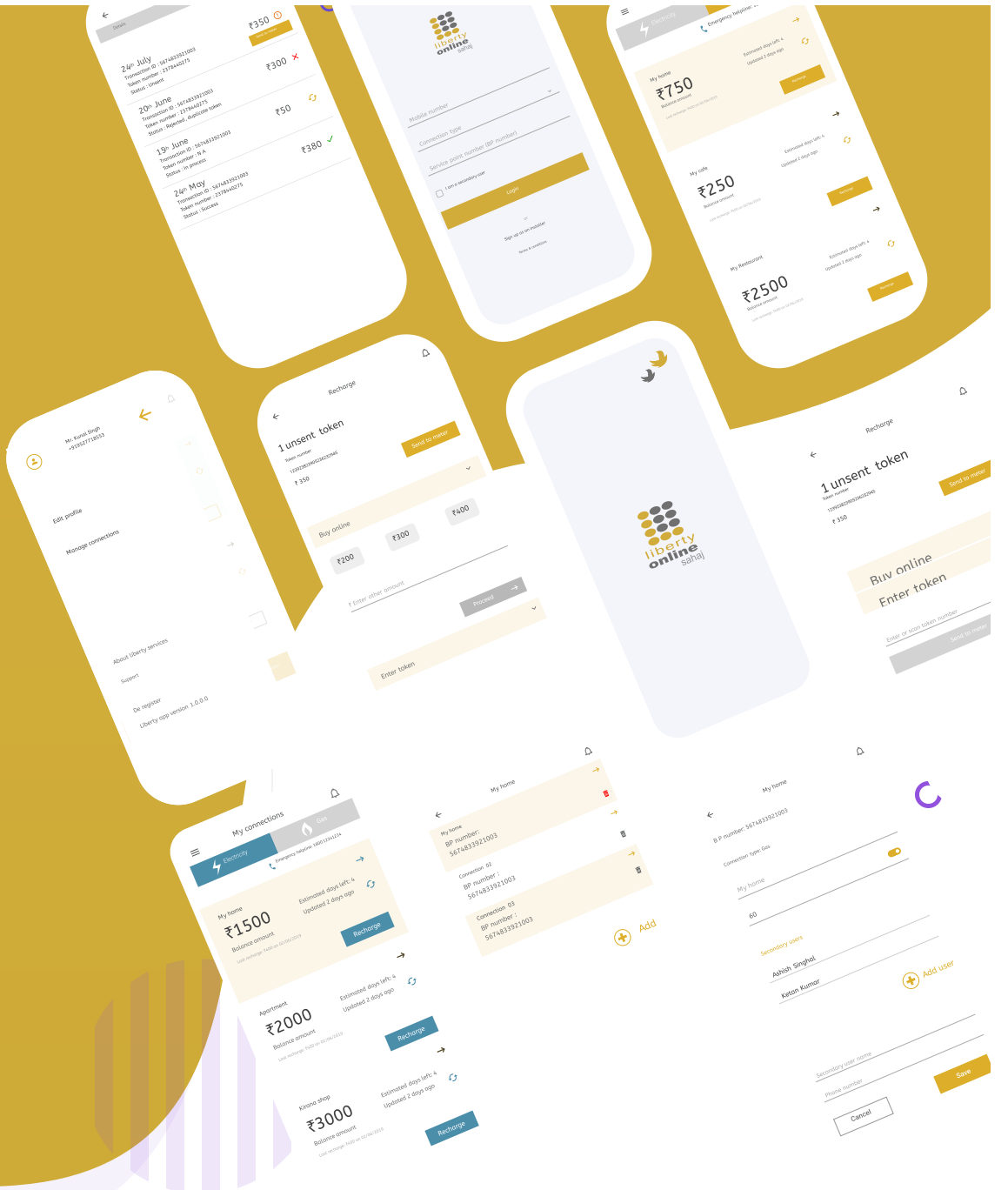
Sahaj Liberty

Mobile Application For
Electric And Gas Consumer

Role: Ux Designer



Play store

Overview

This app for electricity and Gas retail consumers. It allows them to add and manage multiple connections. They can recharge the meter and see the consumption details. It also allows to user to see the history of meter recharge.

Problem Statement

The user has to visit every time for meter recharge, and the utility person needs to visit on-site for meter commissioning. The user doesn't have any idea about electricity consumption and depends on a utility person for meter vending.

Solution

The app allows adding multiple supply types - electricity and gas meters, registered with the same consumer mobile number. This means you can easily manage both your electricity and gas meters through a single application. Consumers can add multiple connections or meters, like home meter, o ce meter, the meter in a rented place, etc

Project Duration

14 Weeks	40+	Ai Ps	Android/Ios
Timeline	Screens	Tools	Project

Design Process

Discover	Define	Ideat	Design	Test
User Interviews	Persona	User Flow	Wireframe	Usability Testing
User Research	Empathy Map	Card Sorting	Visual Design	
Competitive Analysis	Journey Map	Information Architecture		

Discover Phase

Qualitative Research

Qualitative research involves collecting and analyzing non-numerical data (e.g., text, video, or audio) to understand concepts, opinions, or experiences. So we can be used to gather in-depth insights into a problem or generate new ideas for research for the project. Prepared research question examples:

How often visit the Utility o ce?

Which option do you prefer for a meter prepared or a credit?

Any past experience with a prepaid meter?

Any idea on the electric uses of your home?

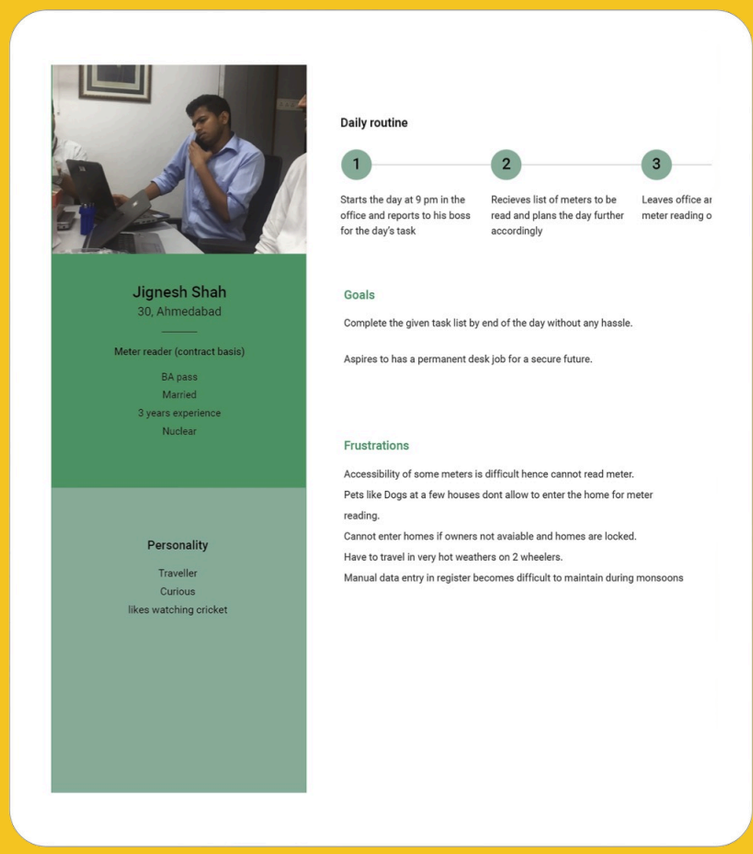
Key Insights Derived From The Interviews

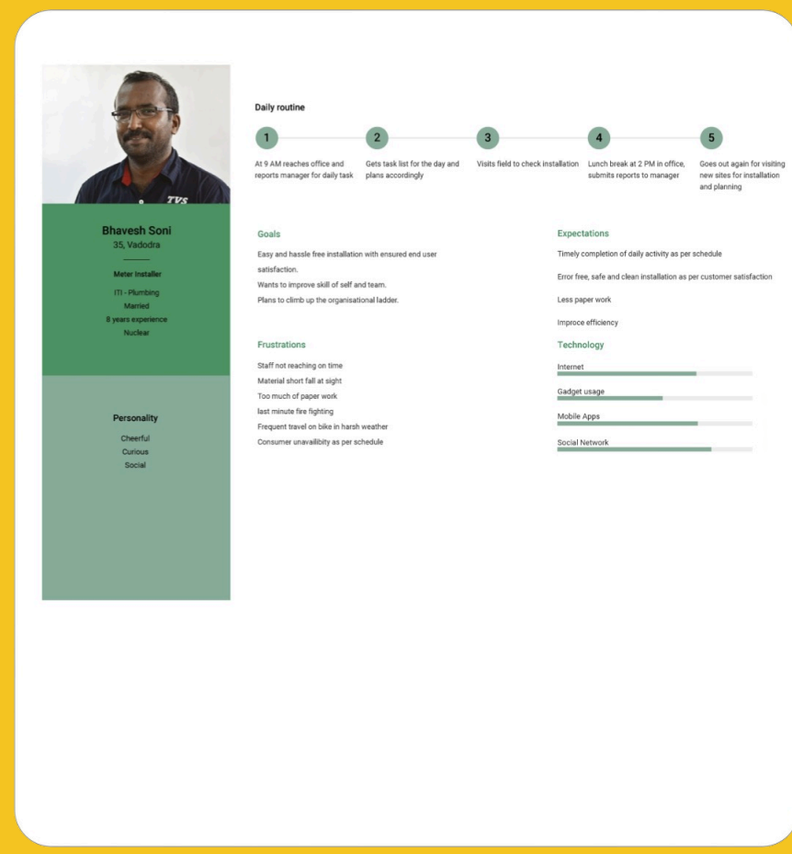
- Easy to use manage electricity and gas by user
- Recharge option with Paytm and Gpay
- Meter commissioning can easily be done by any laymen
- Less filed visit for utility filed an executive
- Consumption detail can be on page
- Manage connection should be thru mobile app

Define phase

Personas

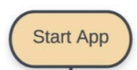
I have picked a consumer to understand the user's daily routine and goals. we got a piece of useful information and a user view for the project.

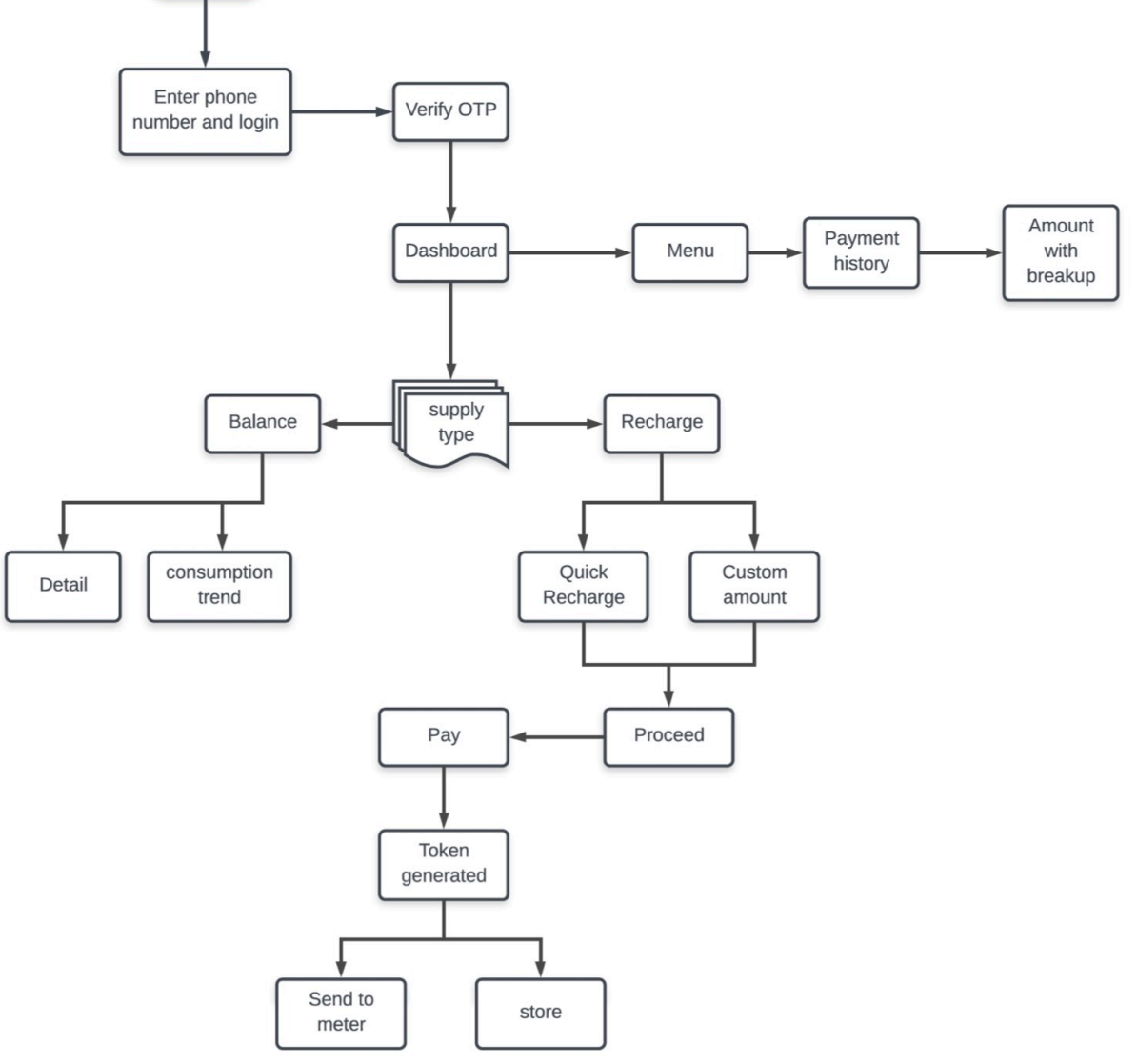




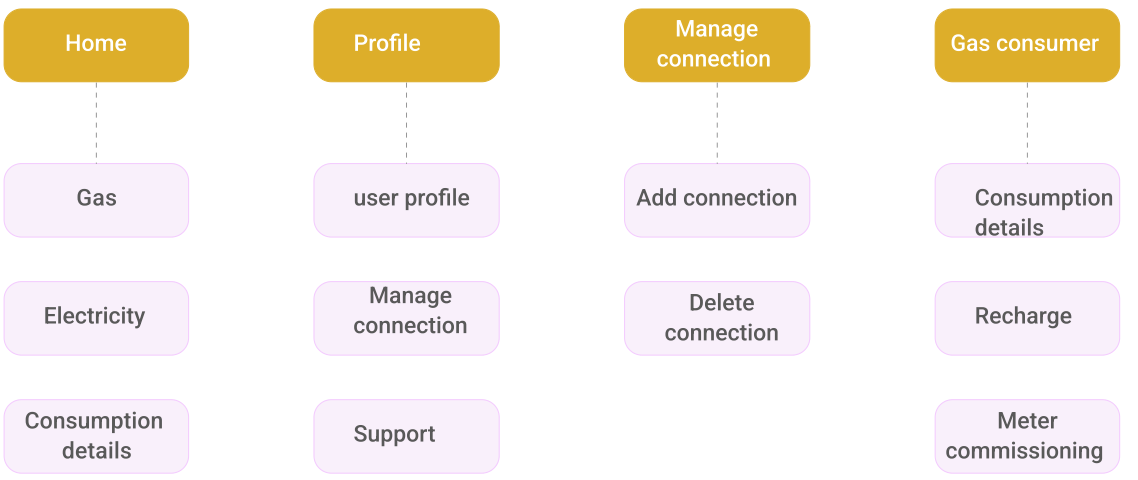
Ideat Phase

User Flow

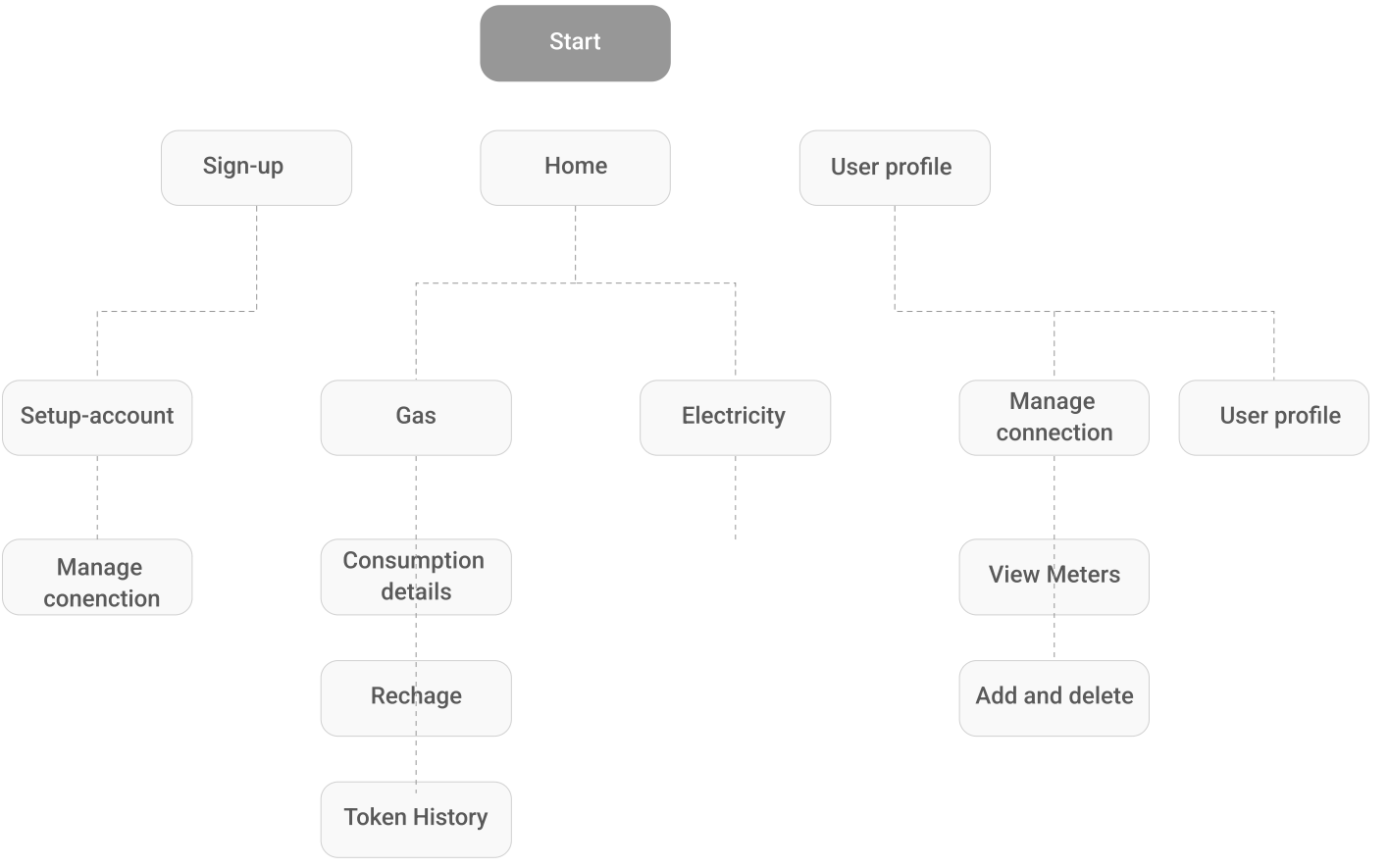




Card Sorting

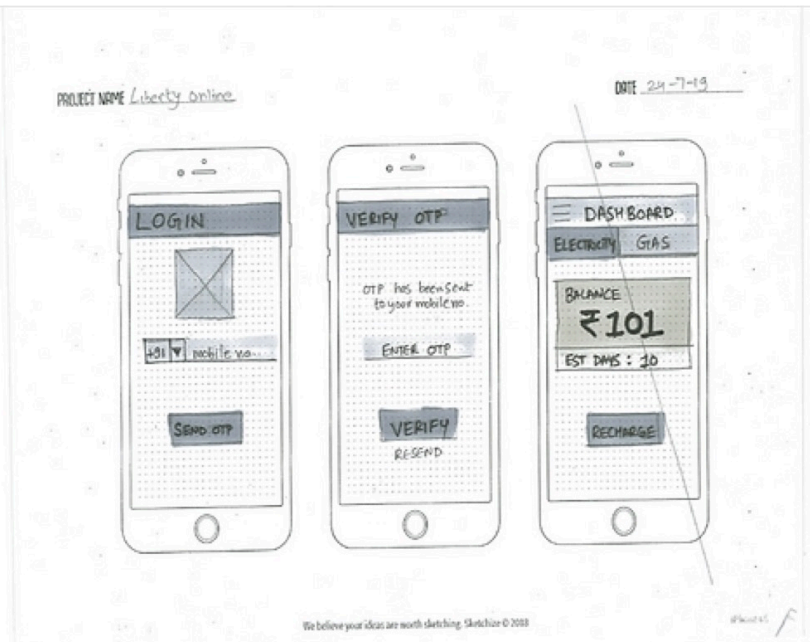


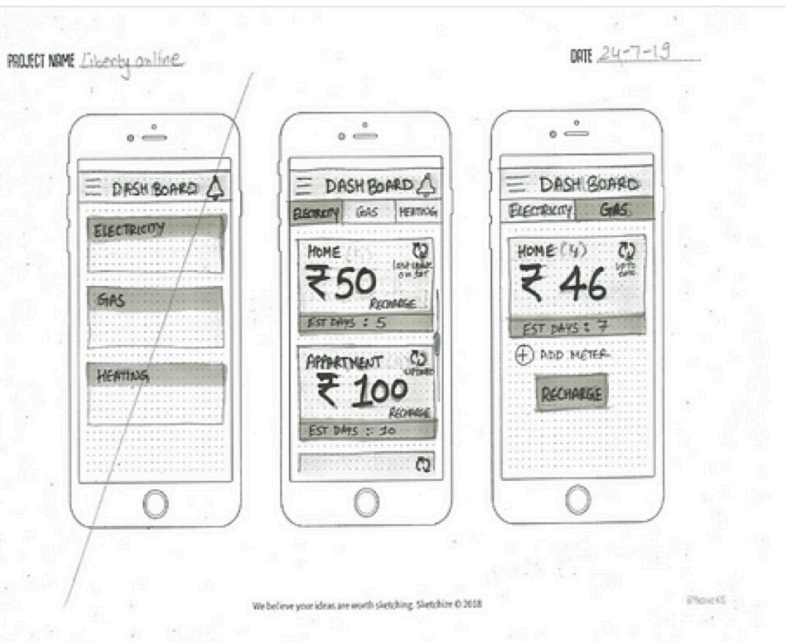
Information Architecture

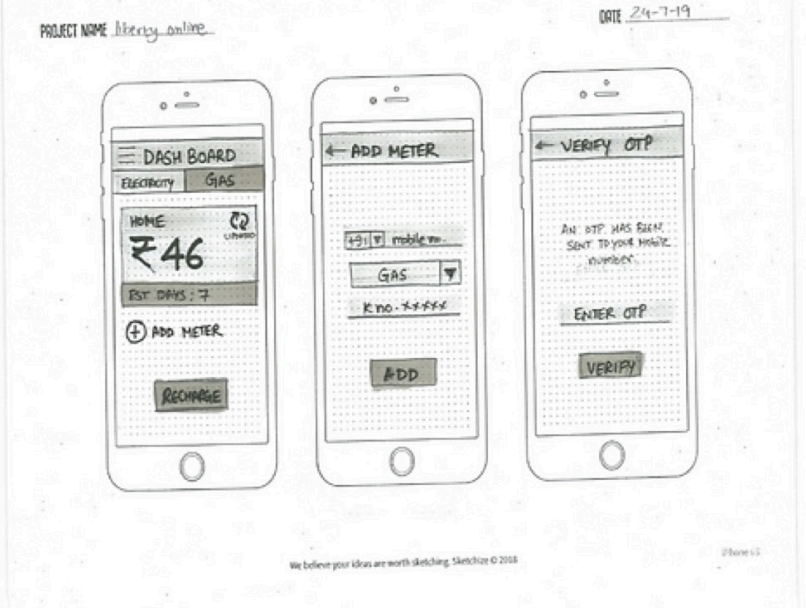


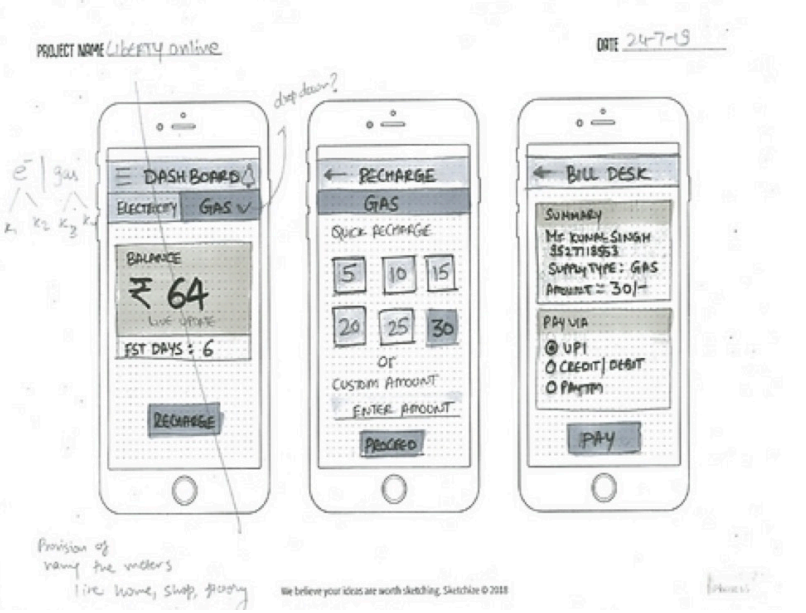
Design Phase

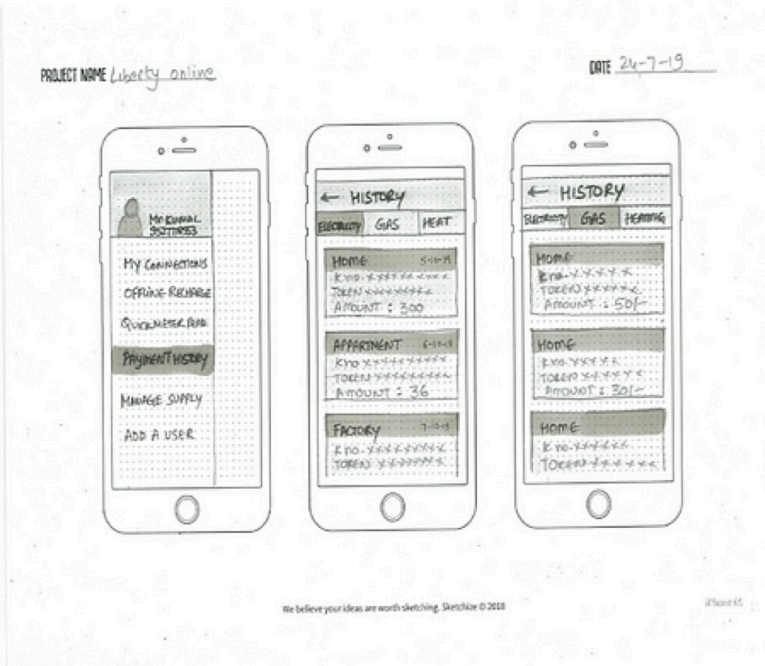
Low Fidelity Wireframes

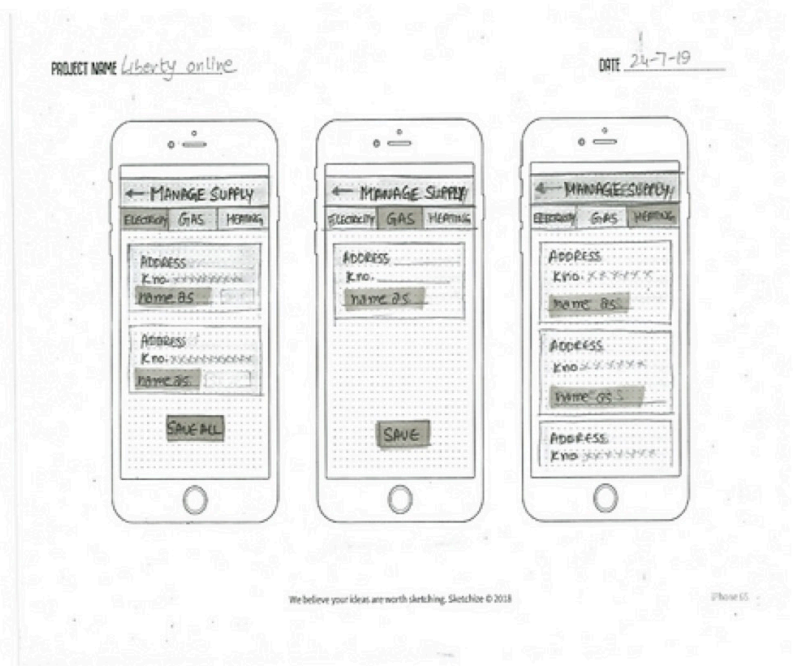


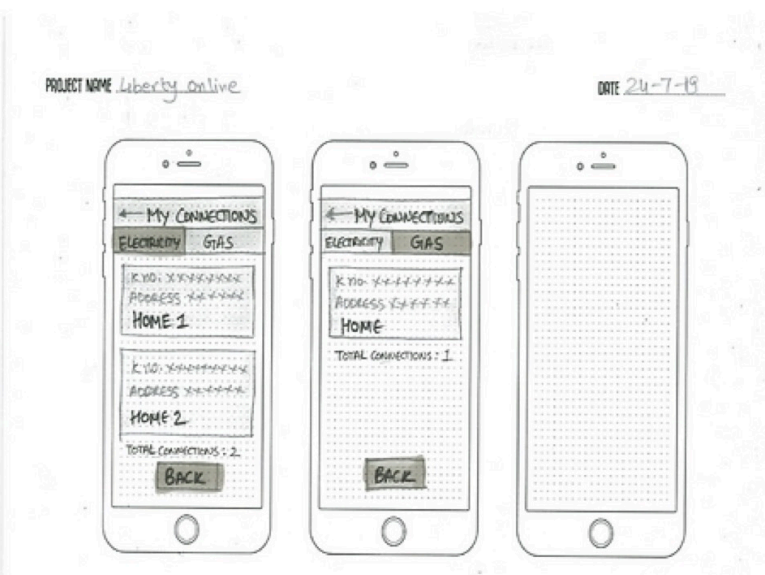


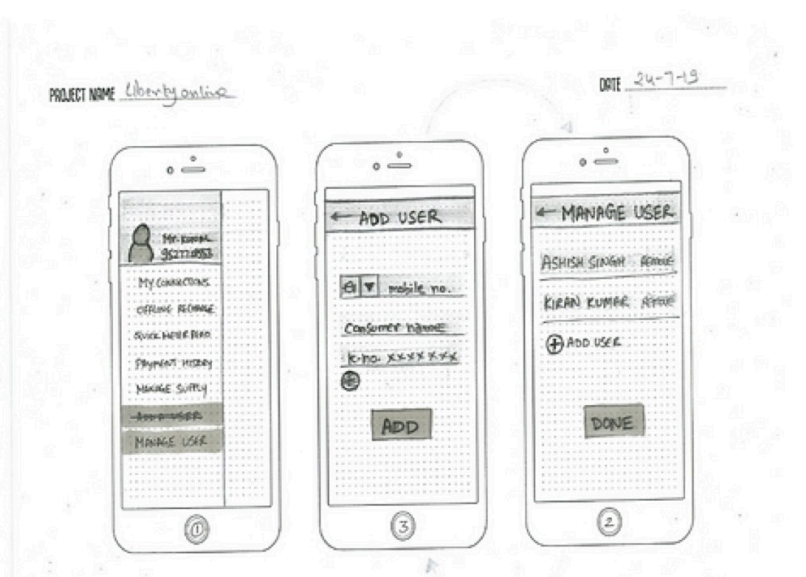

PROJECT NAME liberty online
DATE 24-7-19
DASH BOARD
ELECTRICITY
GAS
HOME
₹46
EST DAYS : 7
ADD METER
RECHARGE
ADD METER
+91 mobile no.
GAS
K no. XXXXX
ADD
VERIFY OTP
AN OTP HAS BEEN SENT TO YOUR MOBILE NUMBER
ENTER OTP
VERIFY
We believe your ideas are worth sketching. Sketchize © 2018

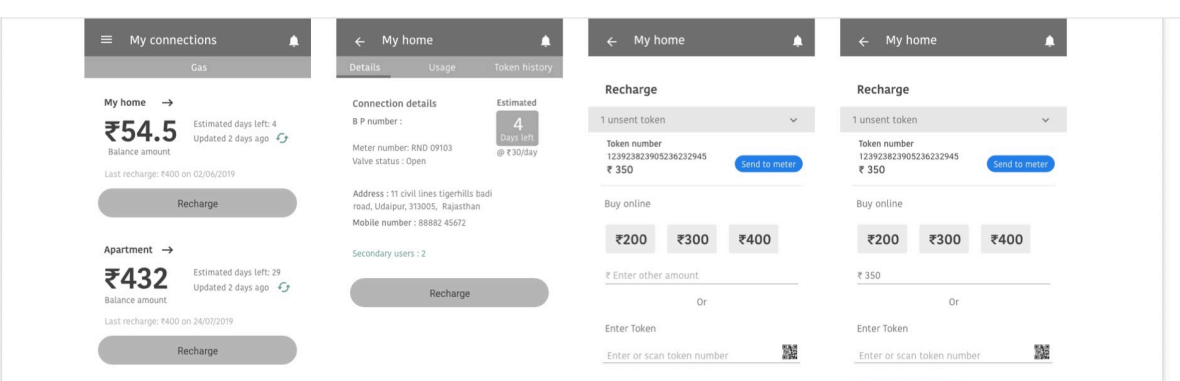

PROJECT NAME Liberty online
DATE 24-7-19
drop down?
DASH BOARD
ELECTRICITY
GAS
BALANCE
₹ 64
EST DAYS : 6
RECHARGE
RECHARGE
GAS
QUICK RECHARGE
5
10
15
20
25
30
OR
CUSTOM AMOUNT
ENTER AMOUNT
PROCEED
BILL DESK
SUMMARY
Mr KUNAL SINGH
8527118553
SUPPLY TYPE : GAS
AMOUNT : 30/-
PAY VIA
UPI
CREDIT / DEBIT
PAYTM
PAY
Provision of
many the meters
like home, shop, factory
We believe your ideas are worth sketching. Sketchize © 2018

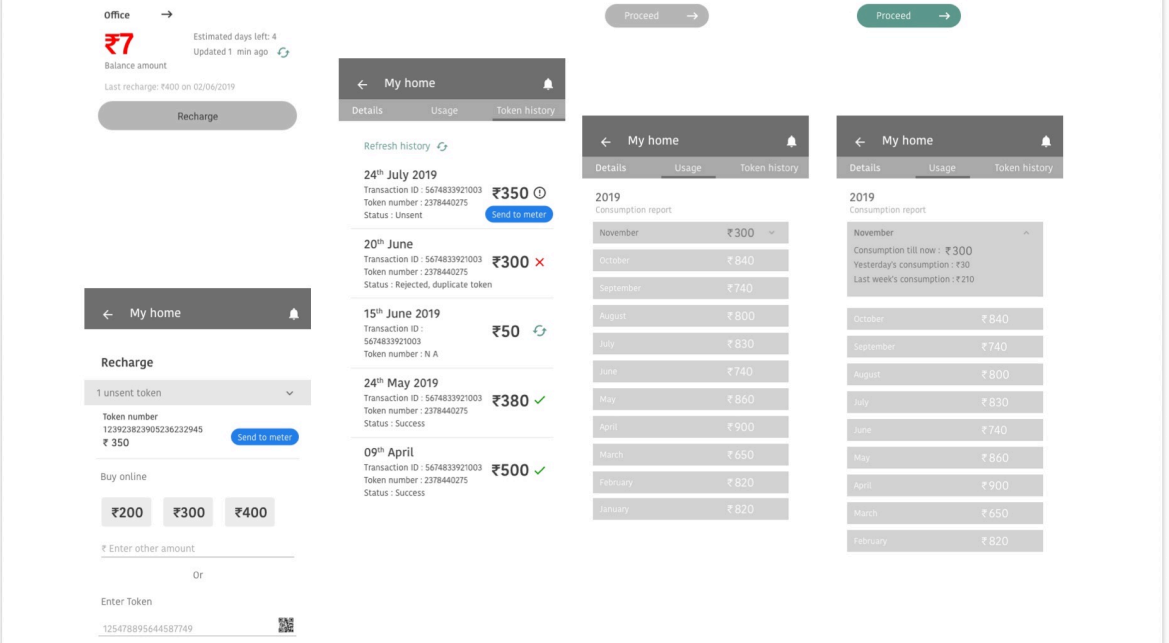

PROJECT NAME Liberty online
DATE 24-7-19
MY CONNECTIONS
OFFLINE RECHARGE
QUICK METER READ
PAYMENT HISTORY
MANAGE SUPPLY
ADD A USER
HISTORY
ELECTRICITY
GAS
HEAT
HOME
AMOUNT : 300
APARTMENT
AMOUNT : 36
FACTORY
HISTORY
ELECTRICITY
GAS
HEATING
HOME
AMOUNT : 50/-
HOME
AMOUNT : 30/-
HOME
We believe your ideas are worth sketching. Sketchize © 2018


PROJECT NAME Liberty online
DATE 24-7-19
MANAGE SUPPLY
ELECTRICITY
GAS
HEATING
ADDRESS
K no.
name as
SAVE ALL
MANAGE SUPPLY
ADDRESS
K no.
name as
SAVE
MANAGE SUPPLY
ADDRESS
K no.
name as
ADDRESS
K no.
name as
ADDRESS
K no.
We believe your ideas are worth sketching. Sketchize © 2018

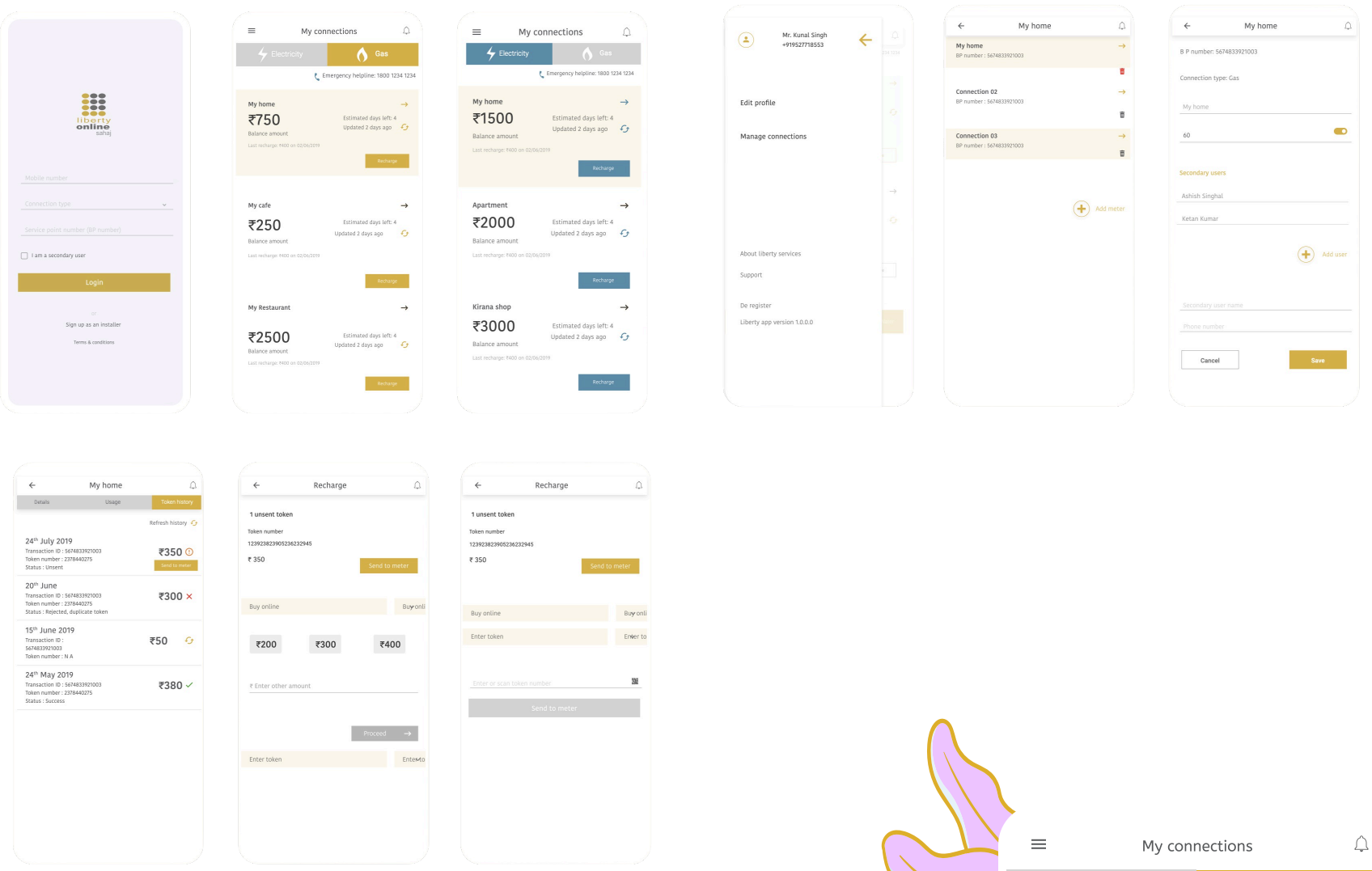

PROJECT NAME Liberty online
DATE 24-7-19
MY CONNECTIONS
ELECTRICITY
GAS
K NO. XXXXXXXX
ADDRESS XXXXXX
HOME 1
K NO. XXXXXXXX
ADDRESS XXXXXX
HOME 2
TOTAL CONNECTIONS : 2
BACK
MY CONNECTIONS
ELECTRICITY
GAS
K NO. XXXXXXXX
ADDRESS XXXXXX
HOME
TOTAL CONNECTIONS : 1
BACK


PROJECT NAME Liberty online
DATE 24-7-19
MY CONNECTIONS
OFFLINE RECHARGE
QUICK METER READ
PAYMENT HISTORY
MANAGE SUPPLY
MANAGE USER
ADD USER
mobile no.
CONSUMER NAME
K-NO. XXXXXXX
ADD
MANAGE USER
ASHISH SINGH
KIRAN KUMAR
ADD USER
DONE


My connections
Gas
My home
₹54.5
Balance amount
Estimated days left: 4
Updated 2 days ago
Last recharge: ₹400 on 02/06/2019
Recharge
Apartment
₹432
Balance amount
Estimated days left: 29
Updated 2 days ago
Last recharge: ₹400 on 24/07/2019
Recharge
My home
Details
Usage
Token history
Connection details
B P number :
Meter number: RND 09103
Valve status : Open
Estimated
4
Days left
@ ₹30/day
Address : 11 civil lines tigerhills badi road, Udaipur, 313005, Rajasthan
Mobile number : 88882 45672
Secondary users : 2
Recharge
My home
Recharge
1 unsent token
Token number
12392382390523623294 5
₹ 350
Send to meter
Buy online
₹200
₹300
₹400
₹ Enter other amount
Or
Enter Token
Enter or scan token number
My home
Recharge
1 unsent token
Token number
12392382390523623294 5
₹ 350
Send to meter
Buy online
₹200
₹300
₹400
₹ 350
Or
Enter Token
Enter or scan token number

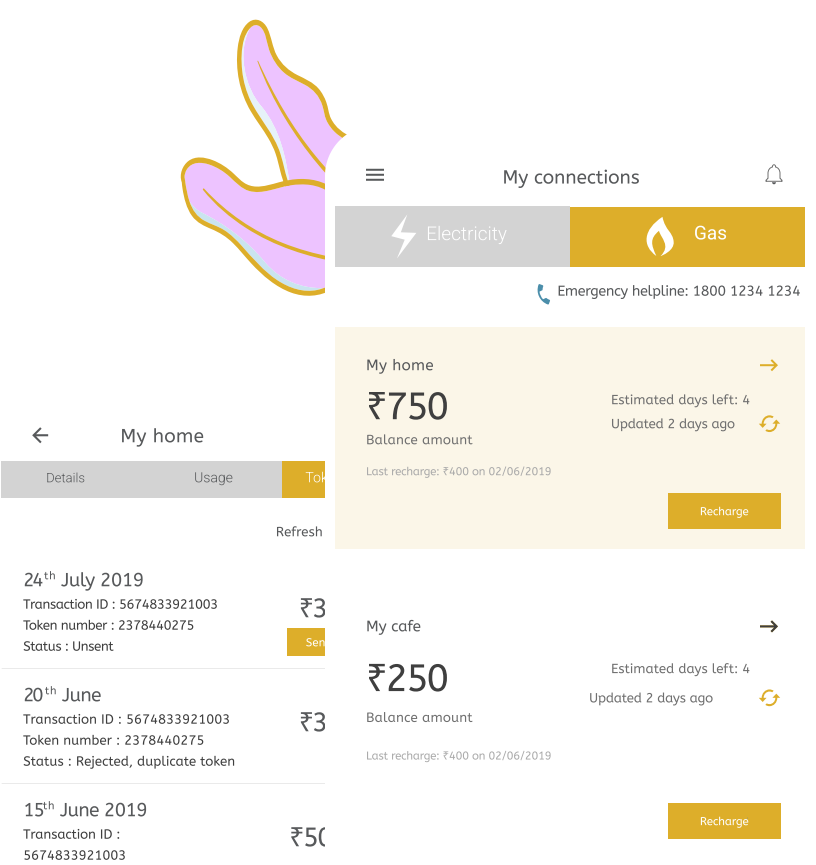


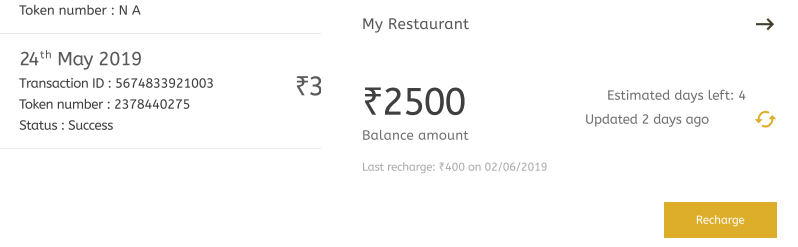
High Fidelity Wireframes



Visual Design

I also did the visual design for the app; while designing, we connected with our brand UI guideline and added Secure branding.





Typography

Aa

Kohinoor Devanagari

Bold

A B C D E F G H I J K L M N O P Q R S, T, U, V, W, X, Y, Z.

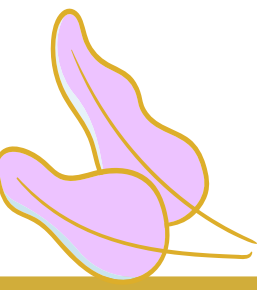
Regular

A B C D E F G H I J K L M N Op Q R S, T, U, V, W, X, Y, Z.

Colors

#622Feb #B76Bd6 #312651 #83829A #4B8Eab

Icons And Illustration



liberty online sahaj

Mobile number

Connection type

Service point number (BP number)

I am a secondary user

Login

or

Sign up as an installer

Terms & conditions

My connections

Electricity | Gas

Emergency helpline: 1800 1234 1234

My home

₹750

Balance amount

Estimated days left: 4

Updated 2 days ago

Last recharge: ₹400 on 02/06/2019

Recharge

My cafe

₹250

Balance amount

Estimated days left: 4

Updated 2 days ago

Last recharge: ₹400 on 02/06/2019

Recharge

My Restaurant

₹2500

Balance amount

Estimated days left: 4

Updated 2 days ago

Last recharge: ₹400 on 02/06/2019

Recharge

My connections

Electricity | Gas

Emergency helpline: 1800 1234 1234

My home

₹1500

Balance amount

Estimated days left: 4

Updated 2 days ago

Last recharge: ₹400 on 02/06/2019

Recharge

Apartment

₹2000

Balance amount

Estimated days left: 4

Updated 2 days ago

Last recharge: ₹400 on 02/06/2019

Recharge

Kirana shop

₹3000

Balance amount

Estimated days left: 4

Updated 2 days ago

Last recharge: ₹400 on 02/06/2019

Recharge

My home

Details | Usage | Token history

Refresh history

24th July 2019
Transaction ID : 5674833921003
Token number : 2378440275
Status : Unsent
₹350
Send to meter

20th June
Transaction ID : 5674833921003
Token number : 2378440275
Status : Rejected, duplicate token
₹300

15th June 2019
Transaction ID : 5674833921003
Token number : N A
₹50

24th May 2019
Transaction ID : 5674833921003
Token number : 2378440275
Status : Success
₹380

Recharge

1 unsent token

Token number

12392382390523623294 5

₹ 350

Send to meter

Buy online

Buy onli

₹200 ₹300 ₹400

₹ Enter other amount

Proceed

Enter token

Enter to

Recharge

1 unsent token

Token number

12392382390523623294 5

₹ 350

Send to meter

Buy online

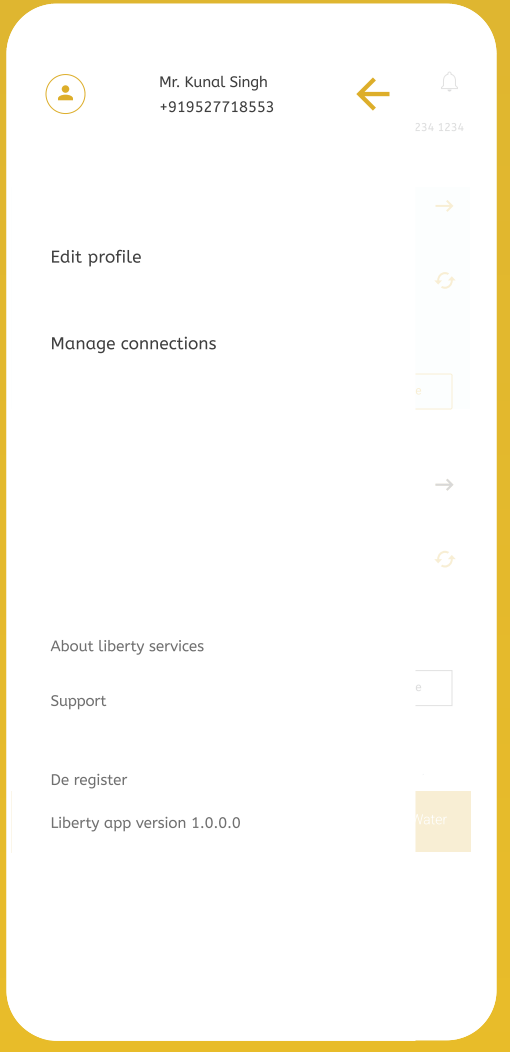
Buy onli

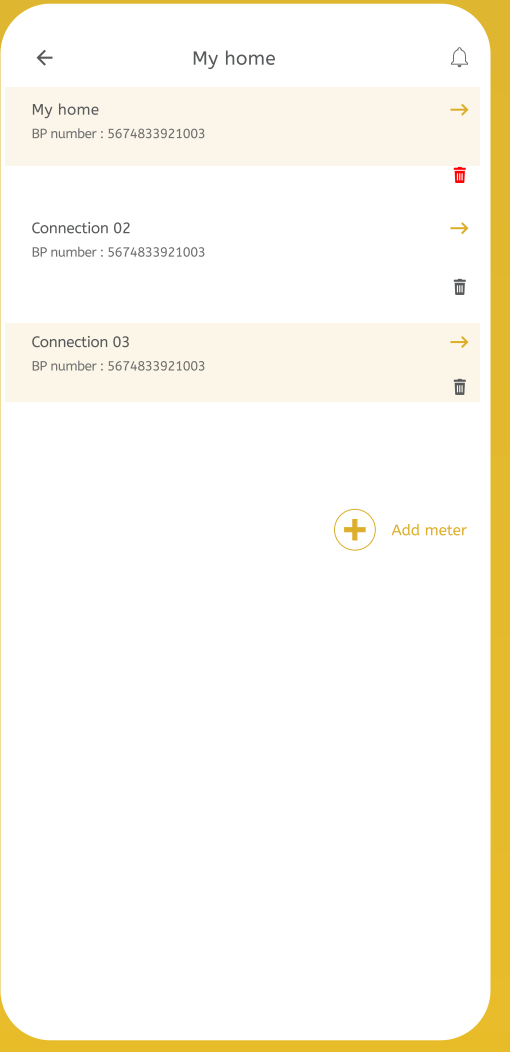
Enter token

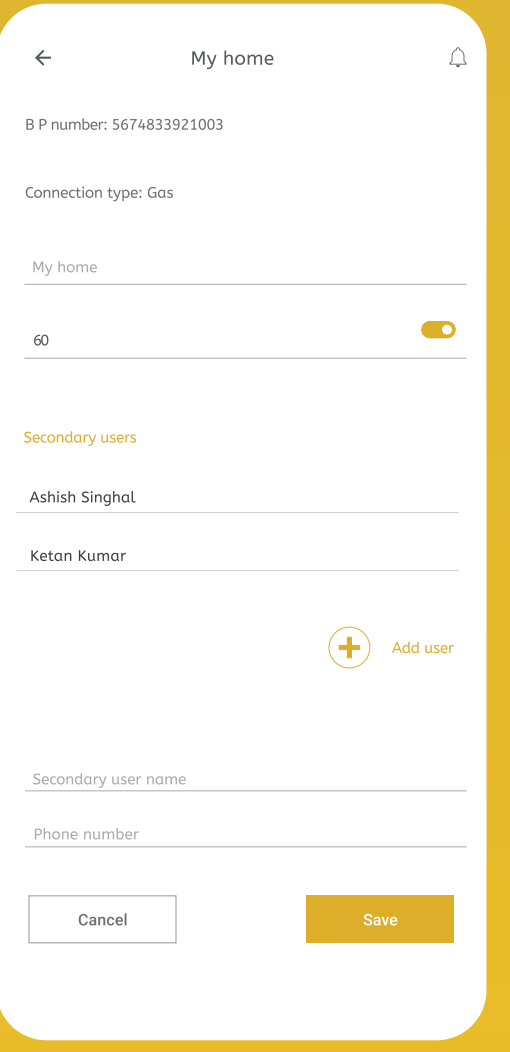
Enter to

Enter or scan token number

Send to meter







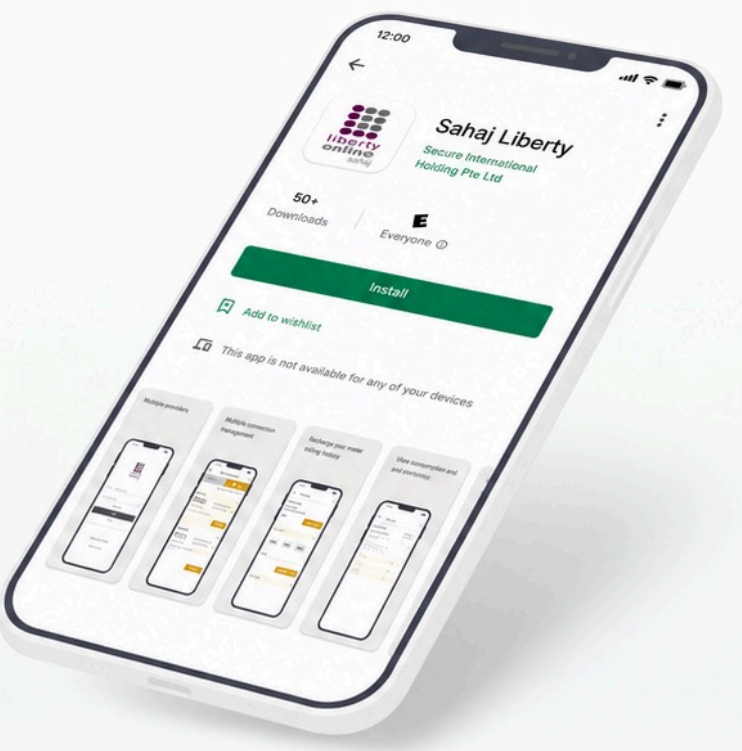
liberty online sahaj

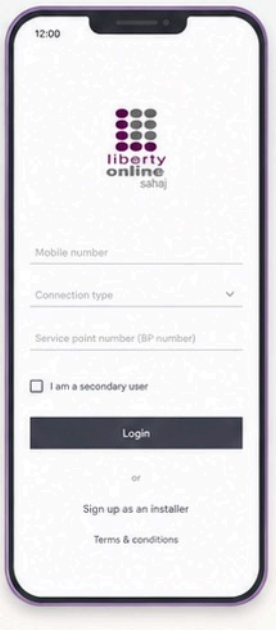
Manage your connections, anytime, anywhere.

Recharge, track usage, view bills and manage multiple connections with ease.
All in one secure and simple to use app.

Download on the App Store

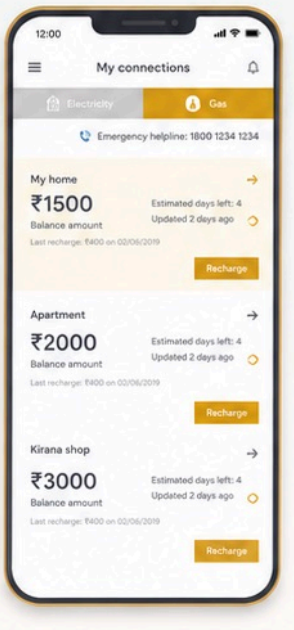
GET IT ON Google Play





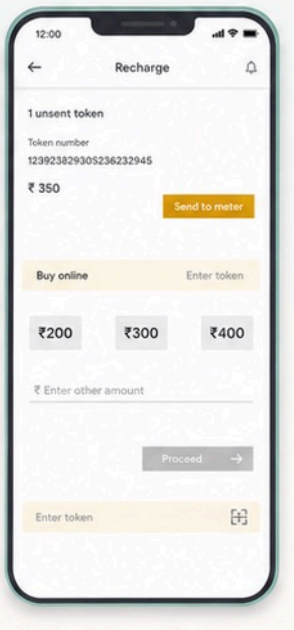
Secure Login

Login with your mobile number to access your account securely.



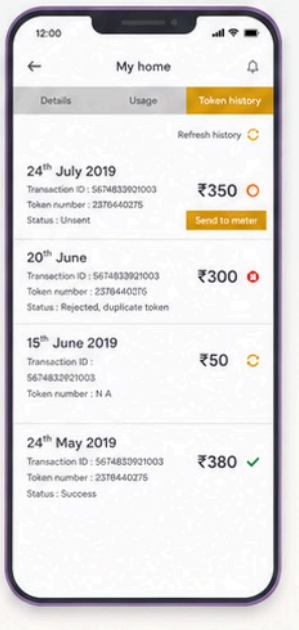
My Connections

View all your connections and check balance, usage, and estimated days left.



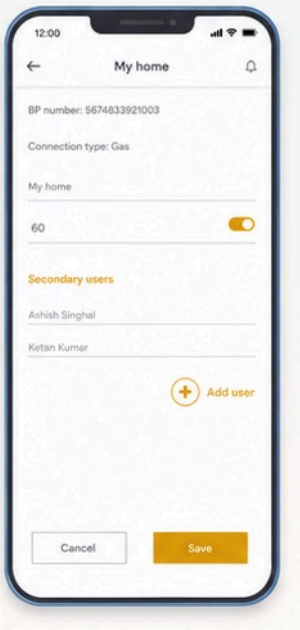
Recharge Made Easy

Recharge your meter online or enter token manually with ease.



Token History

Track all your token transactions and their status in one place.



Manage Connections

Add secondary users and manage your connection settings effortlessly.