

The Problem

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Sharing expenses between roommates is complicated, you need to exchange money every time someone does a shopping.



Often if the roommates are students or workers, it is difficult to find a time when everyone is present.



When traveling, if payments are made in other currencies, it is uncomfortable to have to calculate the exchange rate each time.

The Solution



AN APPLICATION THAT GROUPS EXPENSES OF A CERTAIN TYPE IN THE SAME PLACE;



INCLUDE THE PEOPLE YOU WANT
TO SPLIT YOUR SPENDING
BETWEEN;

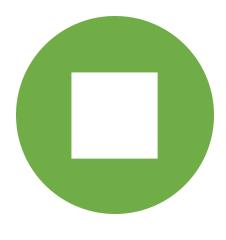


ANALIZE GROUP STATISTICS AND BALANCES.

Split Your Expenses in 3 steps







ADD YOUR EXPENSES

CHECK YOUR BALANCE

SQUARE UP

How does it work?

- Flutter as developing framework;
- Google Firebase as Authentication Service and data manager
- Steady communication with the database;
- No data is saved in local storage;
- The user creates a group and adds expenses to it:
 - Complete customization of groups and expenses;
 - Add up to 50 participants to the group;
 - Split the expense between all or same users;

Group Page



- Visualize name and description of all groups;
- FloatingActionButton to add a new group to the list;
- Use the DB class to download the groups' dataset;
- Salient widget:
 - Scaffold
 - GroupList
 - Swipeable Item
 - GroupVisualizer

Import Group

- Import a new group using a link or id given by a friend
- Validator to check if the link or id is valid;
- When the user provides a valid link or id, the page changes and the user can select who is he.



Expenses Page



- Visualize name, participants amount and date of all the expenses;
- FloatingActionButton to add a new expense to the list;
- Use the DB class to download the expenses' dataset;
- Salient widget:
 - ExpenseList
 - Swipeable Item
 - ExpenseElement

Expenses Detail

- Visualize the details of the expense
- Edit button to edit the selected expense;
- The edit button open a new page to edit all the info of the expense.



User Balances



- Visualize users balances in a dynamic Column chart;
- Display clearly all balances in a list of cards;
- Use the DB class to communicate with the external database;
- Salient widget:
 - SfColumnChart
 - ColumnSeries
 - Card

- Visualize group's statistics such as the total amount of the expenses;
- Give a clear graphic view of the expense split among users;
- Use the DB class to communicate with the external database;
- Salient widget:
 - SfCircularWidget
 - PieSeries
 - Card

Group Statistics

