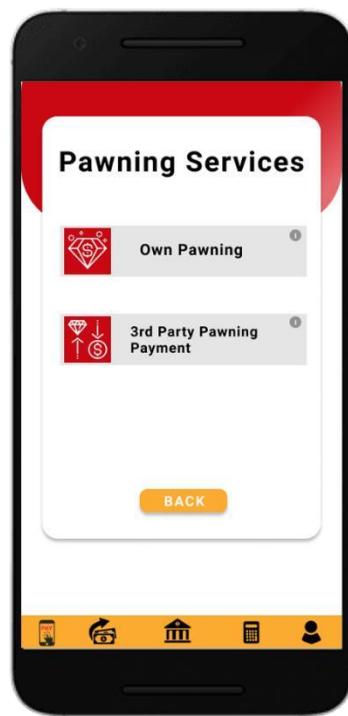
## 06. User Test Video link

<https://web.microsoftstream.com/video/2373cd7f-a26d-4445-9d22-d55ec0cb9557>

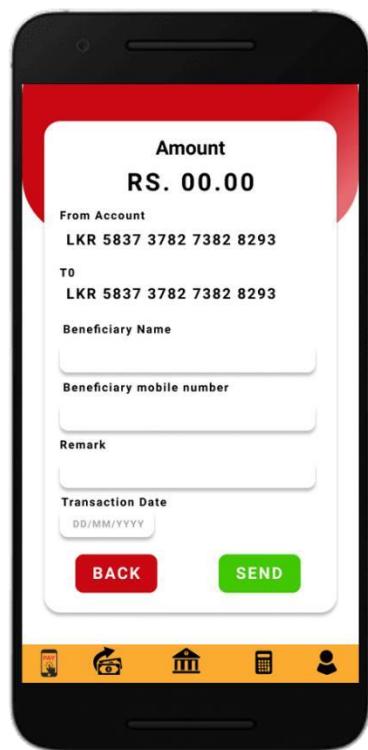
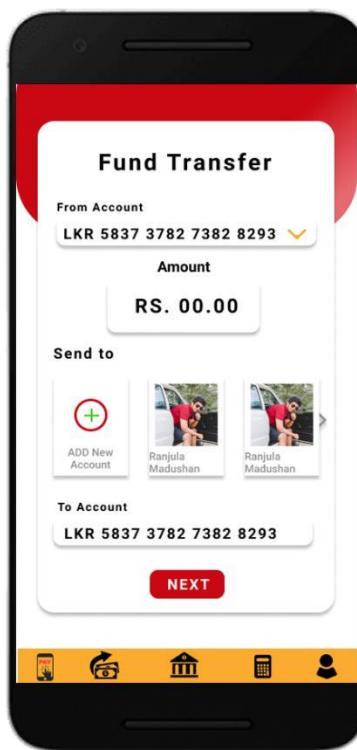
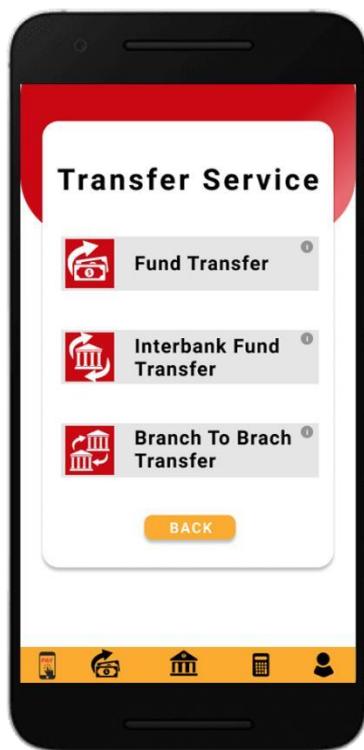
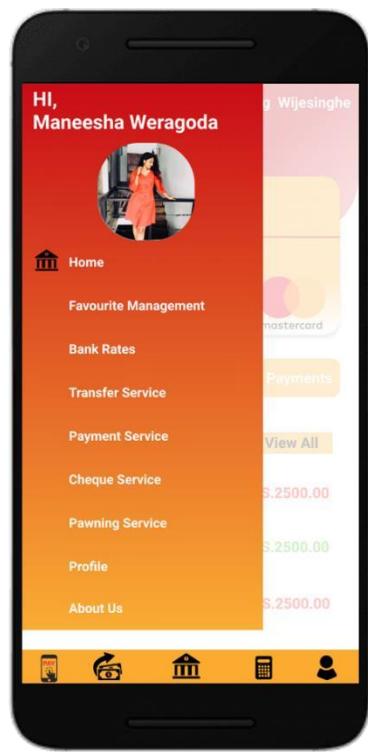
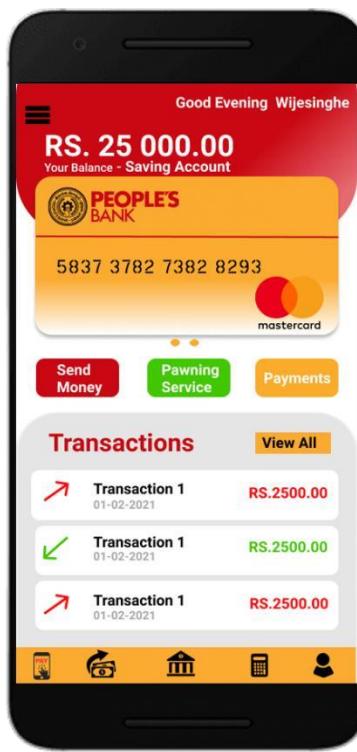
## 07. Prototype Version 02

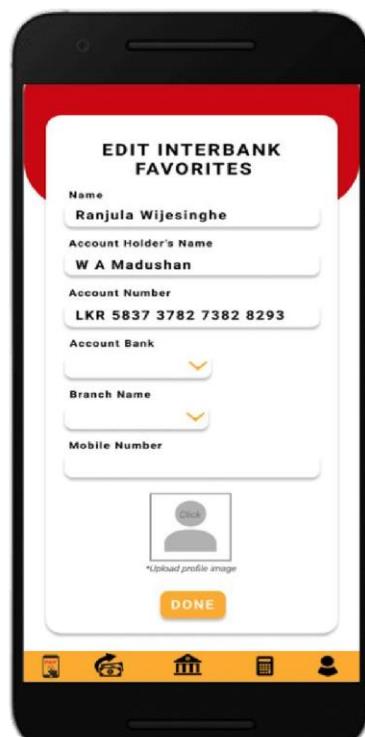
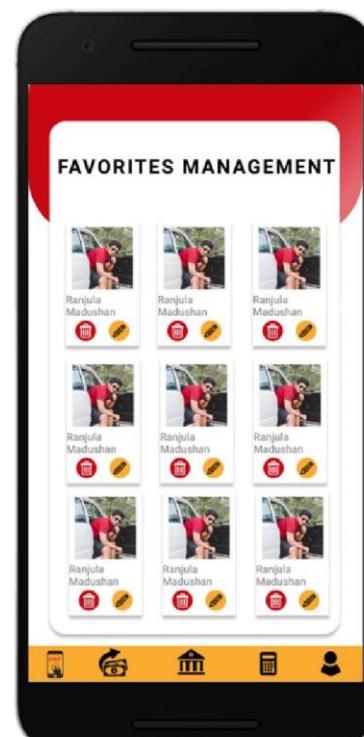
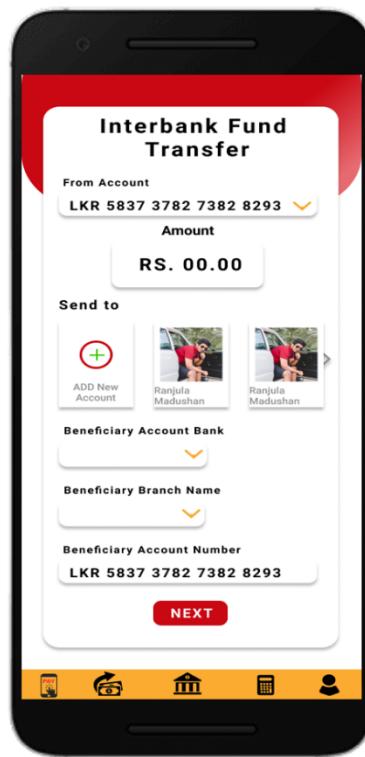
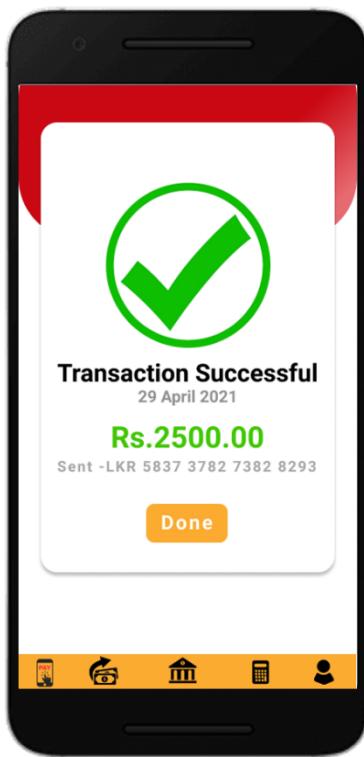
**01. WERAGODA W.R.J.M(IT19008424)**



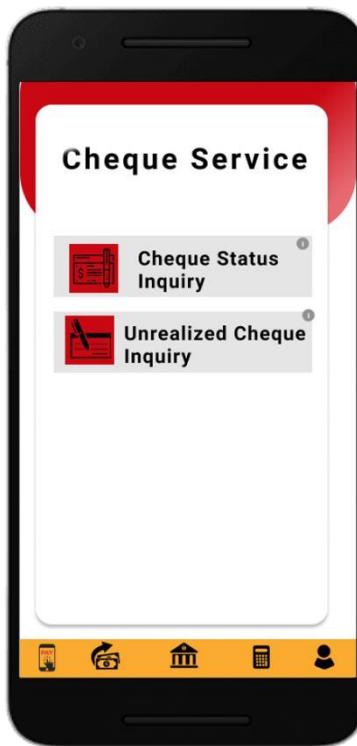
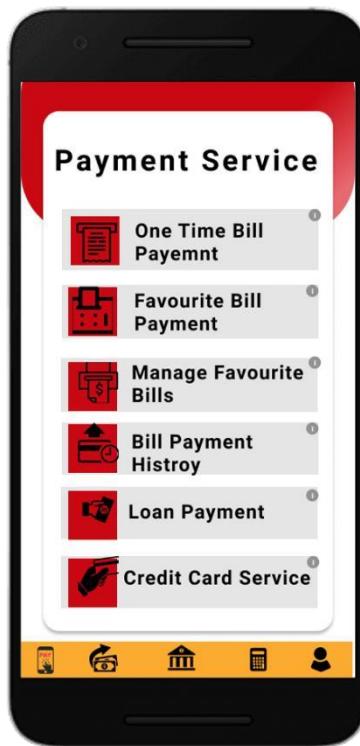


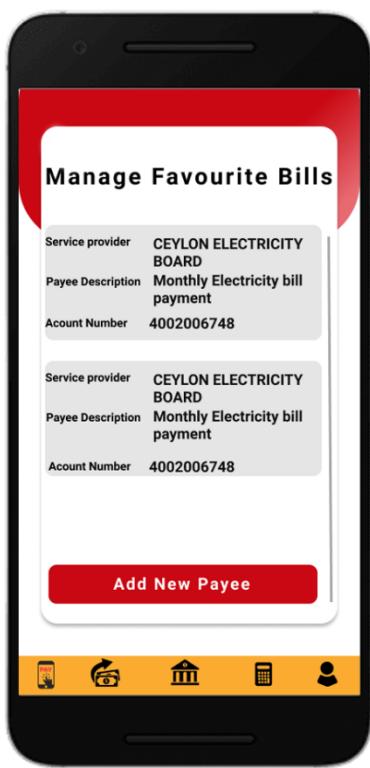
## 02. MADUSHAN W.A. (IT19042152)



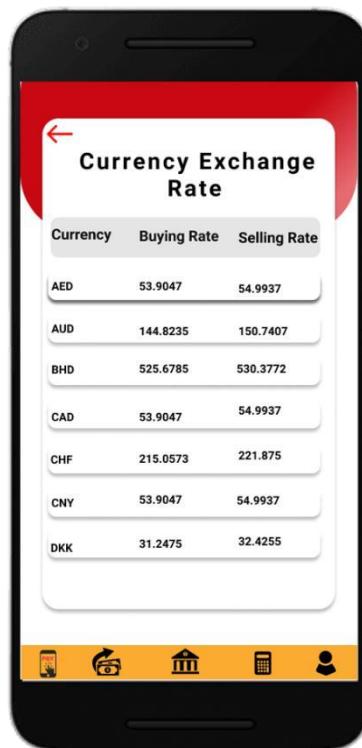
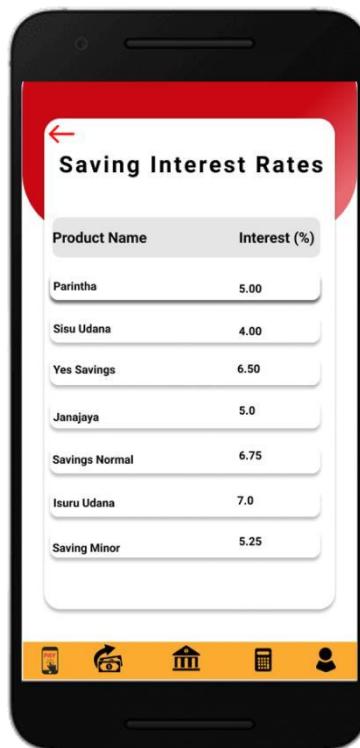
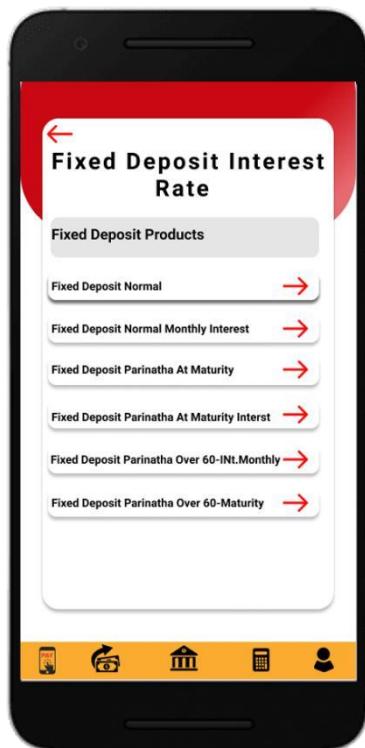


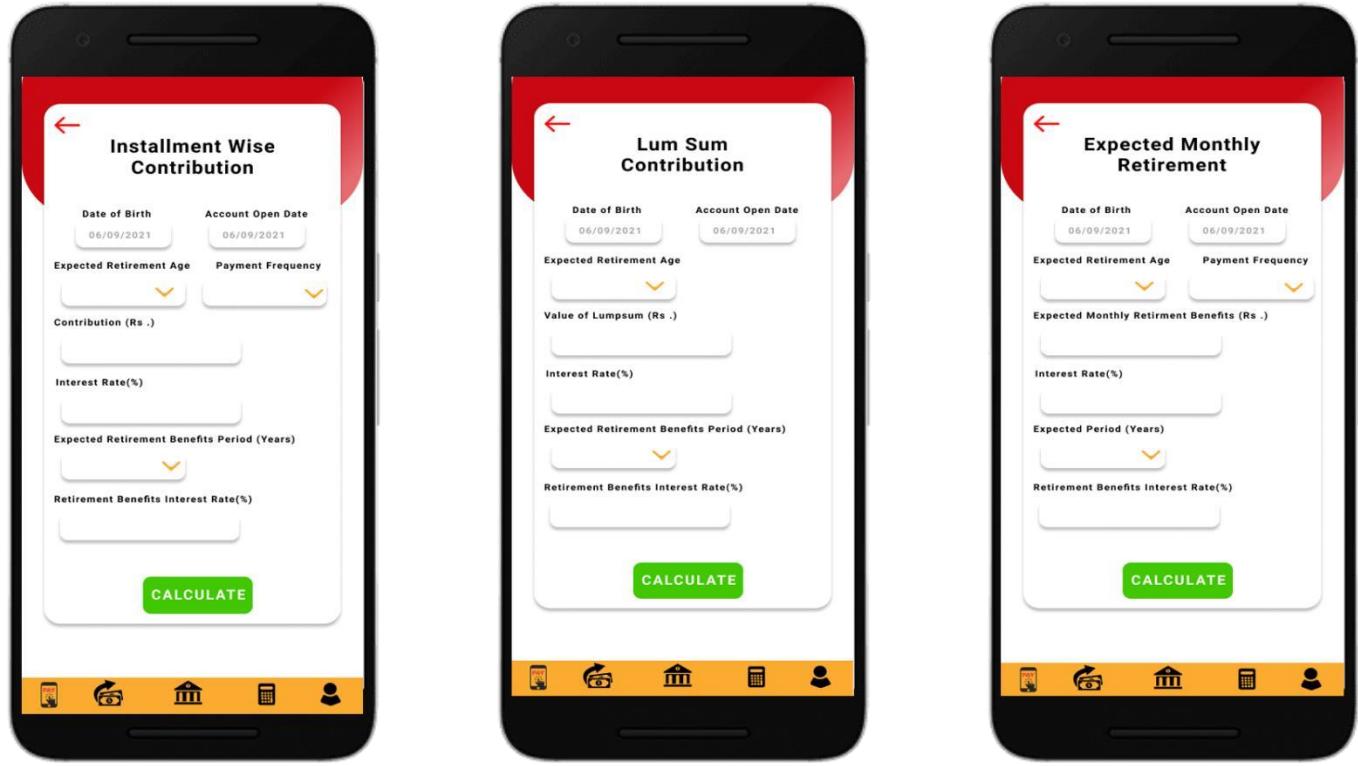
### 03. CHATHURANGA S.J. (IT19034478)





**04.HIRUSAHA K.A.G. (IT19034478)**





## 08.Prototype(Version 2) – Git hub link

<https://www.figma.com/file/ML82KxAJsg094NOZzWvbb3/Version-2?node-id=0%3A1>

## 09.Contribution

Student	Contribution
IT19034478 - Hirusha K. A. G.	Bank rate function Pension Calculation function
IT19008424 - Weragoda W. R. J. M.	Login & Registration Profile Management function Pawning Service function
IT19042152 - Madushan W. A.	Transaction Management Function Favourite Account Management Function Home Page & Account Summary
IT19043388 - Chathuranga S.J.	Payment Function Cheque service Function