



Splitter – ‘Split, Share, and Simplify’

Team No. – 9

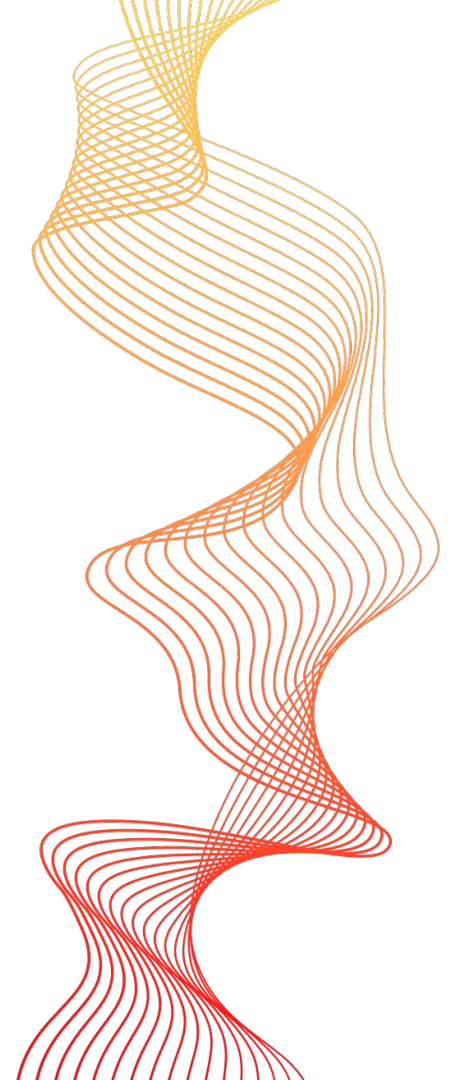
Batch – 2022 2YA

Members:

Chandan Kumar (2022SP93032)

Arpan Mahato (2022SP93037)

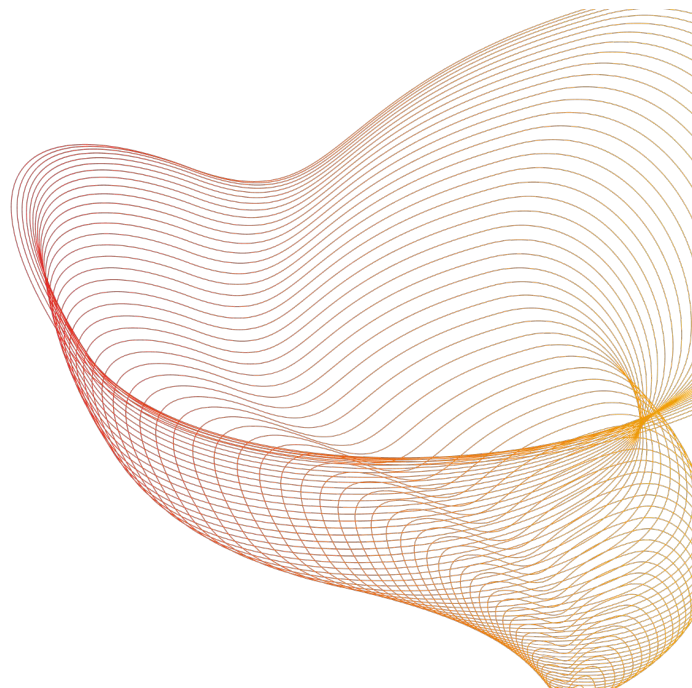
Sahil Patra (2022SP93070)





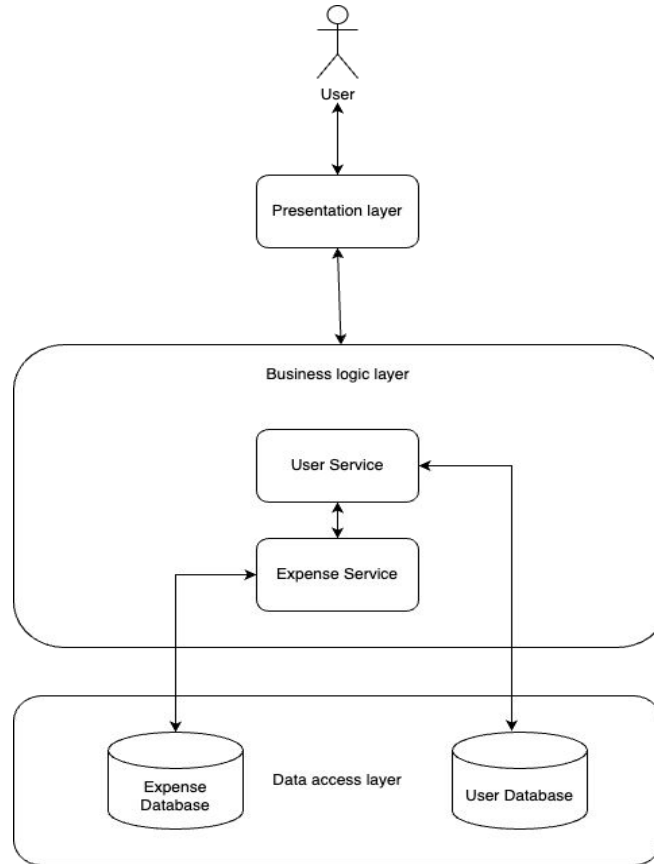
About Splitter

- A cutting-edge expense management app inspired by the simplicity of splitwise.
- Seamlessly divide bills and shared expenses among friends, roommates or colleagues.
- Enjoy a user-friendly design for smooth navigation and hassle-free financial tracking.
- Built using React Native, our app seamlessly bridges platforms for a consistent and efficient user experience.
- Engineered with Java to ensure a sturdy and reliable foundation for data management.
- Our App offers 3 functionalities:
 - Add: Effortlessly input and record expenses.
 - Divide: Smartly distribute expenses among users.
 - Settle: Simplify financial transactions with easy settlement feature.



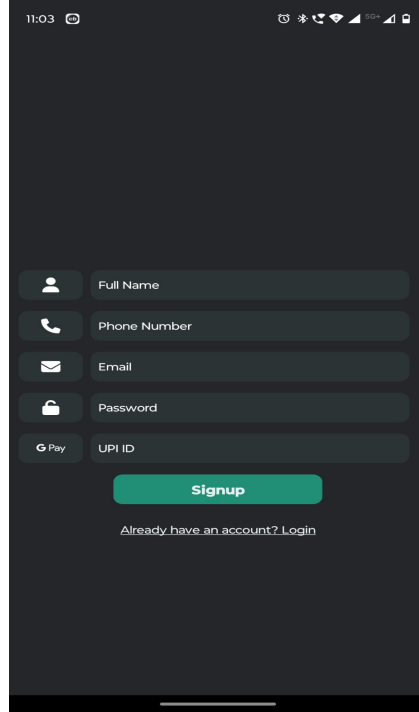


Architecture Design



Demo

Sign Up Screen



11:03

Full Name

Phone Number

Email

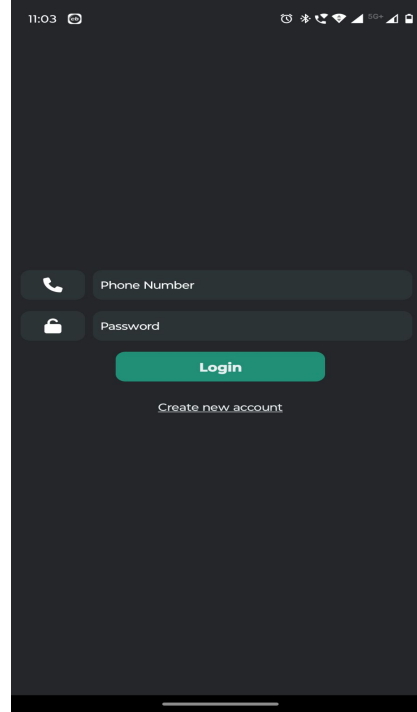
Password

UPI ID

Signup

[Already have an account? Login](#)

Login Screen



11:03

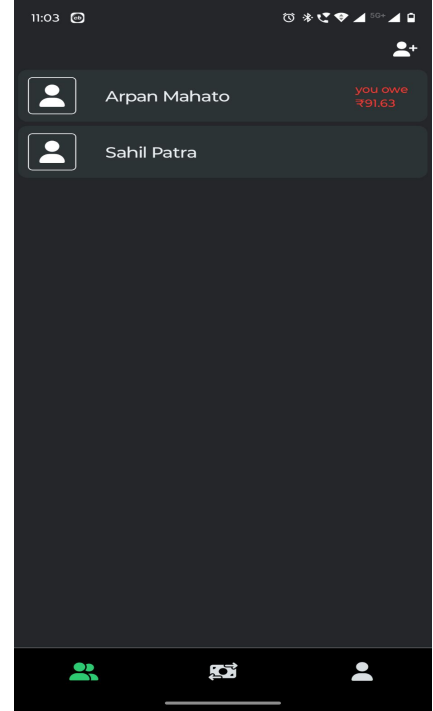
Phone Number

Password

Login

[Create new account](#)

Available Splitter



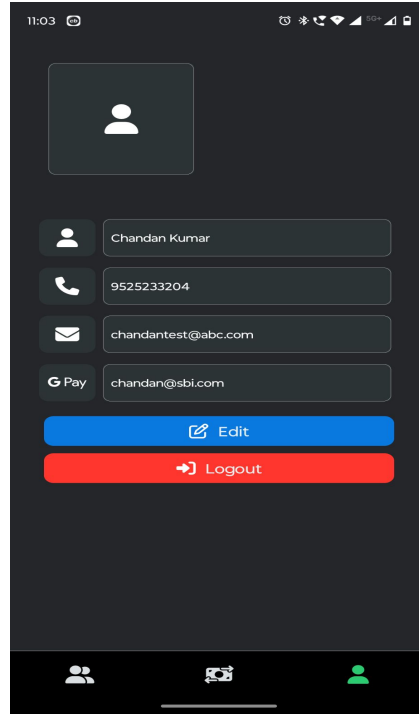
11:03

Arpan Mahato you owe ₹91.63

Sahil Patra

Home, Add, Profile icons

User Details Screen



11:03

Profile Picture Placeholder

Chandan Kumar

9525233204

chandantest@abc.com

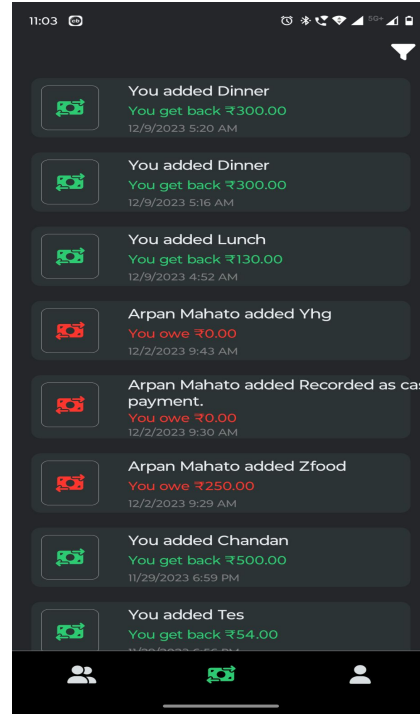
G Pay chandan@sbi.com

Edit

Logout

Bottom Navigation: Profile, Home, Add

Transaction Details



11:03

You added Dinner
You get back ₹300.00
12/9/2023 5:20 AM

You added Dinner
You get back ₹300.00
12/9/2023 5:16 AM

You added Lunch
You get back ₹130.00
12/9/2023 4:52 AM

Arpan Mahato added Yhg
You owe ₹0.00
12/2/2023 9:43 AM

Arpan Mahato added Recorded as cash payment.
You owe ₹0.00
12/2/2023 9:30 AM

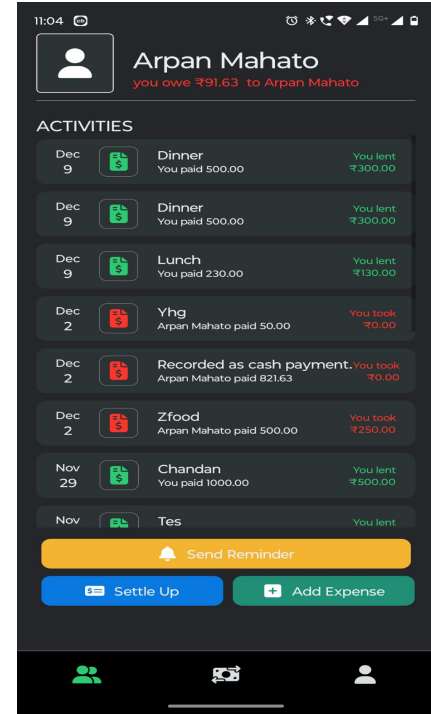
Arpan Mahato added Zfood
You owe ₹250.00
12/2/2023 9:29 AM

You added Chandan
You get back ₹500.00
11/29/2023 6:59 PM

You added Tes
You get back ₹54.00

Bottom Navigation: Profile, Home, Add

Per User Transaction



11:04

Arpan Mahato
you owe ₹91.63 to Arpan Mahato

ACTIVITIES

| Date | Activity | Amount | Status |
|--------|---------------------------|--------------------------|------------------|
| Dec 9 | Dinner | You paid 500.00 | You lent ₹300.00 |
| Dec 9 | Dinner | You paid 500.00 | You lent ₹300.00 |
| Dec 9 | Lunch | You paid 230.00 | You lent ₹130.00 |
| Dec 2 | Yhg | Arpan Mahato paid 50.00 | You took ₹0.00 |
| Dec 2 | Recorded as cash payment. | Arpan Mahato paid 821.63 | You took ₹0.00 |
| Dec 2 | Zfood | Arpan Mahato paid 500.00 | You took ₹250.00 |
| Nov 29 | Chandan | You paid 1000.00 | You lent ₹500.00 |
| Nov | Tes | | You lent |


Send Reminder


Settle Up Add Expense


Bottom Navigation: Profile, Home, Add

Add Transaction




11:04



 Dinner


 250

Paid By You and split equally

Transaction Details

11:04




Transaction ID:
6573fc6147ab1c76b723ae8f


Paid By:
Chandan Kumar




Transaction Date:
12/9/2023 5:34 AM

Total Amount:
₹ 250.00

Description:
Dinner


 Chandan Kumar ₹ 125.00

 Arpan Mahato ₹ 125.00


  


Settled Screen


11:04

 **Arpan Mahato**
you lent ₹33.37 to Arpan Mahato

ACTIVITIES


Dec 9  Dinner You lent ₹125.00


Dec 9  Dinner You paid ₹300.00


Dec  Dinner You lent



33.37




Arpan Mahato paid You.
Recorded as cash payment.

Dec 2  Zfood Arpan Mahato paid 500.00 You took ₹250.00

Nov  Chandan You lent

 Send Reminder

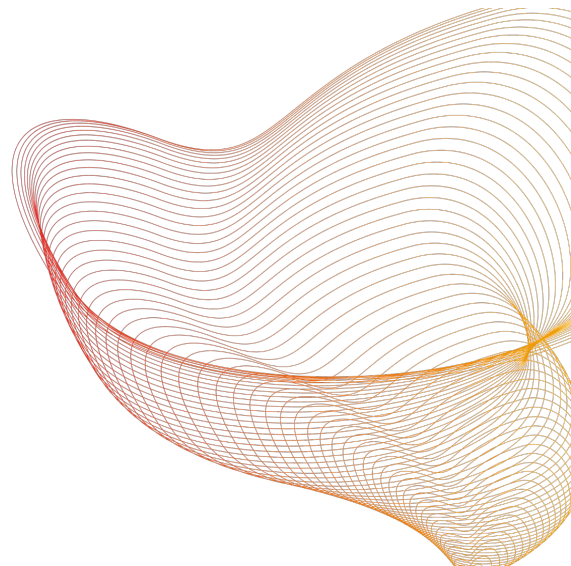
 Settle Up  Add Expense



Challenging Points

1. Designing a database structure to accommodate transactions involving multiple users, both currently and in the future.
2. Data exchange between the client, server, and database can slow down the user experience.
3. Some libraries require native code implementation for iOS/Android, causing development complexity





Thank You