Steps

1. Get all expenses of a group.
2. Filter normal expenses → expenses
3. For every expense, find user Expenses.
4. Iterate over all the user Expenses ---
   calculate the extra amount for every user
5. Pass this to heap strategy, $List<Transaction>$
6. filter the transaction that are part of this user.

} Group Settle

Ex:

expl:

whoPaid: A: 1000, B: 1000

whoHadToPay: A: 500, B: 500, C: 500, D: 500

How are these stored? -

e_1

Expense

desc: dinner
amount: 2000
type: normal

userExpenses.

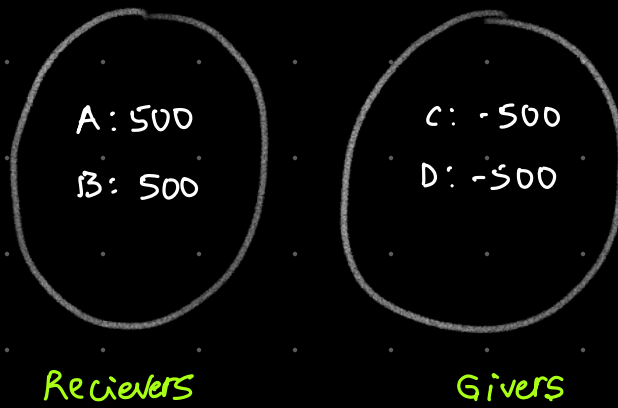| A | e_1 | 500 | hadToPay ← |
B	e_1	500	hadToPay
C	e_1	500	hadToPay
D	e_1	500	hadToPay
A	e_1	1000	Paid by
B	e_1	1000	Paid by.

Extra amount for every user.

| A: 0, B: 0 |
| C: 0, D: 0 |

A: -500 , A: -500 + 1000 : 500
B: -500   B: -500 + 1000 : 500
C: -500
D: -500

Using these we calculate transactions.

A : 500
B : 500

Recievers

C : -500
D : -500

Givers

Transactions:

C → A : 500

D → B : 500

Filter the transactions for an user, (A).

C → A : 500 ✓

D → B : 500