

The mobile app for **splitting common costs between friends**.

E.g. a person lives with a roommate/girlfriend/boyfriend and both of them spend money on different things they both will use. Like food, rent, things for home etc.

And they want their costs to be equal, so they need to keep track of their common spendings. Later they can see who owes to whom and pay back.

This works the same in other situations and with more than two people. Like a trip with friends where each of them pays for everybody, e.g. in a restaurant.

Main functionalities:

- a user can create a group and invite other users to the group
- a user can have multiple groups with different people or same people
- a group has a common balance for all the participants
- each of the participants can add a new spending with a title and amount of money, e.g. a payment made by a participant for a product/service used by all the group participants
- other group members will get the notification and see the added spending immediately in their apps
- the total costs sum of each participant is updated as well as the balance, showing who owes whom
- if a user has a negative balance with another user in the group, it is possible to perform a pay back which will shift the balance between the users, e.g. they met in real life and the debtor paid off in cash
- a user can add a photo of a receipt to the spending, if it is not added other group members can request it
- a spending cost can be split in equal shares or in custom shares between group participants
- when a spending is added, it is possible to enter separate items it consists of, along with the cost of each item, e.g. separate products of the receipt
- each item cost can also be split in equal shares or in custom shares between group participants, e.g. in a restaurant each participant ordered a different meal with a different price, so each person will have 100% share for their meal and 0% share for others' meals
- a group has its currency which is set during the group creation
- group spendings have their own currency which defaults to the group currency
- spending currency can be changed to a currency different from group currency
- on changing the spending currency the user is offered an exchange rate between selected currency and group currency obtained from an internet financial API or the user can enter an exchange rate manually
- a spending with a custom currency will contain its cost both in the selected currency and in the group currency which will be used for calculating the balance

Other functionalities:

- creating a user profile, logging
- a user can add other users to a friends list
- personal finance mode (group with only the owner-user) to track solo spendings
- setting a spending limit till some point in time, it is shown how much money is left to spend till reaching the limit, if the limit is reached the user gets notified
- chats for users and groups
- commenting of spendings by group members
- tutorial screens for new users on how to use the app
- Q&A section
- user app settings: dark theme, privacy(who can invite to groups/friends), changing profile information/avatar, blocked users, language, notifications settings
- group setting: who can invite to group (only original owner/all members), background, group information/avatar, notifications settings
- all notifications/activities timeline (for all user's groups)
- currencies converter
- spendings analytics:
 - each spending/item is assigned some category automatically(applying some dictionary to a spending title) or manually, e.g. grocery, rent, entertainment etc.
 - then a user can see what was the total cost for each category in the selected group/all the groups during specified period of time
 - this information can be presented using some visualization like diagrams or pie charts
- spending templates: will allow users to save a spending as a template and use this template later when a similar spending needs to be added

Possible functionalities:

- ads in the app, possibility to purchase "premium version" without ads, providing offers like "invite a friend to get premium for month"
- option to pay back with actual payment from the app, e.g the app will redirect you to a picked payment method to make the transfer, preparing some payment details for the actual banking site or application