



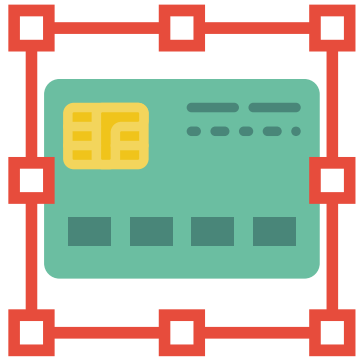
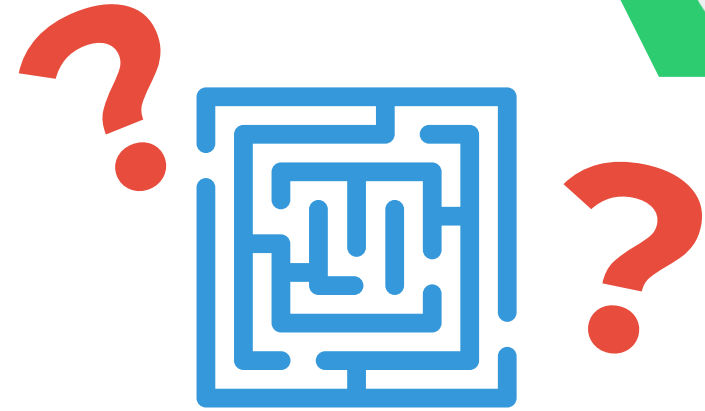
ChangeKeeper

an app by Diogo Silva(89348) & Vasco Ramos(88931)
presented in May 29th for the IHC subject (P4)

The Problem

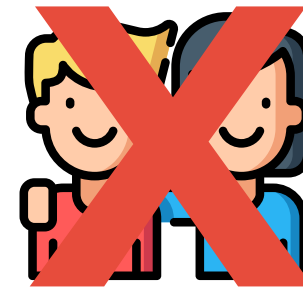


- **Needlessly Complicated**



- **Bank account binding**

- **No loan capabilities**



The Idea

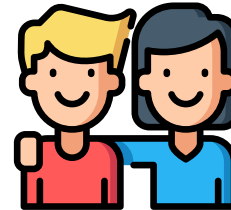


- **Easy-to-use**



- **Keeps track of all transactions**

- **Targeted towards teens & young adults**



- **Manages allowances/subscriptions**



Jão Dias

- **20 years old**
- **2° year Bachelor**
- **Moved to Aveiro**
- **Monthly Allowance**
- **Gym Subscription**





Jão Dias

- **Can't keep track of expenses**
- **Takes too long to manage funds**



-
- **Wants an easy & straightforward way to manage his money**



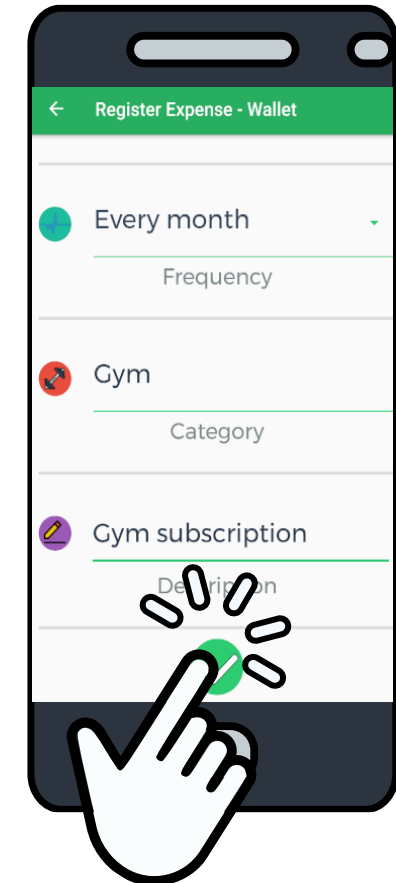
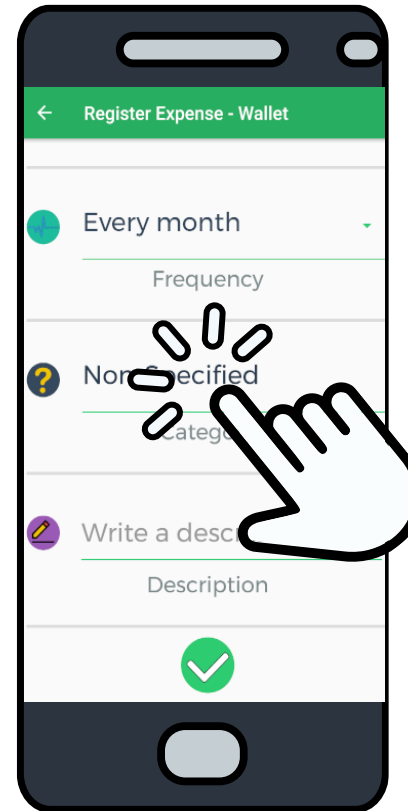
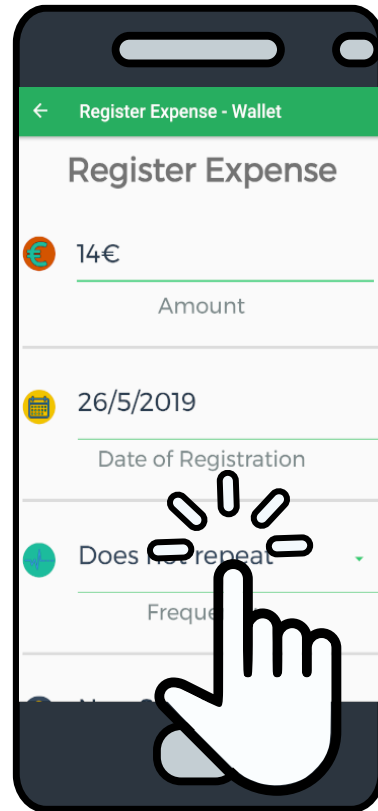
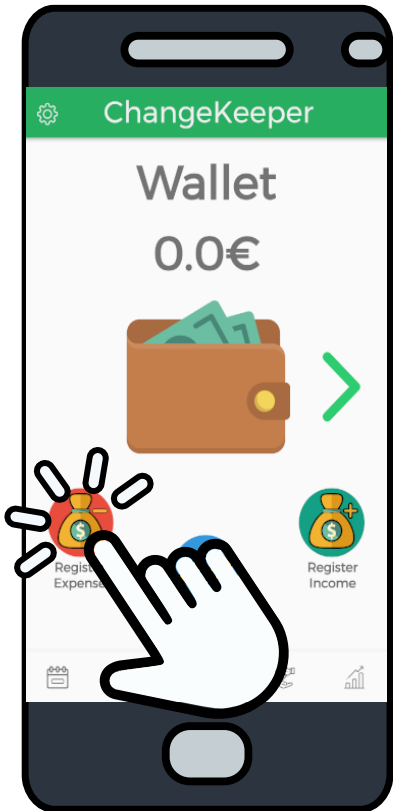
**That's where
ChangeKeeper
comes in!**



The Scenarios - 1



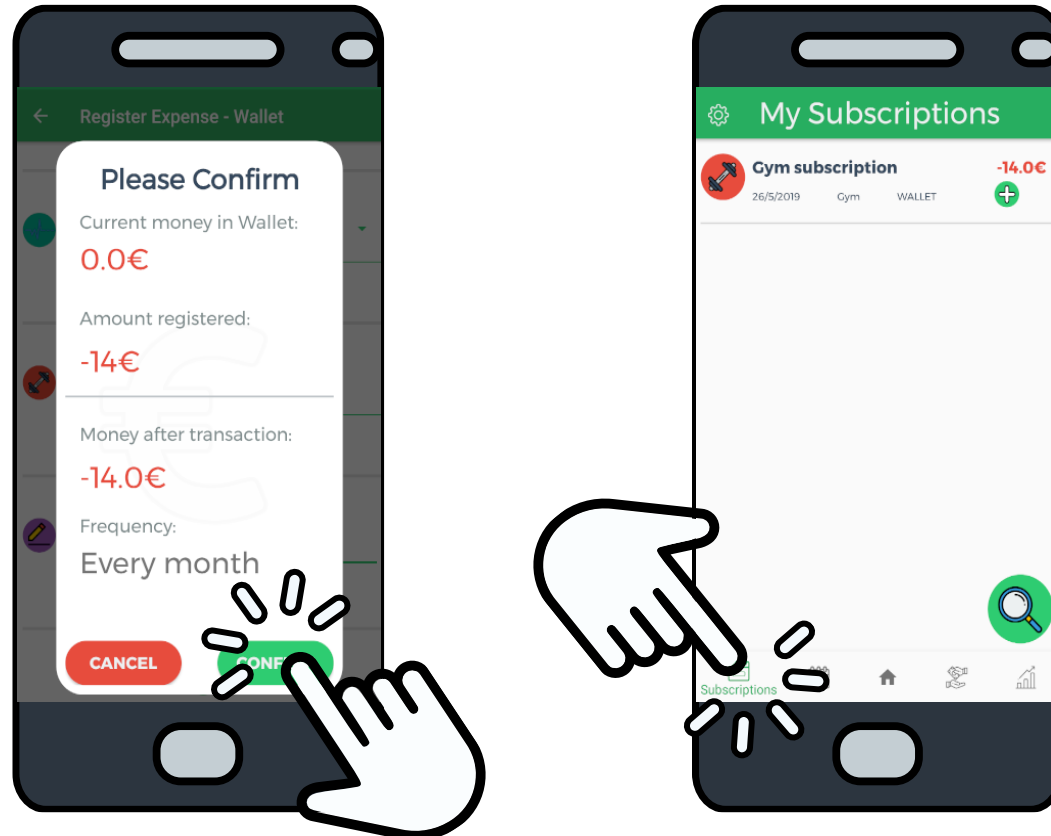
Insufficient Money to pay the gym subscription



The Scenarios - 1

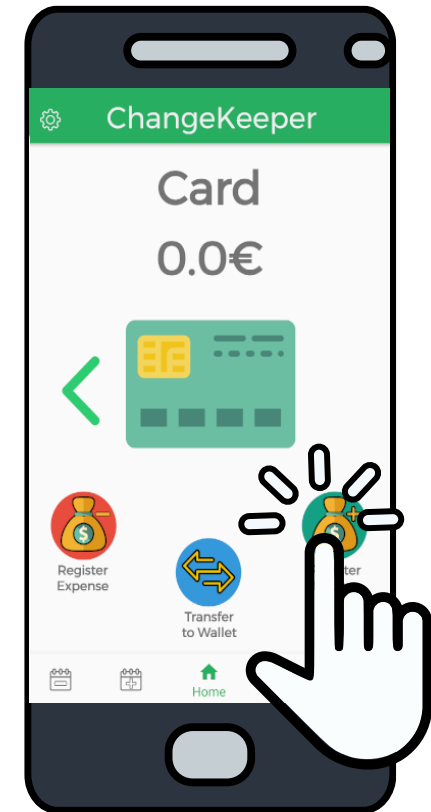
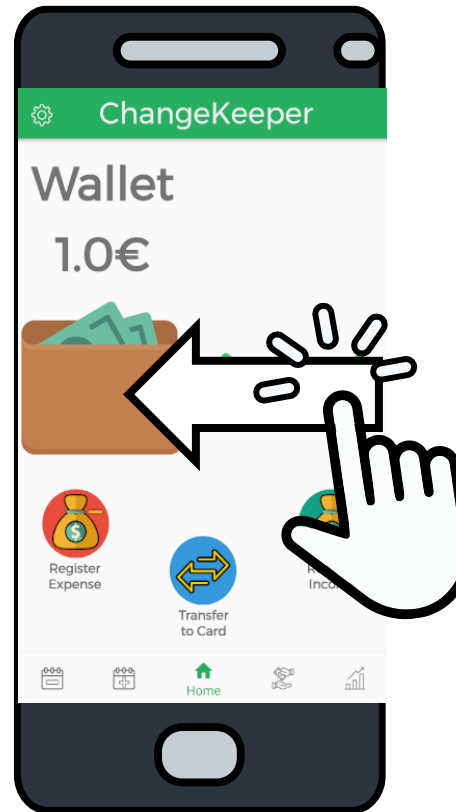
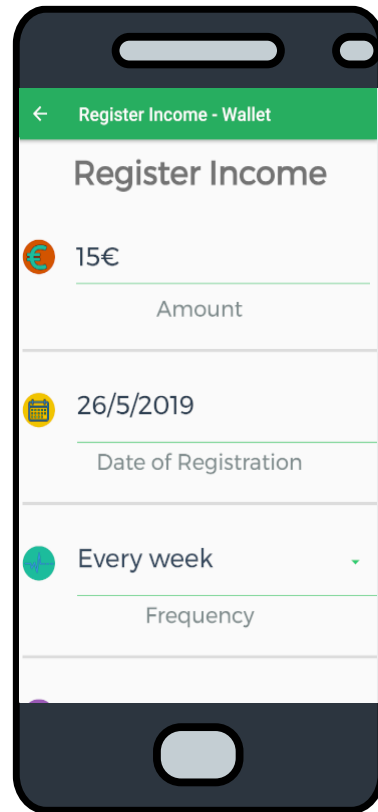
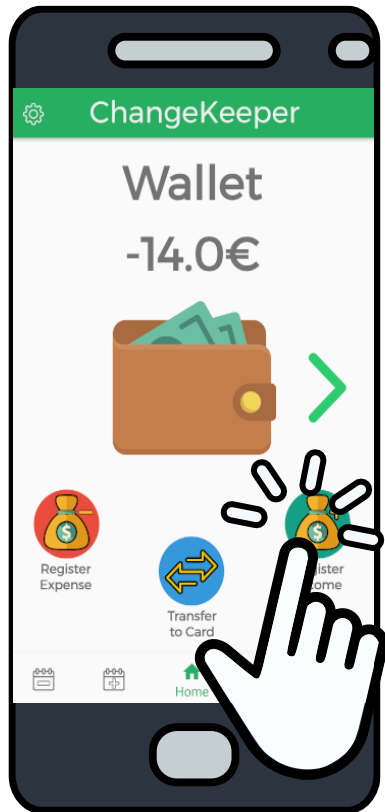


Insufficient Money to pay the gym subscription



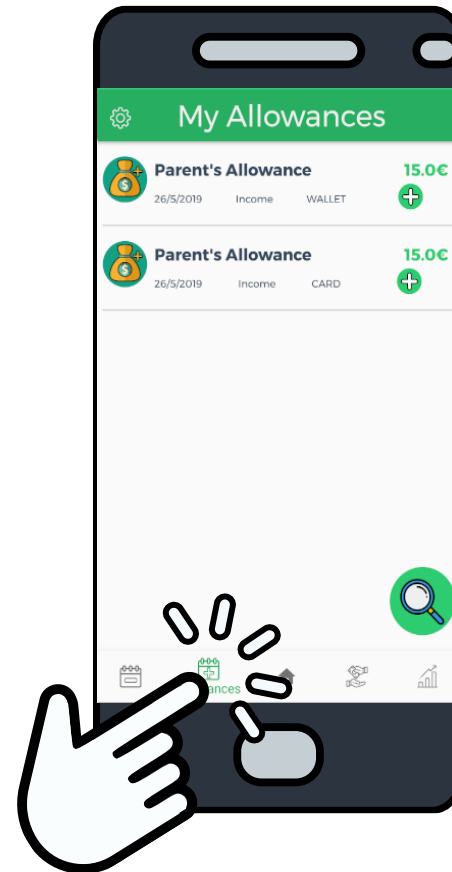
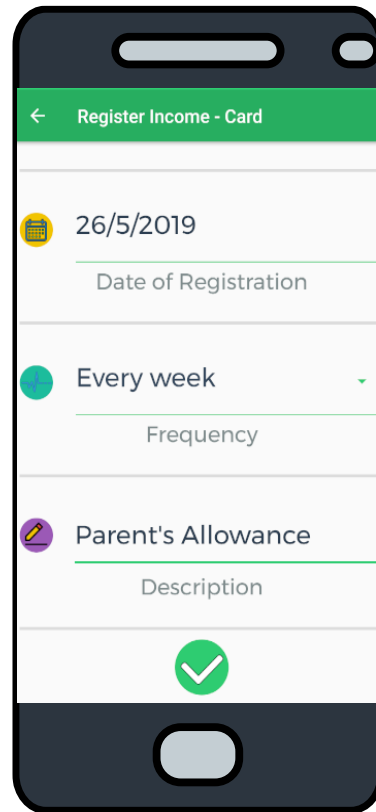


Problems managing wallet & card funds



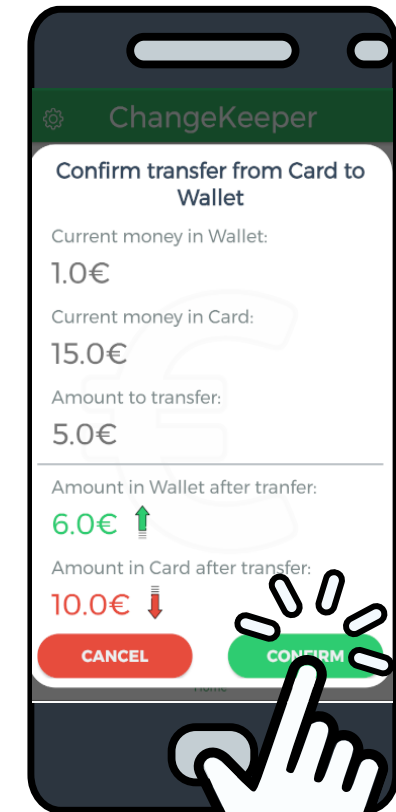
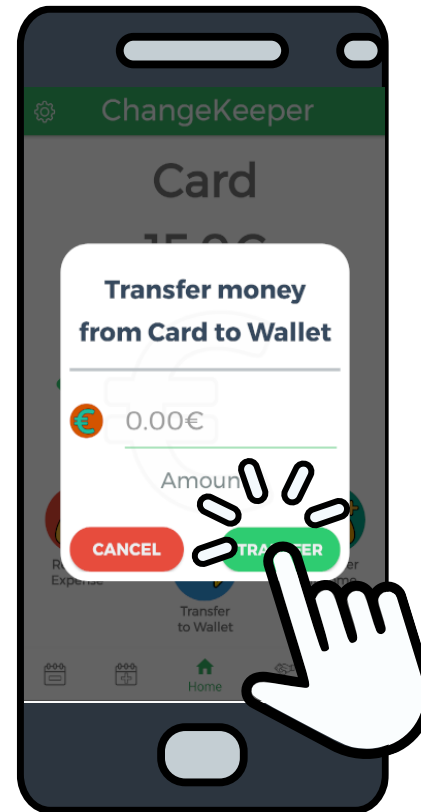
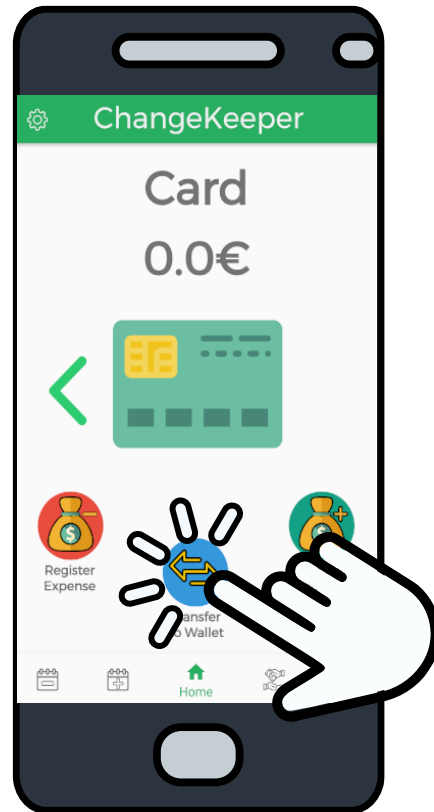
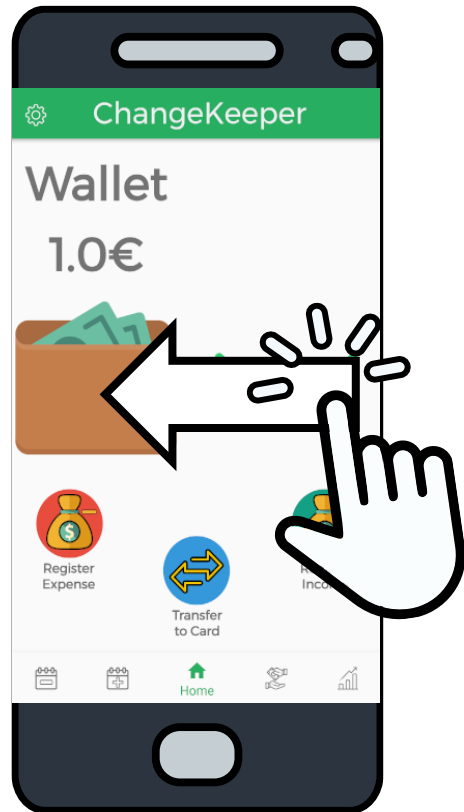


Problems managing wallet & card funds



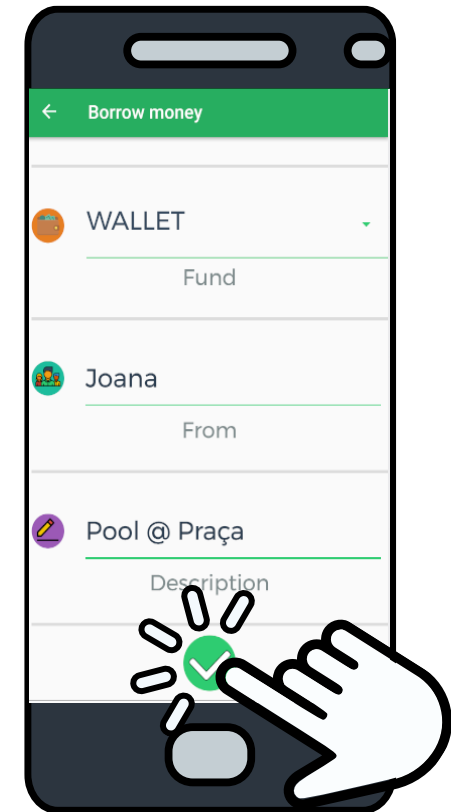
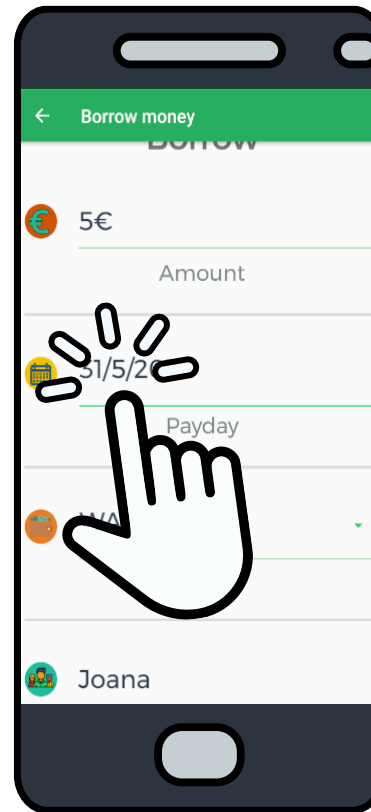
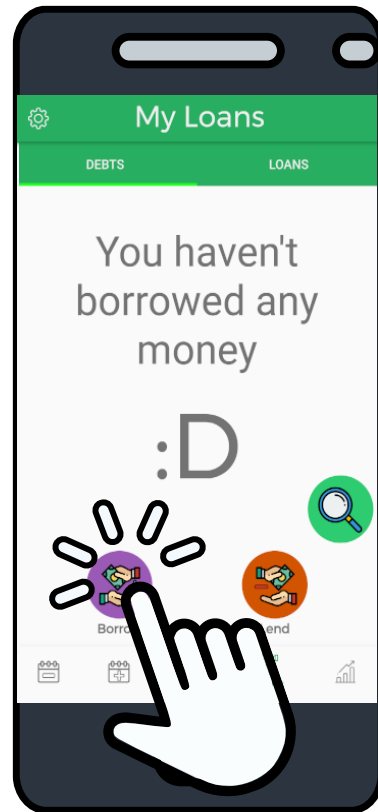
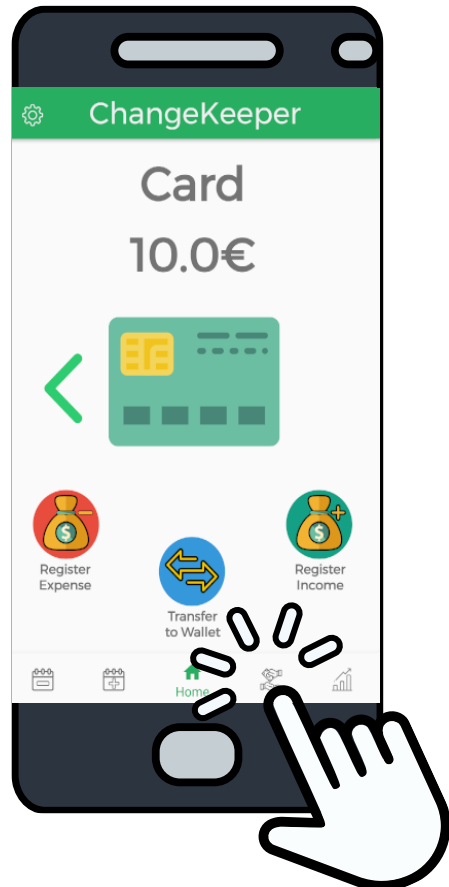


Transfer Money from card to wallet



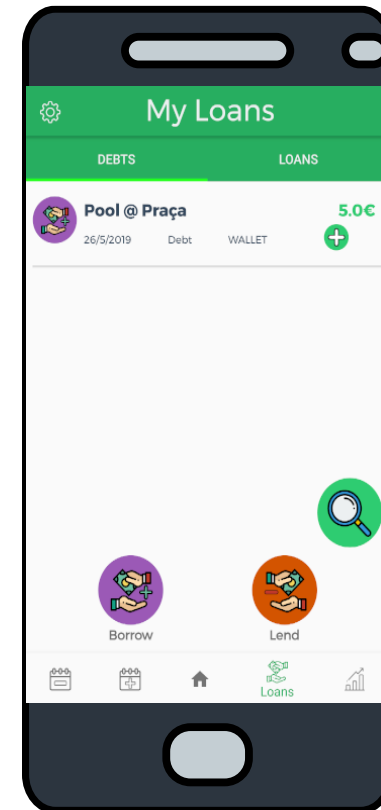
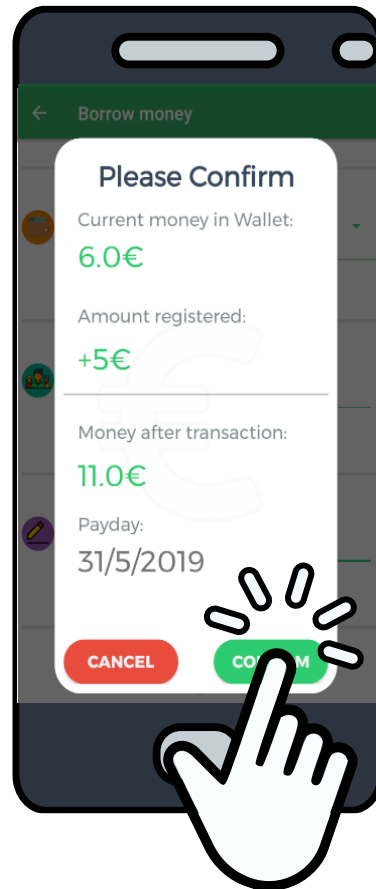


Borrow money to play pool





Borrow money to play pool



The Prototype - Tests



1. **Regist wallet expense**
2. **Regist monthly card income**
3. **Regist money borrow**
4. **Transfer money from card to wallet**
5. **Check info on registered transactions**



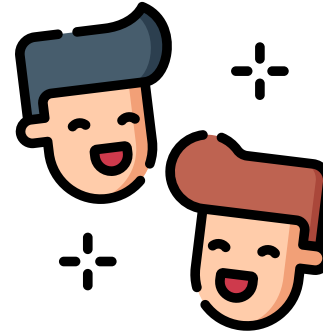
The Prototype - Results



- **8 participants**



- **Positive feedback! (but...)**

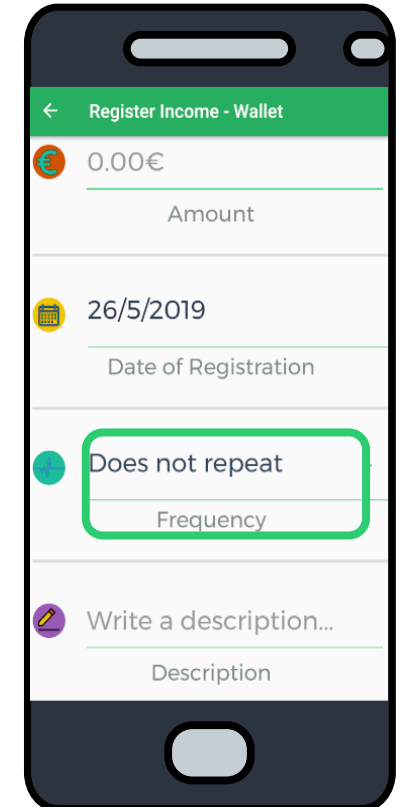
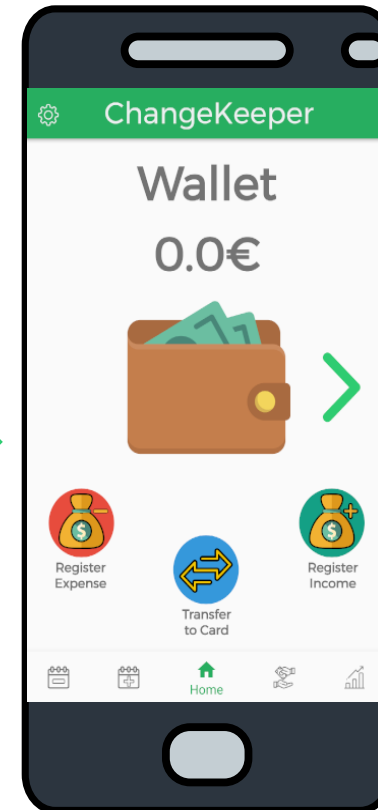
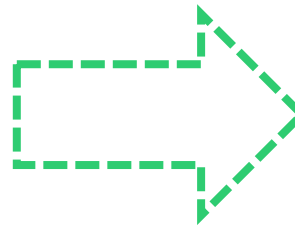
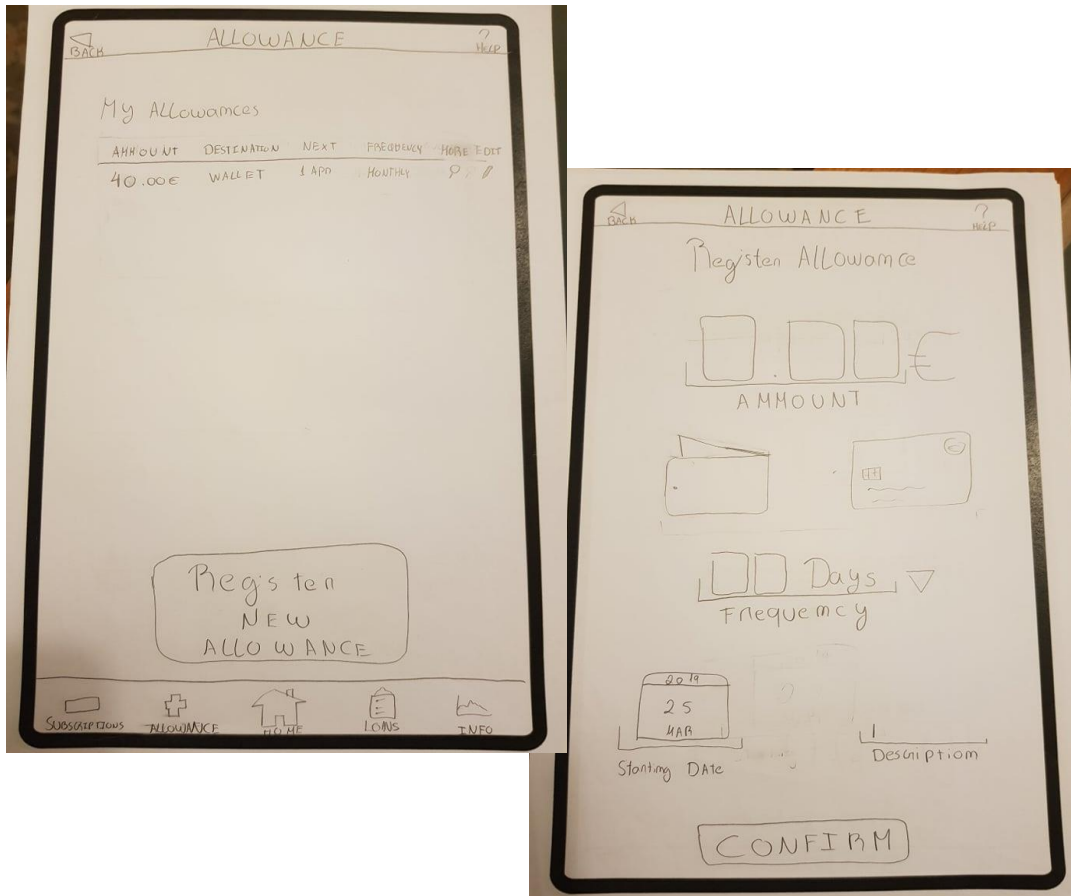


- **Suggestions for improvement!**

The Prototype - Changes



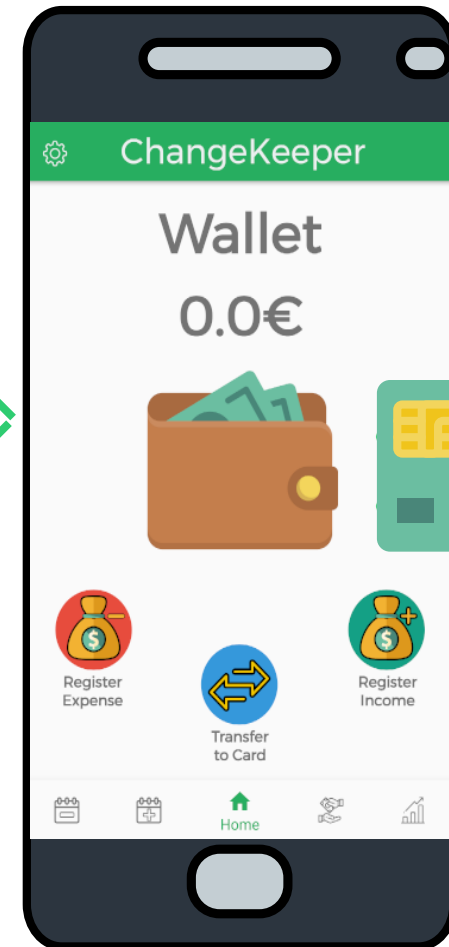
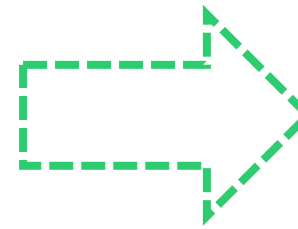
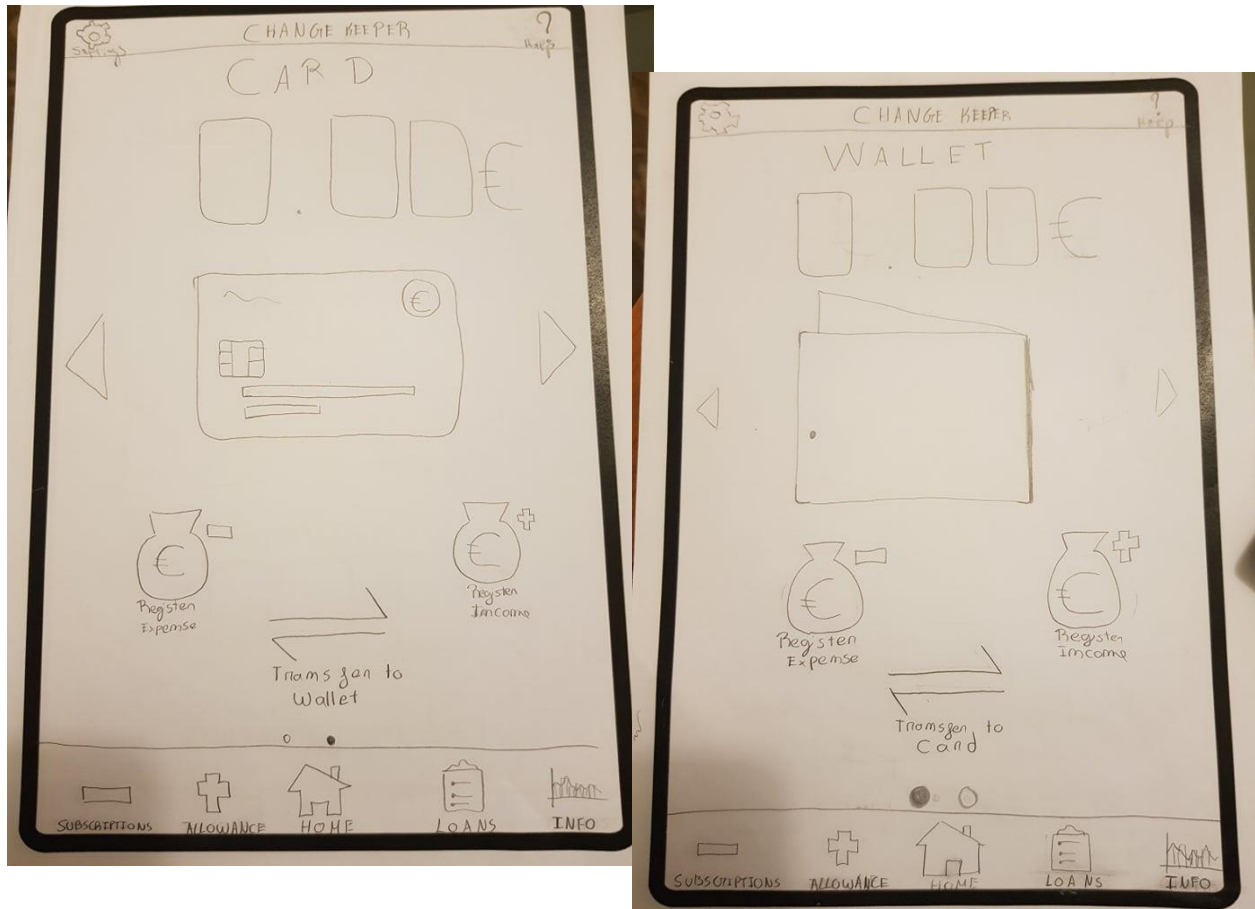
Creation of periodic incomes/expenses



The Prototype - Changes



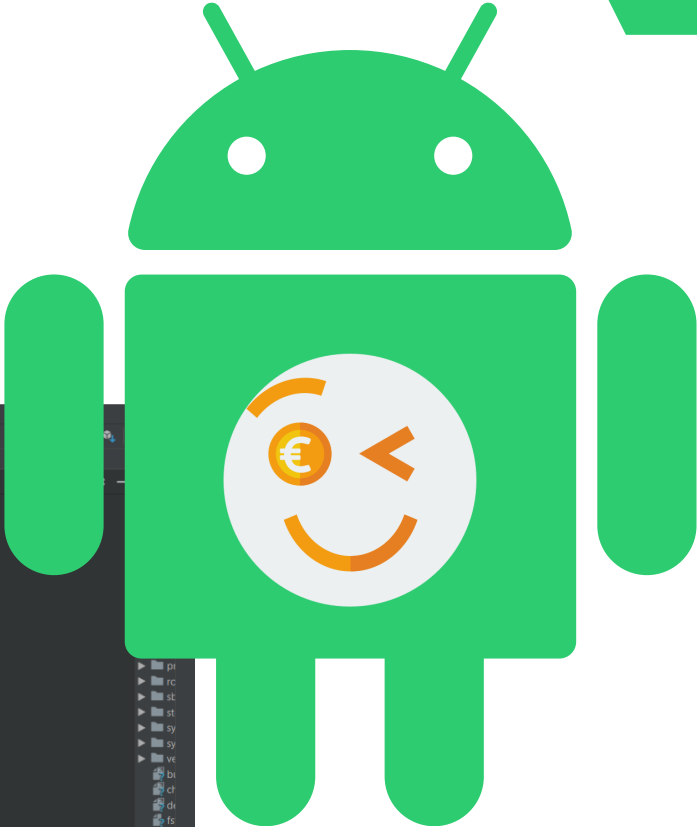
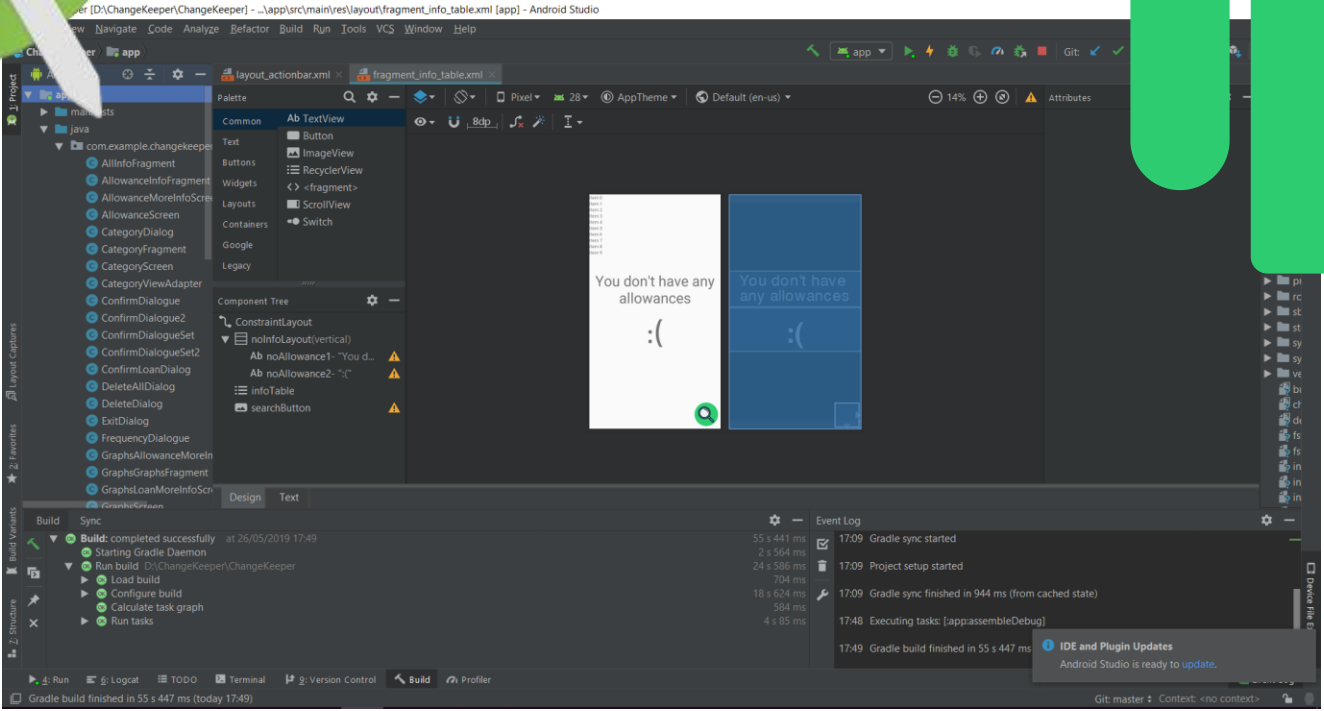
“Carroussel view” between wallet and card



*

***Not representative of the final product**

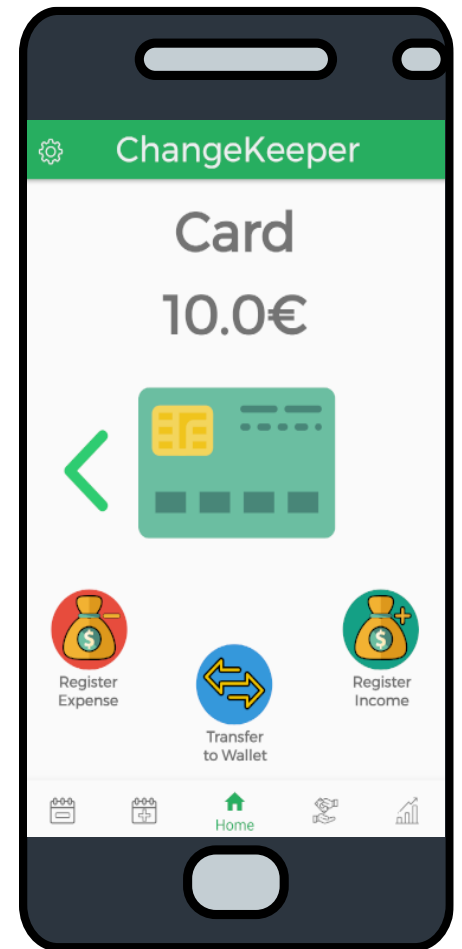
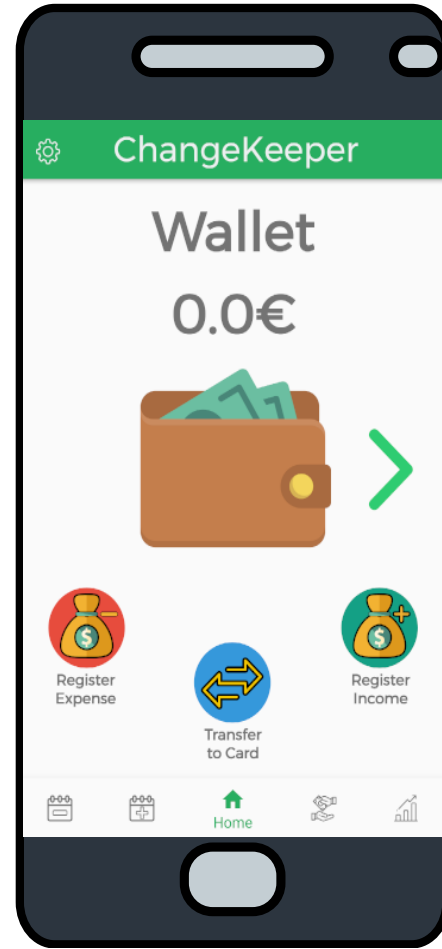
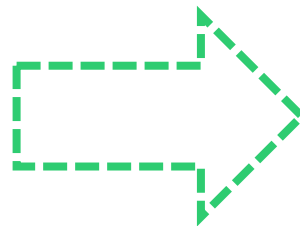
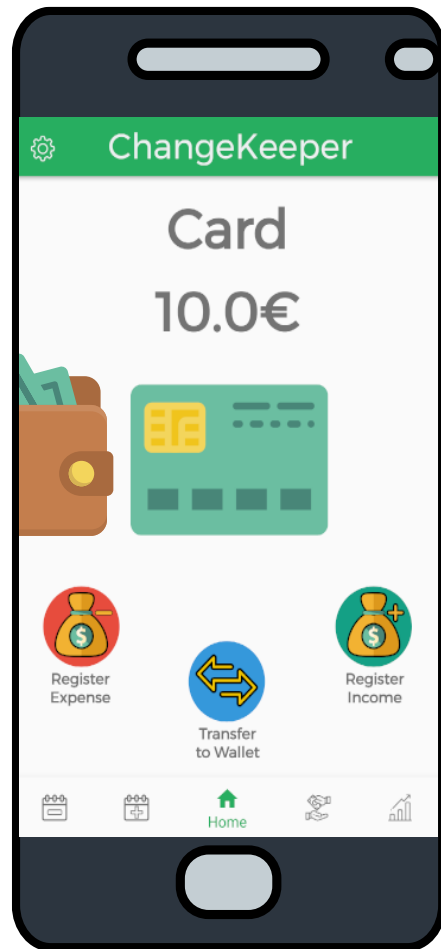
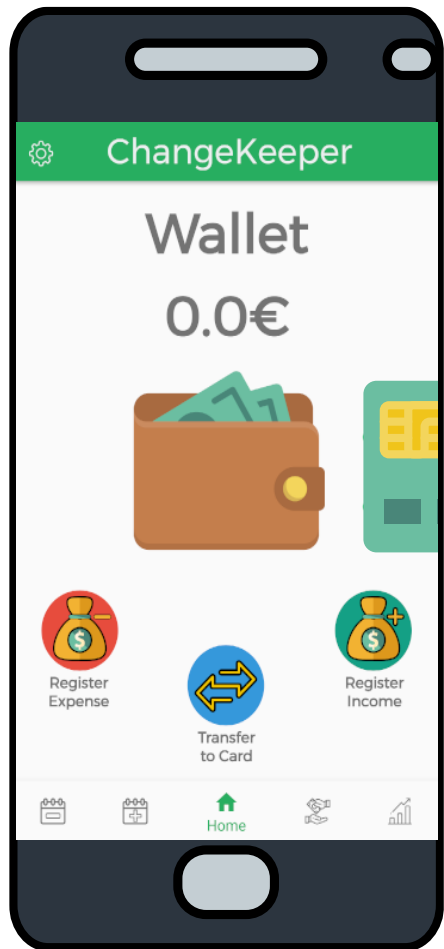
The Development Problems



The Development Problems

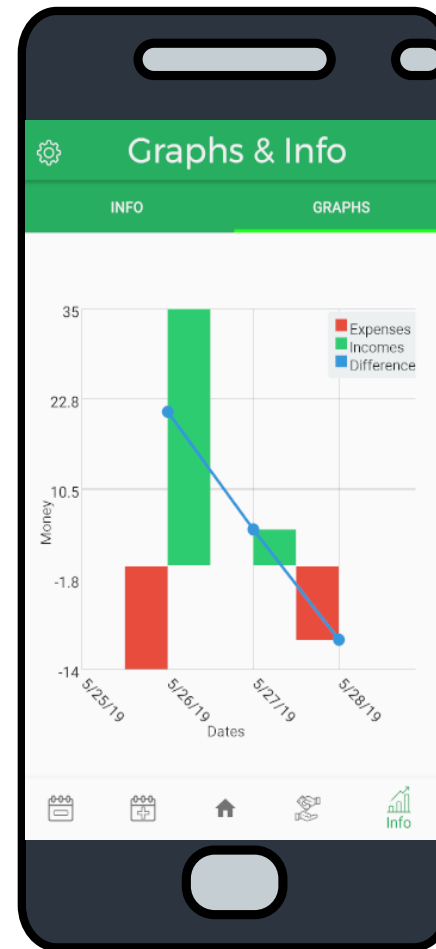
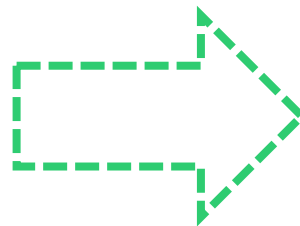
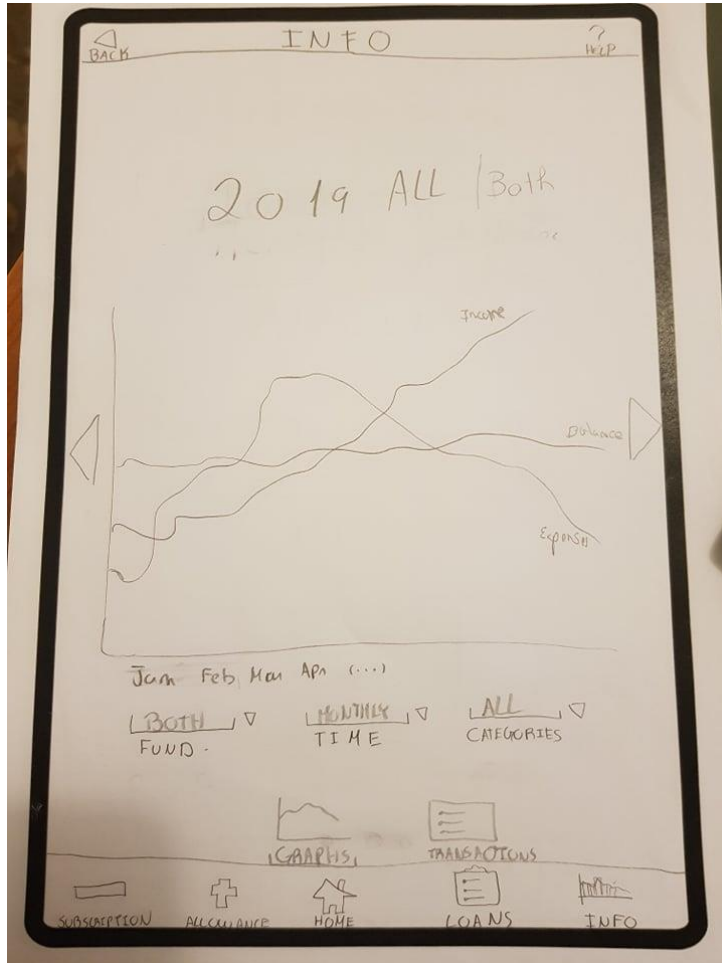


Wallet/Card Transaction



The Development Problems

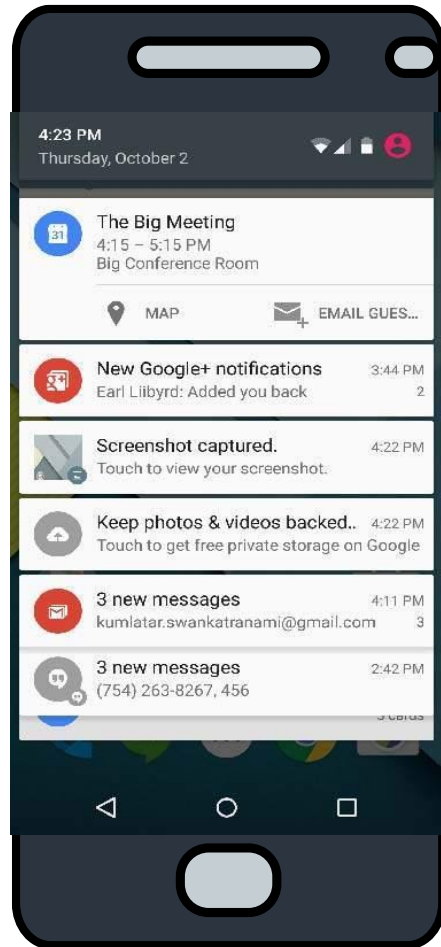
Graph limitations



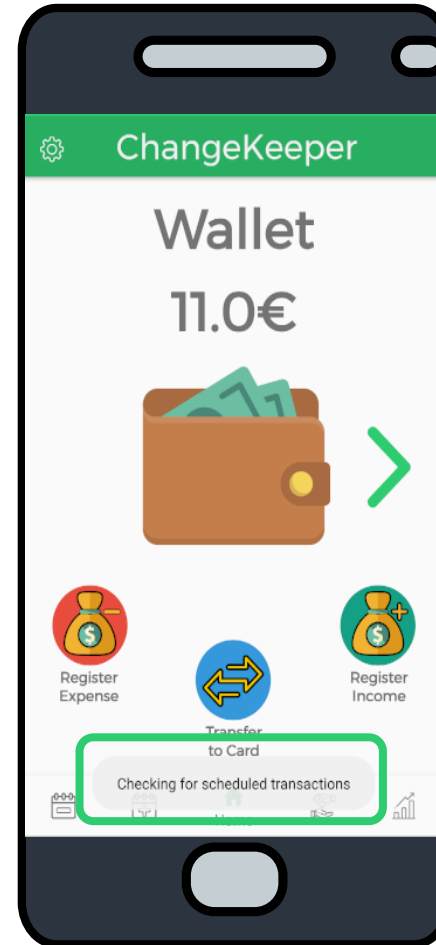
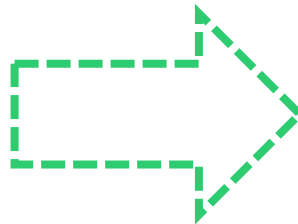
The Development Problems



Notification limitations



*

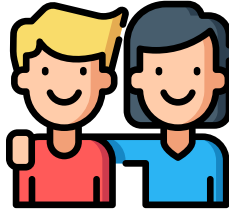


***For illustrative purposes only! Does not represent final product**

The Usability Tests



- **6 participants**



- **6 assignments**



- **1-5 evaluation**



- **Comments & Feedback**



The Usability Tests – Assignments

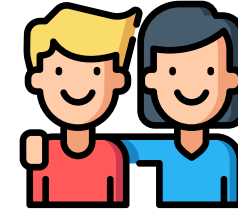


- 1. Regist a 20€ food wallet expense taking place in 20/5/2019 with the description “Lunch with peers”**
- 2. Add 15€ card monthly income. The starting date should be 18/5/2019 and the description should read “Parent’s Allowance”**
- 3. Regist that Antonio lent you 30€ in cash, which you’ve promised to pay until the 31st of may (of this year)**
- 4. You found Antonio and paid him what you owed ahead of time. Regist that you did so**
- 5. Transfer 5€ from your card to your wallet**
- 6. Check out info on all the transactions you’ve done up to now**

The Usability Tests - Results



- **Everyone managed to complete all assignments!**



- **More positive feedback! (but..once again..)**

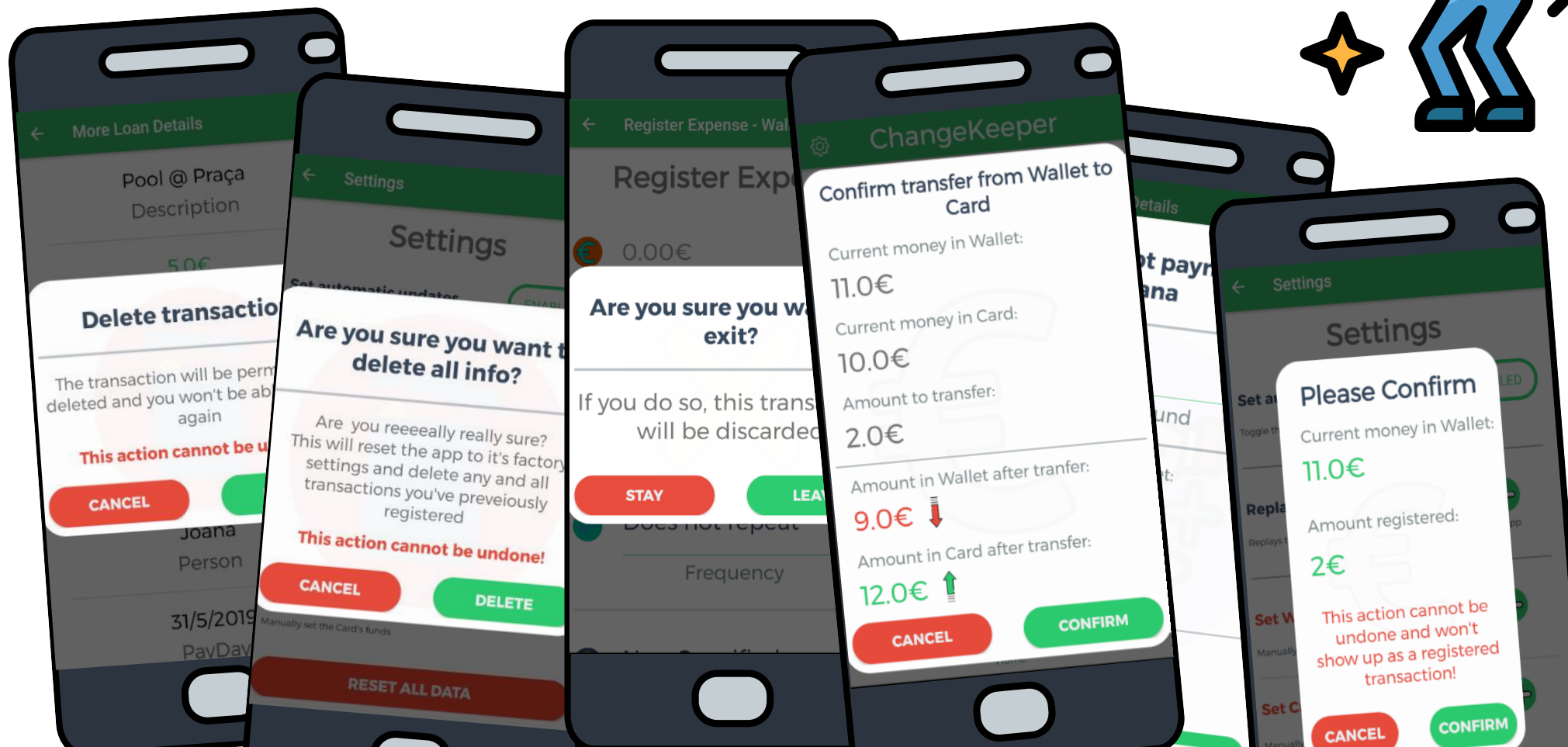


- **Some comments and suggestions on the lack of confirmation transactions...**

The Usability Tests - Results



So we fixed that !



The Usability Tests - Results

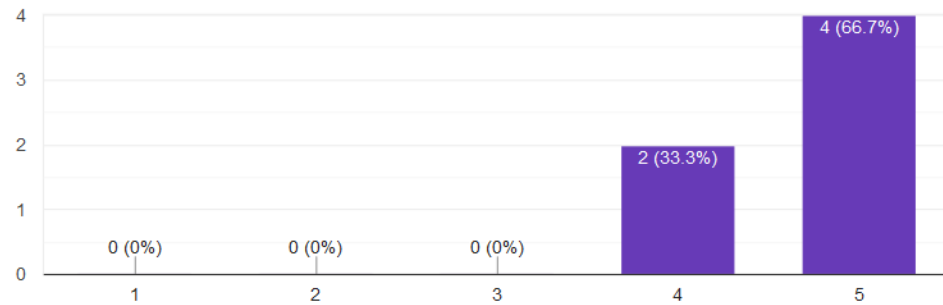


QUESTIONS RESPONSES 6

Tarefa 2

Foi fácil/difícil executar a tarefa?

6 responses

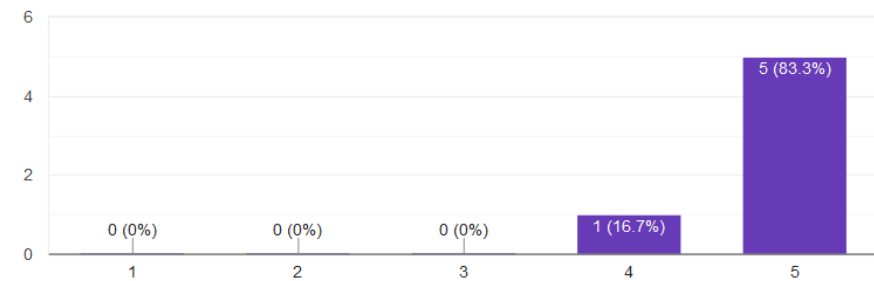


QUESTIONS RESPONSES 6

Tarefa 3

Foi fácil/difícil executar a tarefa?

6 responses



Comentários

0 responses

No responses yet for this question.

The Usability Tests - Results



QUESTIONS

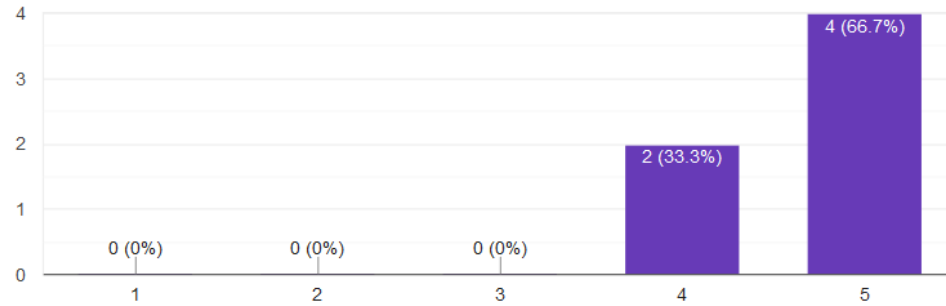
RESPONSES

6

Tarefa 4

Foi fácil/difícil executar a tarefa?

6 responses



Comentários

3 responses

Precisava de um Confirm Button

prevencao de erro

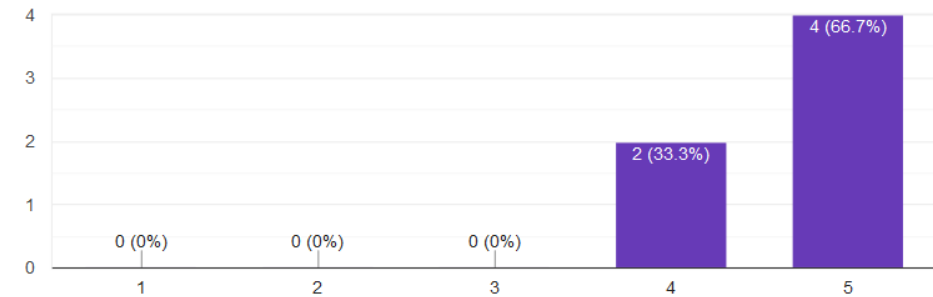
QUESTIONS

RESPONSES

6

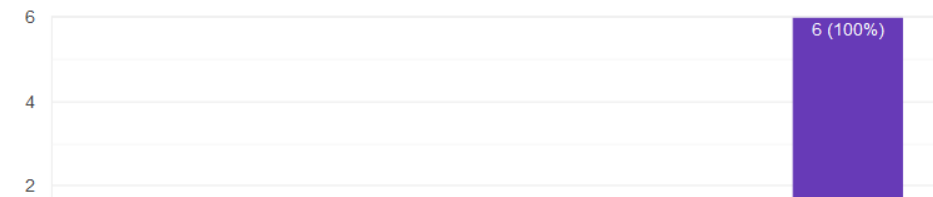
Encontro facilmente o que procuro.

6 responses

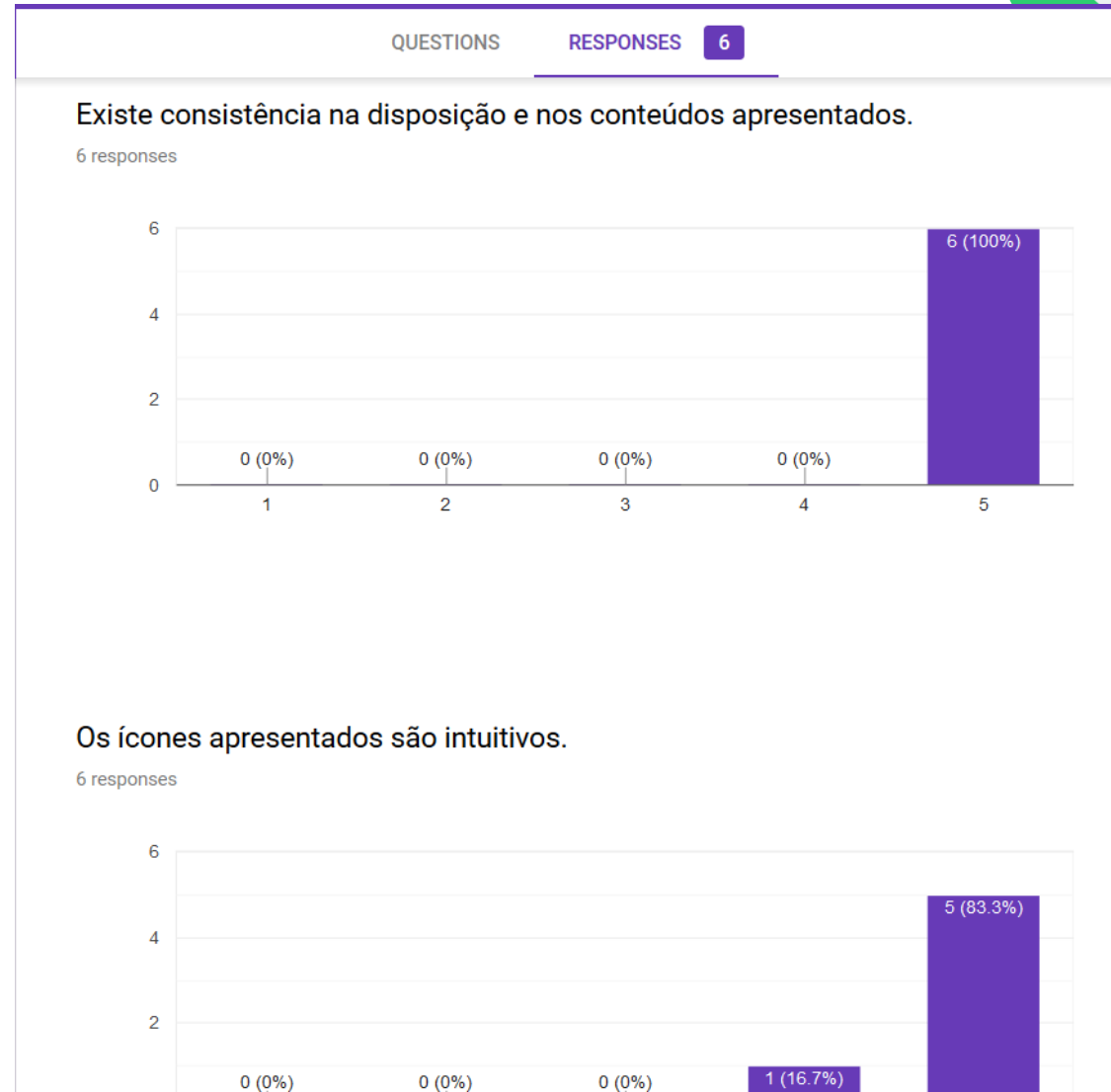
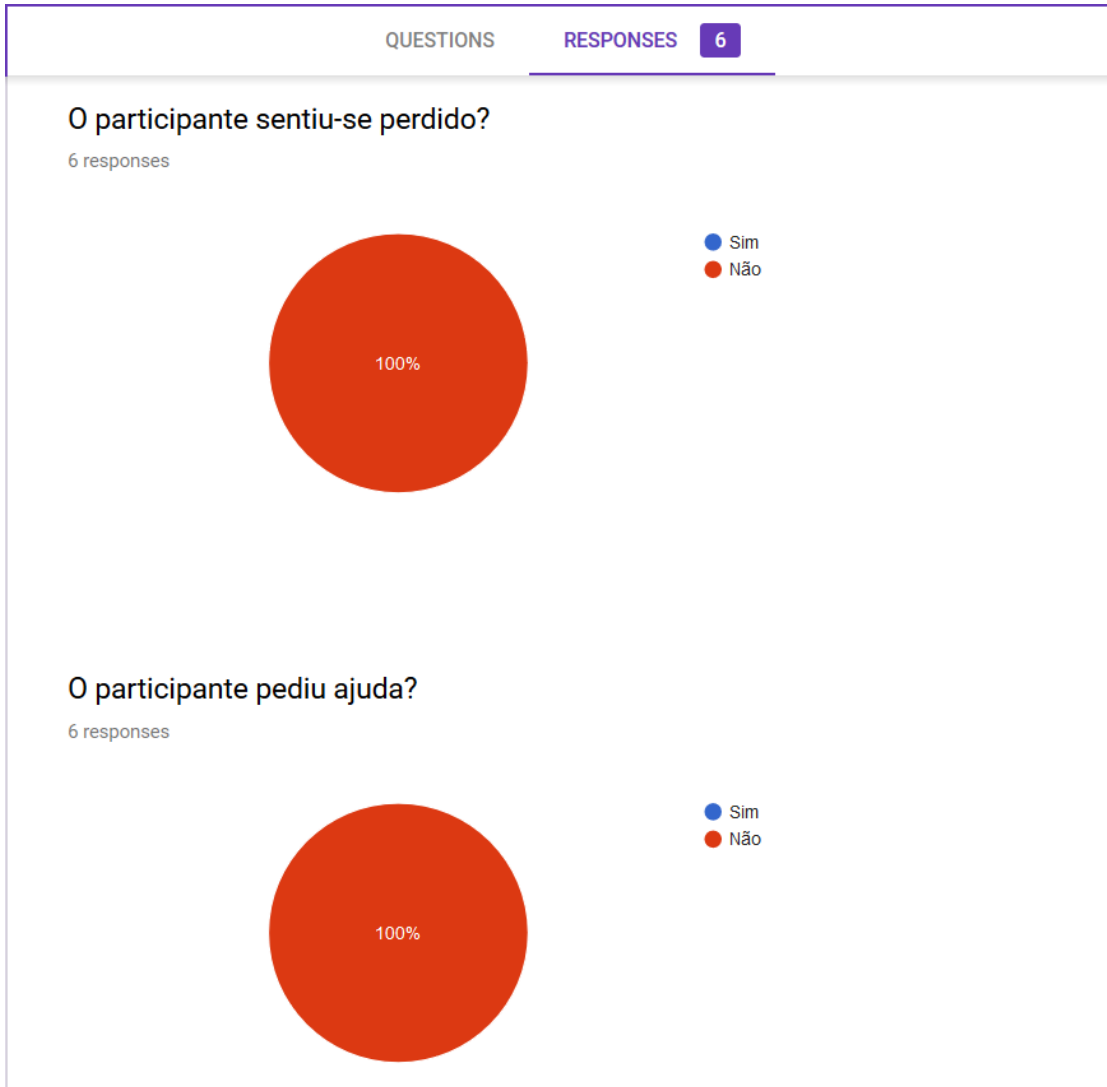


Existe consistência na disposição e nos conteúdos apresentados.

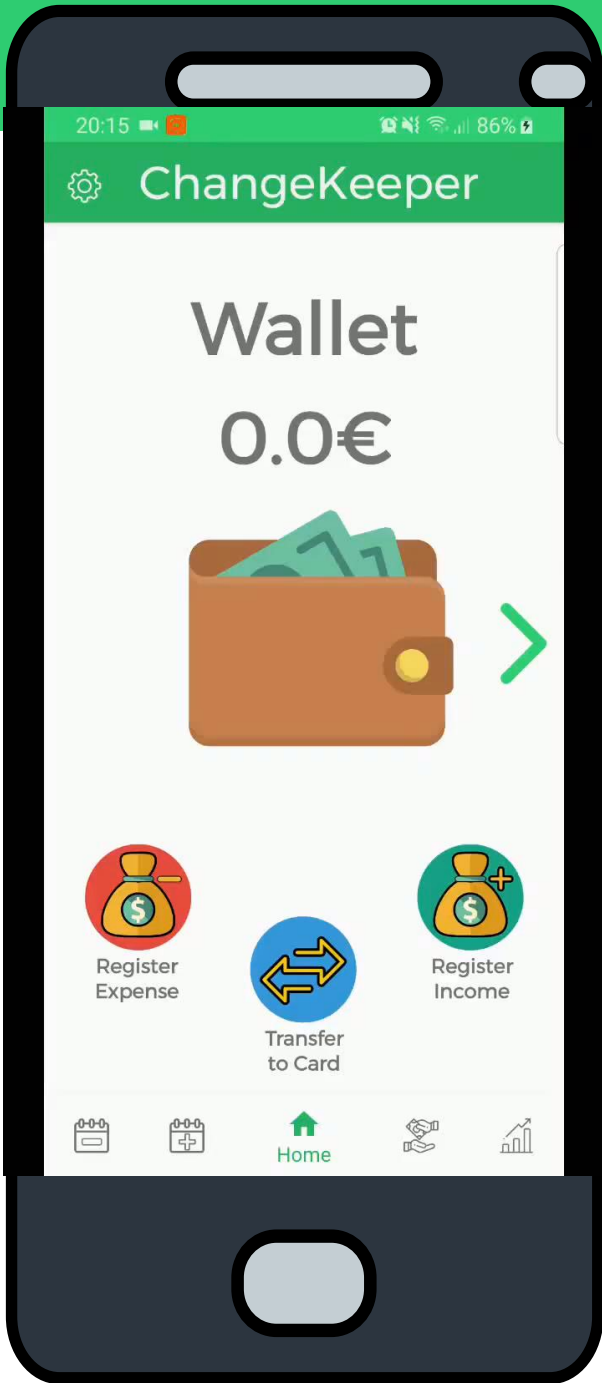
6 responses



The Usability Tests - Results



The Demo





ChangeKeeper