Splitwise (Sharing APP)

Low Level Design

Rough Flow:

user

L) OpenS APRO

Splitwise

List of Friends

Totalomount

Spent:

Ome:

9etback:

expenses:

All this info appears on the screen.

kloricing:

Adding Expense:

us paid 1000/- for lunch

Funch

paid By VI

Amount paid 1000

Split Type (Equal Dhequal 1)

Split among U2

u1

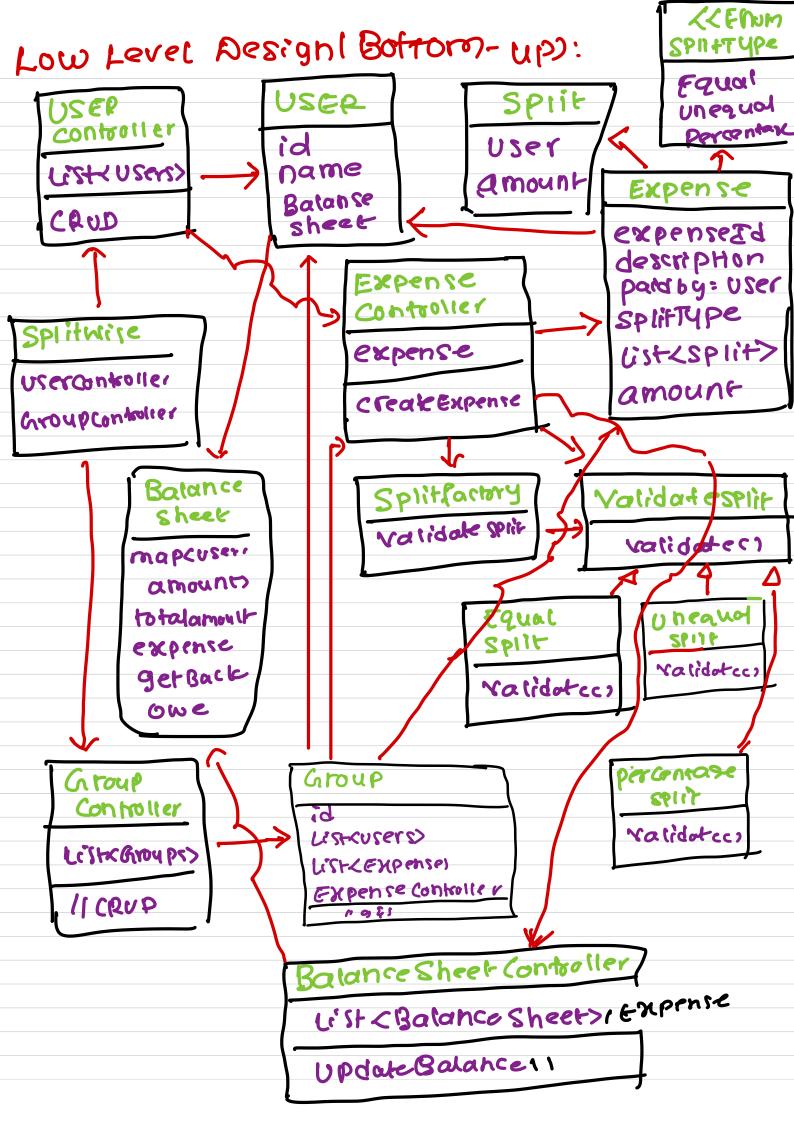
Soi is splif among freends.

Requirements Gathering:

- 1) Add a friend (CRUD)
- a) Add a group (CRUP)
- 3) Add an expense to a prient
- u) Ada a friend to a group
 - 5) Add on expense to a group
- 6) Expense Spliting Types
 - a) Split Equally
 - 6) Splif unequally
- c) -1. Split-71 update individual balance sheet

OBJECTS:

- y User
- al Group
- 3) Expense
- u) Balance Sheer
- 5) Split
- 6) Splitwise



Balance Sheet UPdate:

When Expense Controller Creates an expense -- Balance sheet controller which has list of Balance Sheets updates each Balance sheet of the user U2: getback=250 cos shod in estate Rough Flow: for U2 u one: 250 U U2 BalanceSheet Balance Sheet:

totalamount:500
Expenses:250
getBacic=250
owe =00

totalamount = 00

Expenses = 250

getBacic = 0