

Immigrants in Portugal



Financial Wellbeing

User-Centered Design and Evaluation

Professor: Augusto Esteves

Our team

Group 13, Gold Rushers, Lab shift on Thursday at 10:00



92447
David Lima



92449
Diana Moniz



92474
Guillermo Bettencourt



93034
Catarina Beirolas

Github repository structure

A screenshot of a GitHub repository interface. The top bar shows 'main' branch, 1 branch, 0 tags, and three buttons: 'Go to file', 'Add file', and 'Code'. The main area displays a commit history:

Author	Commit Message	Date
davidavedolima	Second Assessment	e9f3ceb 1 minute ago
	First Assessment	1 minute ago
	Second Assessment	1 minute ago
	.gitattributes	Initial commit 2 weeks ago

A screenshot of a GitHub repository interface. The top bar shows 'main' branch, 'CCU-Team-13 / Second Assessment /', and three buttons: 'Go to file', 'Add file', and '...'. The main area displays a file list:

File	Type	Last Commit
..		
Evaluation Plan	Second Assessment	now
Other Resources	Second Assessment	now
Prototypes	Second Assessment	now
User Evaluations	Second Assessment	now
presentation-slides.pdf	Second Assessment	now
team13_video.mp4	Second Assessment	now

Second Assessment

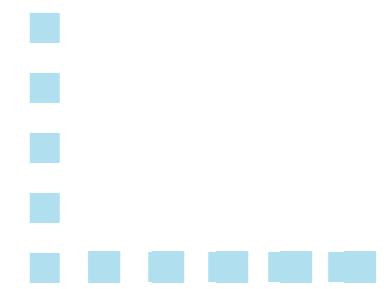
- Journey -

DECEMBER 2022

MON	TUE	WED	THU	FRI	SAT	SUN
28	29	30	1	2 We went to professor Augusto's office hours Rewriting of Hunt Statement Ok from Joana received	3 Joana and Gabriel were contacted and asked if they would mind being interviewed	4 Interview with Joana(Diana and David L.) Maria was contacted and asked if she would mind being interviewed
5 Ok from Gabriel and Maria received	6 Interview with Gabriel (Guillermo and Catarina)	7 Interview with Maria (Guillermo and David L.) Post-Interview questions were sent to all 5 participants	8 Finished analysing and synthesizing information gathered from all interviews	9	10 Brainstorming of possible solutions and storyboarding Video Editing	11 Making sure everything is ok and ready to be delivered :)
12	13	14	15 In class, we started discussing which of our ideas that came from the ideation process would we bring forward We contacted the people who had been interviewed and asked them for their availability to help us with testing	16 We completed our first iteration of the low-fidelity prototype, prepared for user testing and conducted some Wizard of Oz pilot tests with friends and family	17 After refining user's tasks based on feedback we received during pilot tests we went to IST to conduct Wizard of Oz tests	18 Based on the feedback we collected from the Wizard of Oz testing combined with the Think Aloud we asked from our users, we made our second iteration of the low-fidelity prototype
19 We conducted another round of Wizard of Oz testing with users we recruited both at IST and at FCUL	20 Refining of our prototype and creation of the mid-fidelity prototype	21 Testing of our mid-fidelity prototype via zoom We started preparing the script and documents for the video	22 Final changes after talking with professor Augusto during the lab and making sure everything is ok and ready to be delivered :)	23	24	25
26	27	28	29	30	31	1

Our process - Overview

Creation of first low-fidelity prototype



First round of user evaluations

Second iteration of low-fidelity prototype

With user feedback



Second round of user evaluations

Evaluation plan for high-fidelity



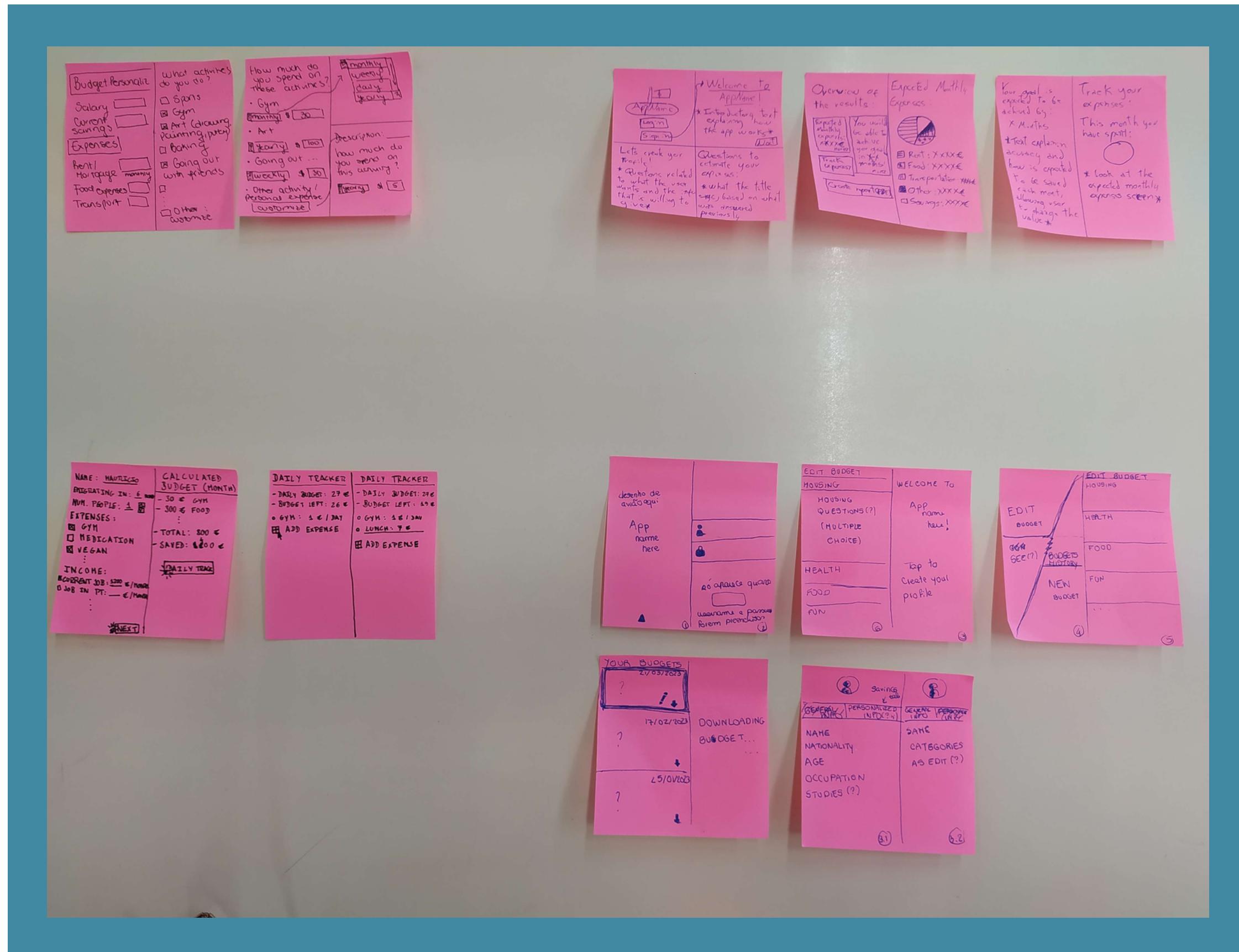
Third round of user evaluations

Creation of mid-fidelity prototype

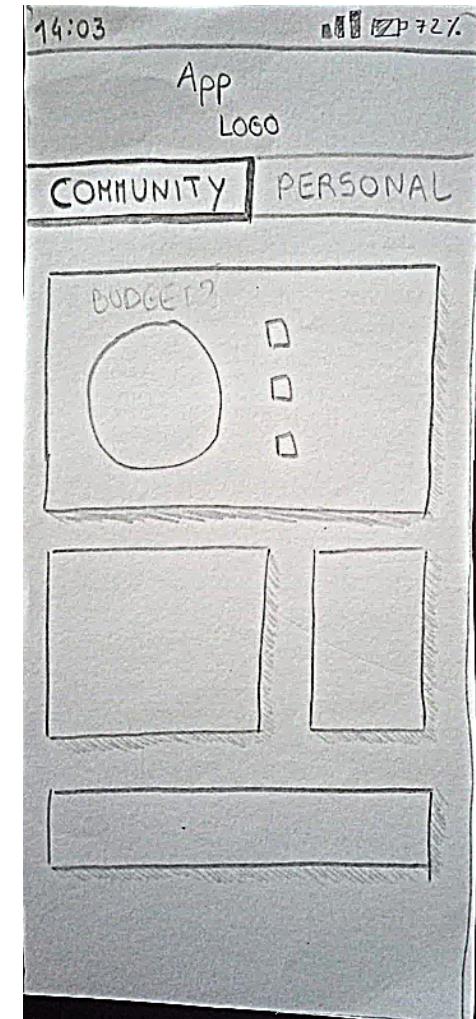
With user feedback



Brainstorming for Paper-Prototype



Low-Fidelity Prototype - First Iteration



Low-Fidelity Prototype - First Iteration

19:03 08:00 73%

COMPLETE YOUR PROFILE

NAME

AGE ▾

NATIONALITY ▾
LIVING IN PORTUGAL
YES

DONE

App LOGO

19:04 08:00 72%

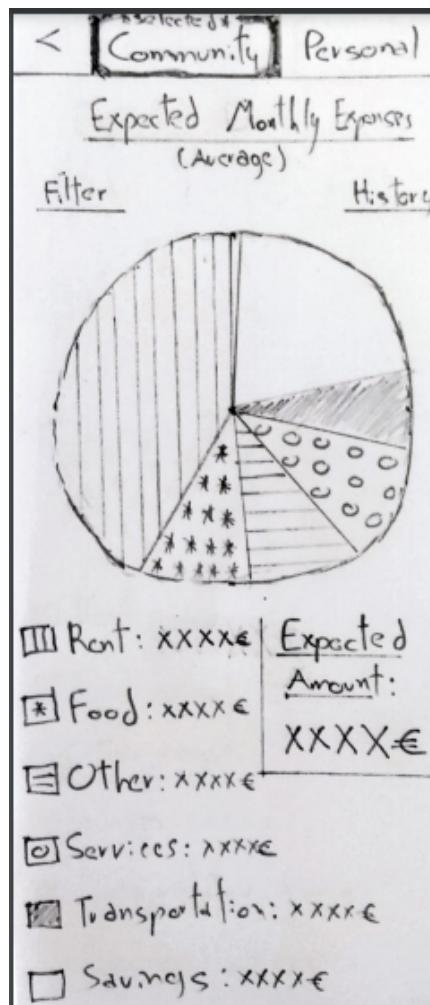
App LOGO

COMMUNITY PERSONAL

YOUR BUDGET

HOUSING
 FOOD
 TRANSPORTATION
 FUN
 HEALTH

GOALS SAVINGS PLANNER

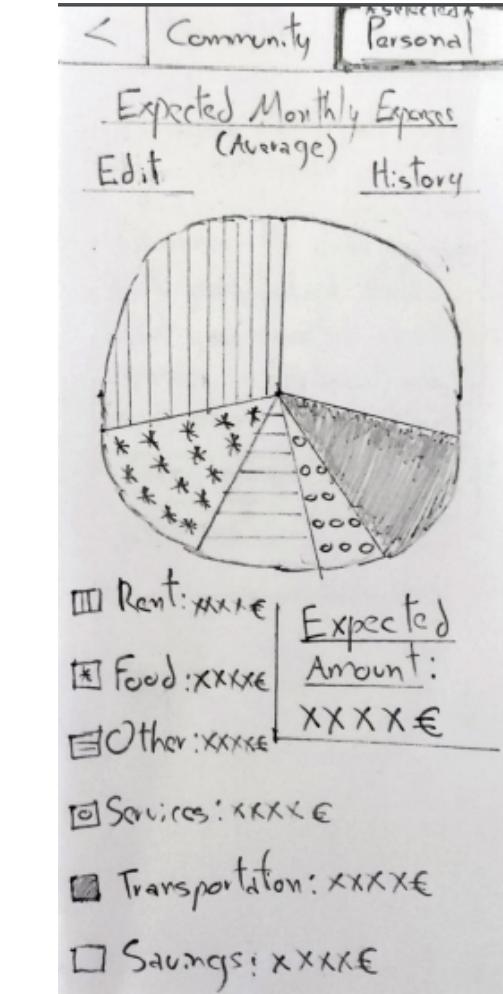


< Community Personal

Selected: Community Personal

Expected Monthly Expenses (Average)

In order to provide you with personalized data about your expected monthly expenses in Portugal we need more information

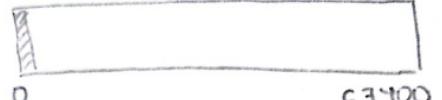


- Rent
- In which district do you want to live?
 - In which municipality do you want to live?
- Food
- Do you have any diet?
 - How often do you eat out?
- Other
- Do you go to the gym?
- Transportation
- How often do you use your

- < Community Personal
- Community History
- Year Overview Report (2022)
- December Report (2022)
- November Report (2022)
- October Report (2022)
- September Report (2022)
- August Report (2022)
- July Report (2022)

Low-Fidelity Prototype - First Iteration

Savings Planner
Goal: €7400
Current progress



Add savings

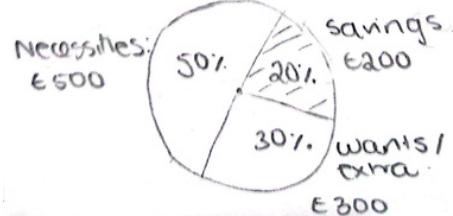
Alter goal

Savings breakdown

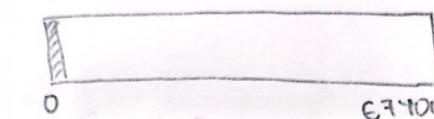
Personalization

- Salary [in home country]: €1000

Recommended income split



Savings Planner
Goal: €7400
Current progress



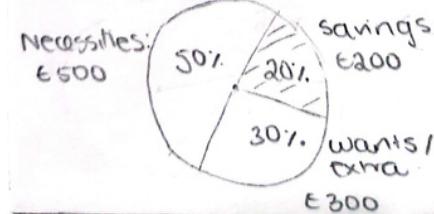
Add Savings

Select currency: €

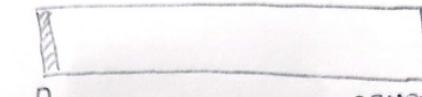
Amount: 1000

Cancel

Recommended income split



Savings Planner
Goal: €7400
Current progress

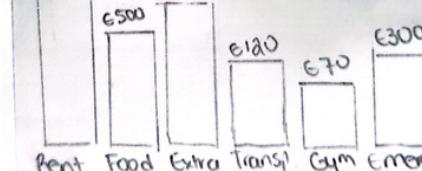


Add savings

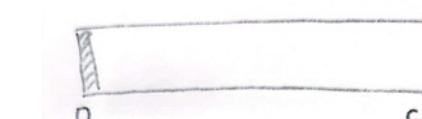
Alter goal

Savings breakdown

Personalization



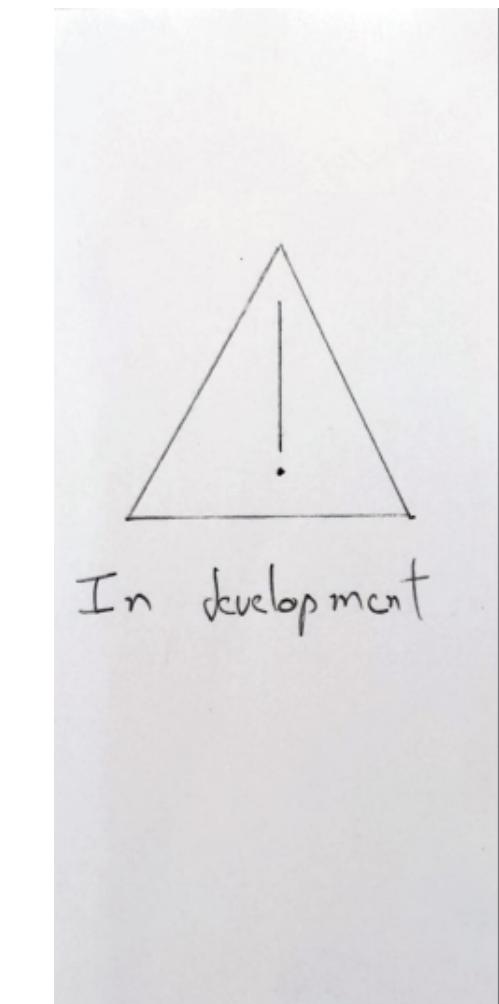
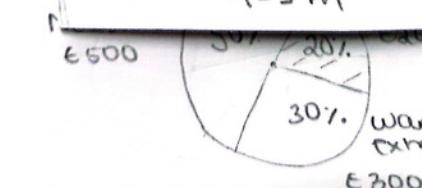
Savings Planner
Goal: €7400
Current progress



How many months do you want to be covered for, when you arrive in Portugal?

4 months

- Recommended: 6-8m [no work contract]
- with work contract: 3-4m
- Average (Community): 4-5m



In development

< Community Personal

Personal History

December Report (2022)

User Tasks

Set of predefined tasks for the users

Test the overall flow of the application

Critical tasks that align with our objectives behind the application

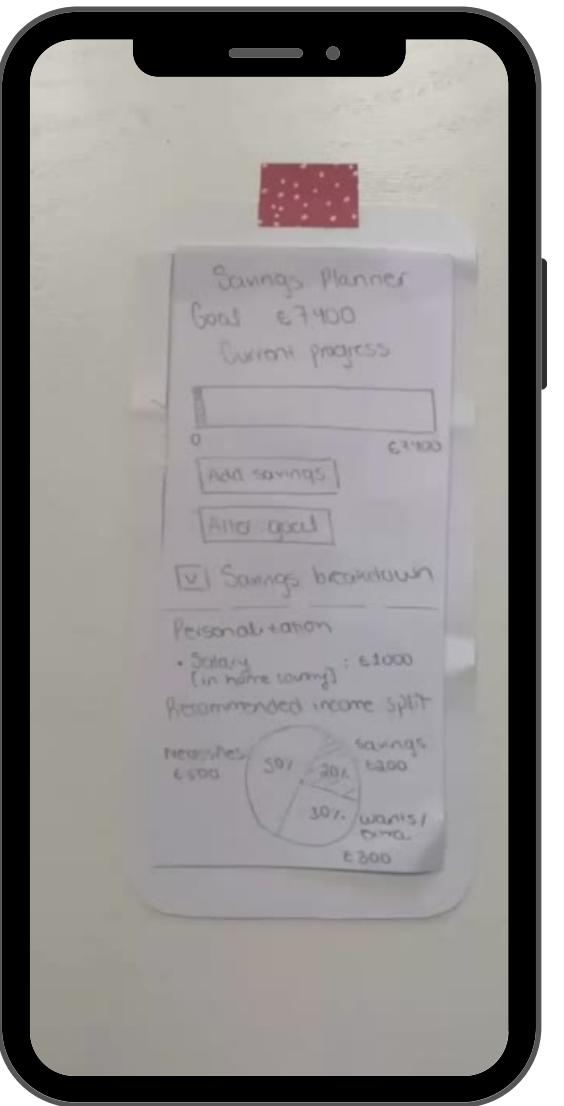
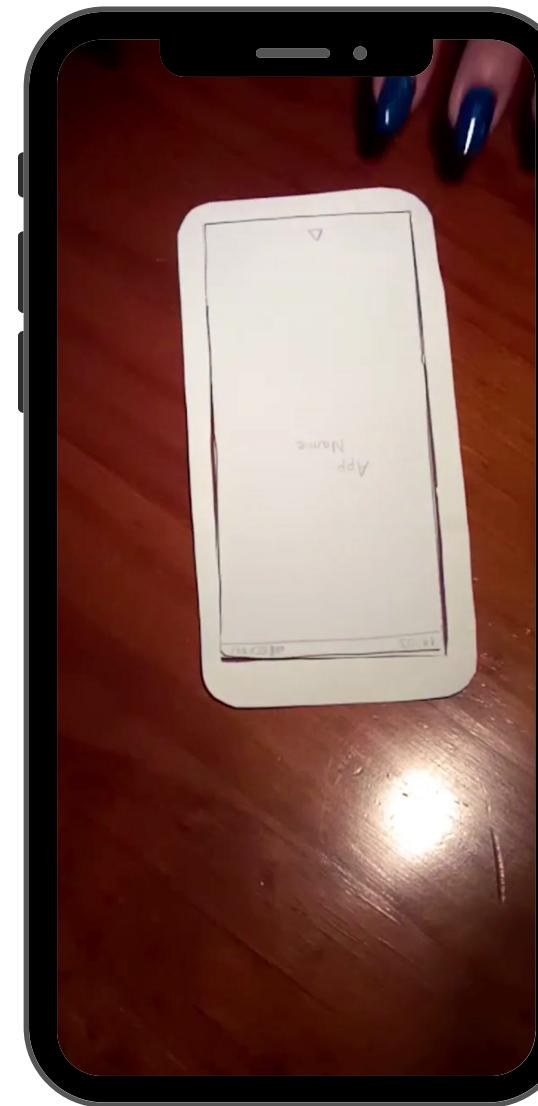
Observe user behavior and thought process during the tasks

Imagine you are a user called Mauricio Ruit. Attempt to perform the following tasks:

1. Access the application by signing-up.
2. Go to the Personal area and complete your profile.
3. In the main page, find the budget area of the application.
4. Get access to your expected monthly expenses information.
5. Check the personal history and return to the main page.
6. Go to the savings planner and add 1000€ to your savings.
7. Alter your current goal of coming to Portugal to be 4 months.
8. Check your savings breakdown of the current goal.

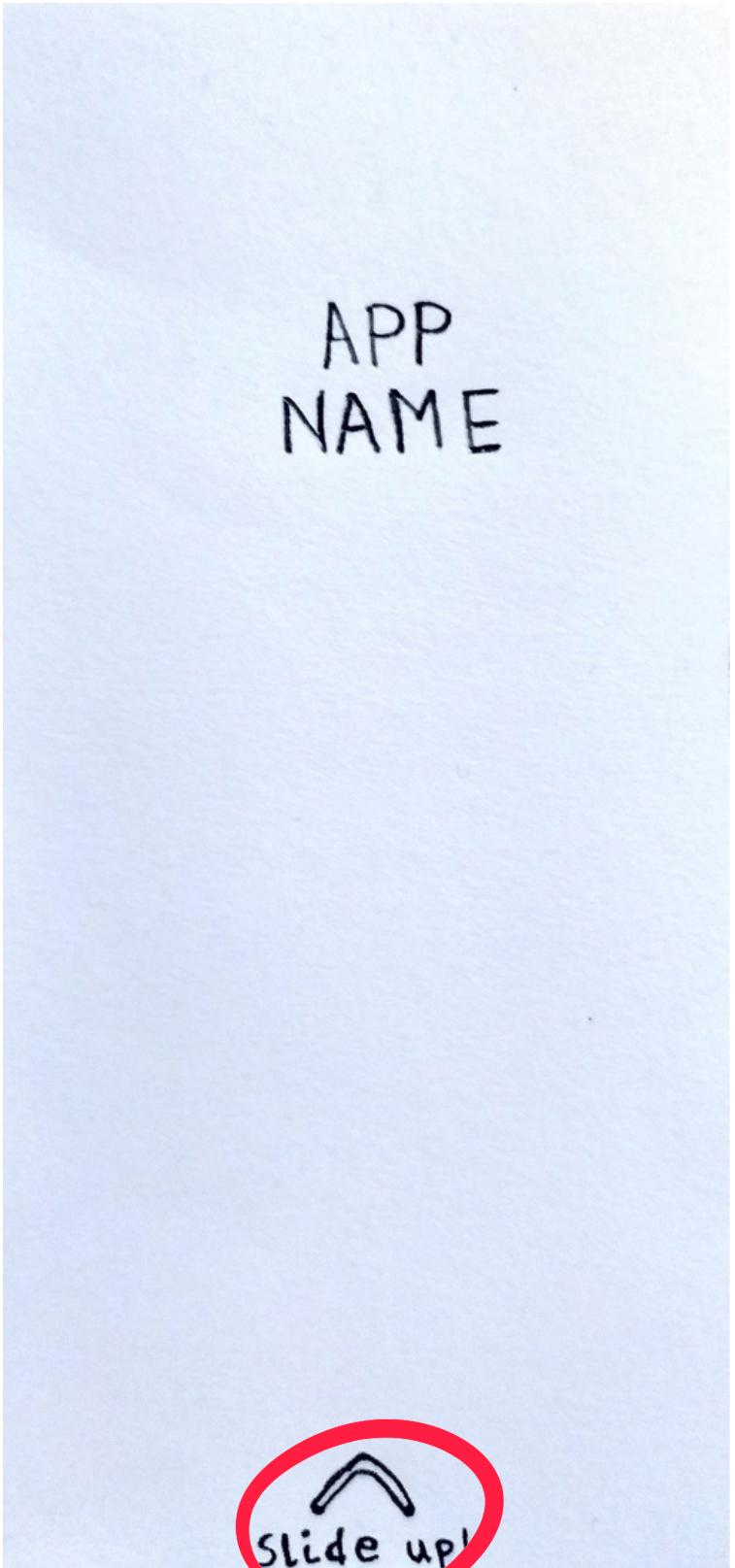
Low-Fidelity Prototype

- User Evaluation -



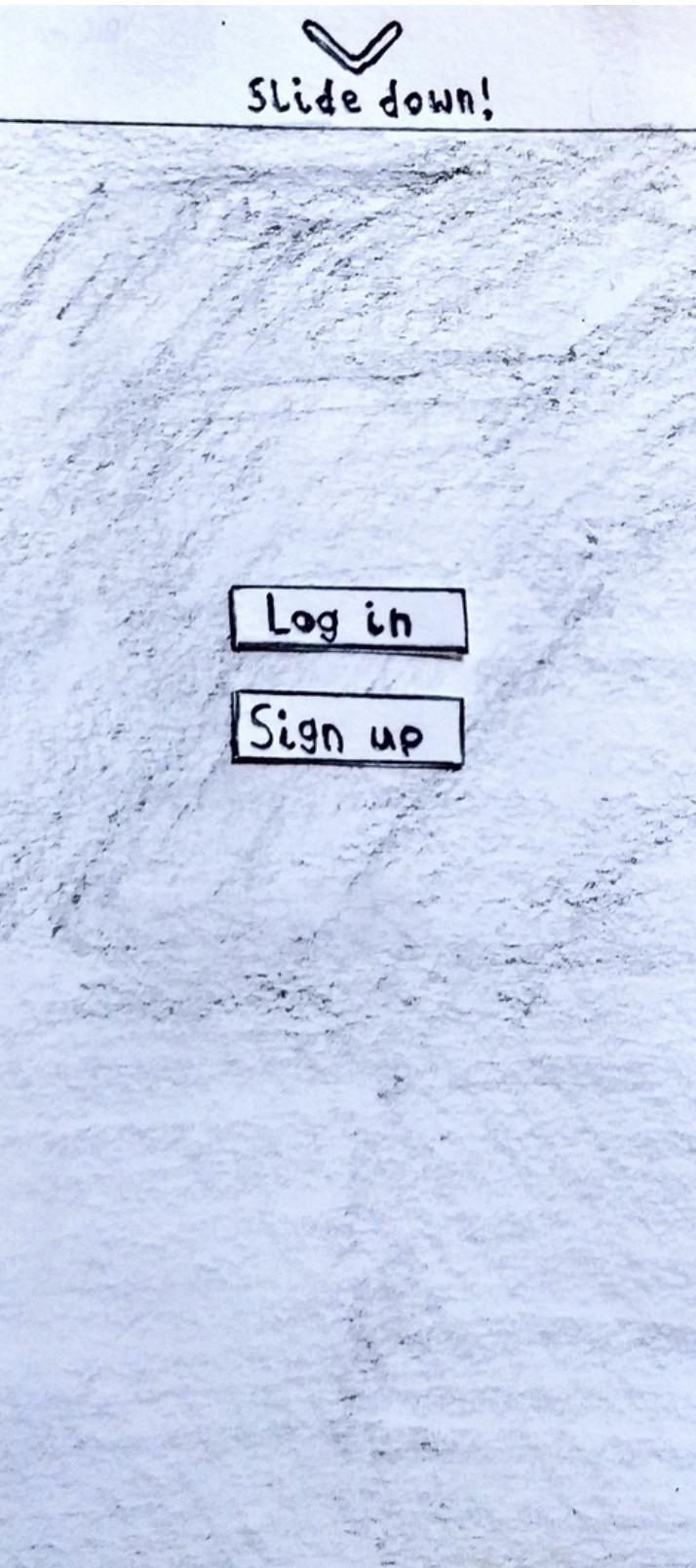
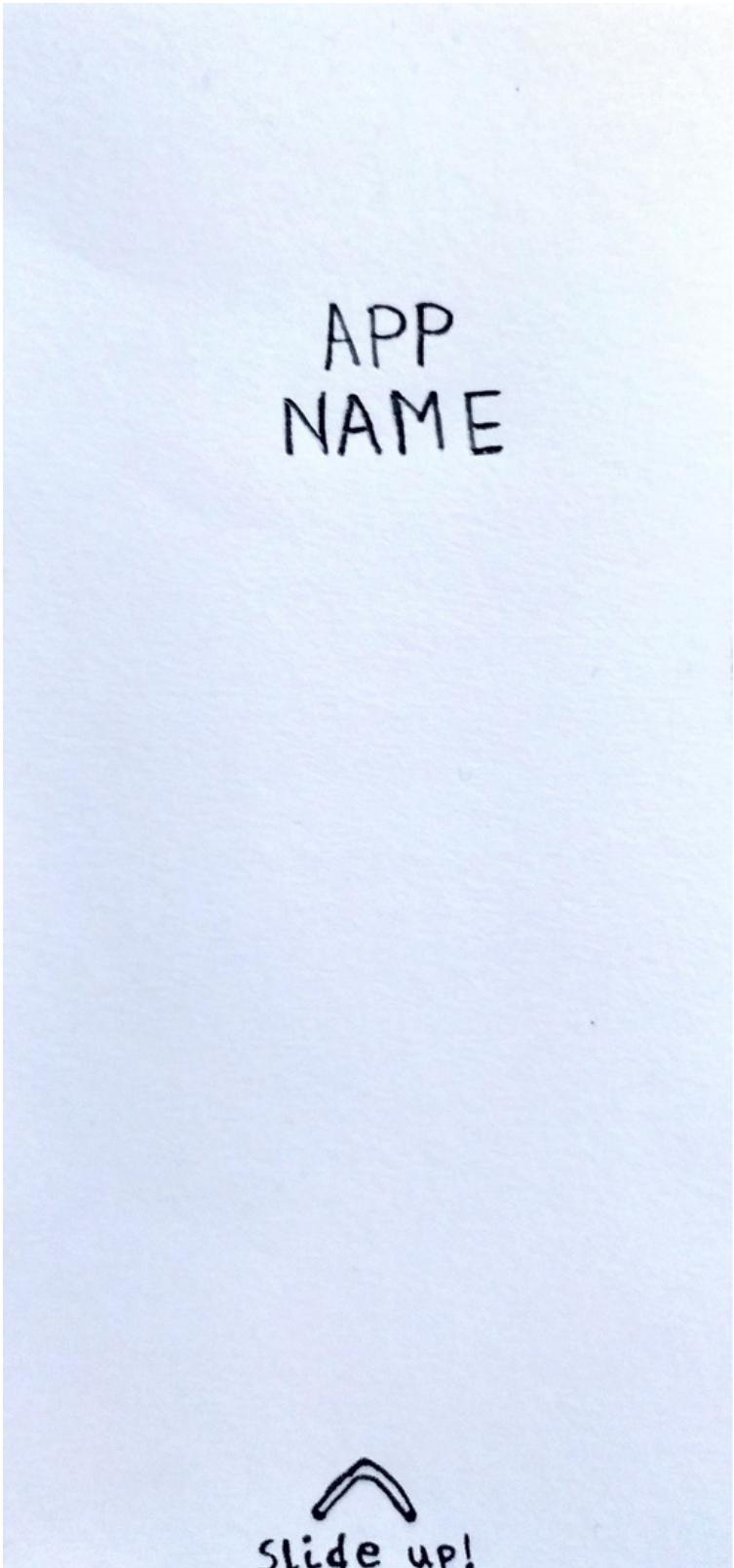
Low-Fidelity Prototype

- Second Iteration -



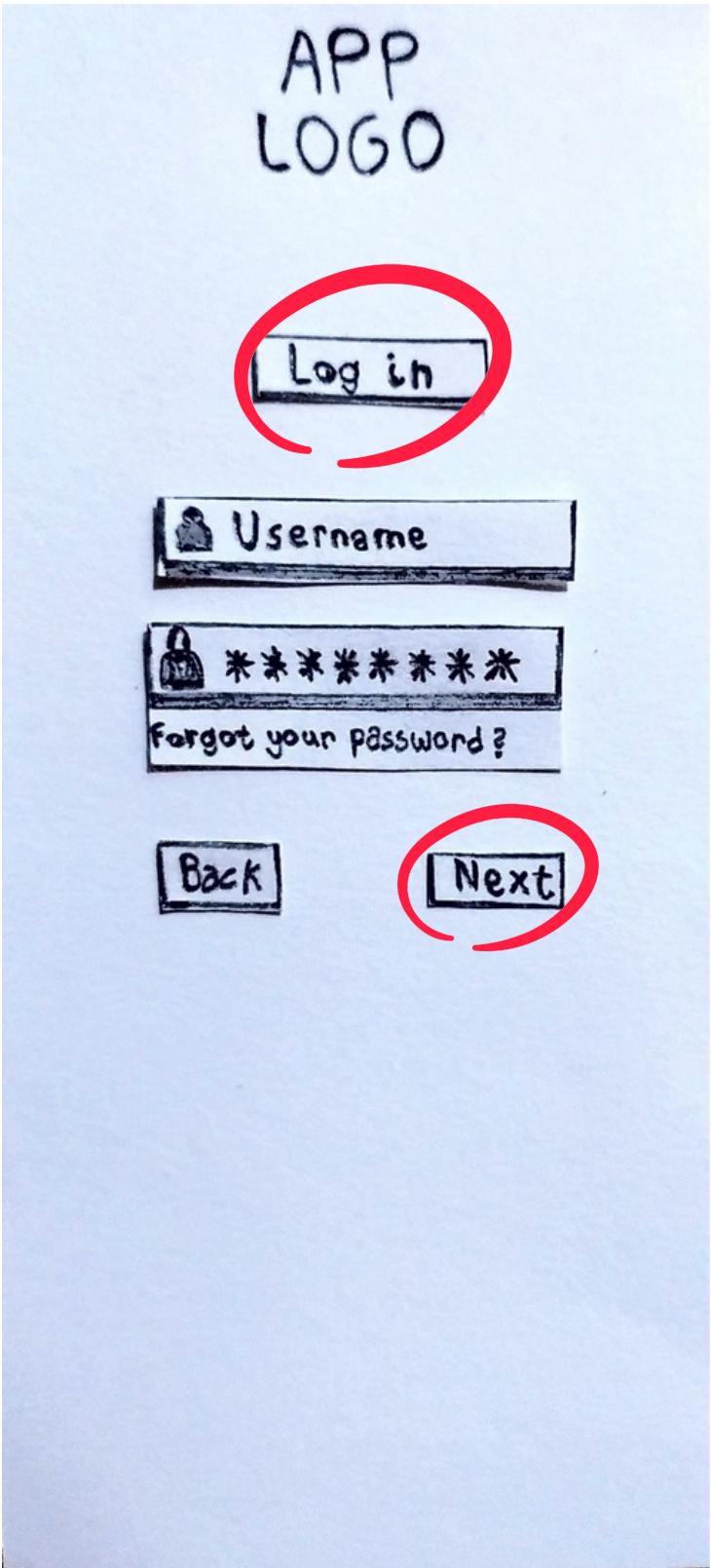
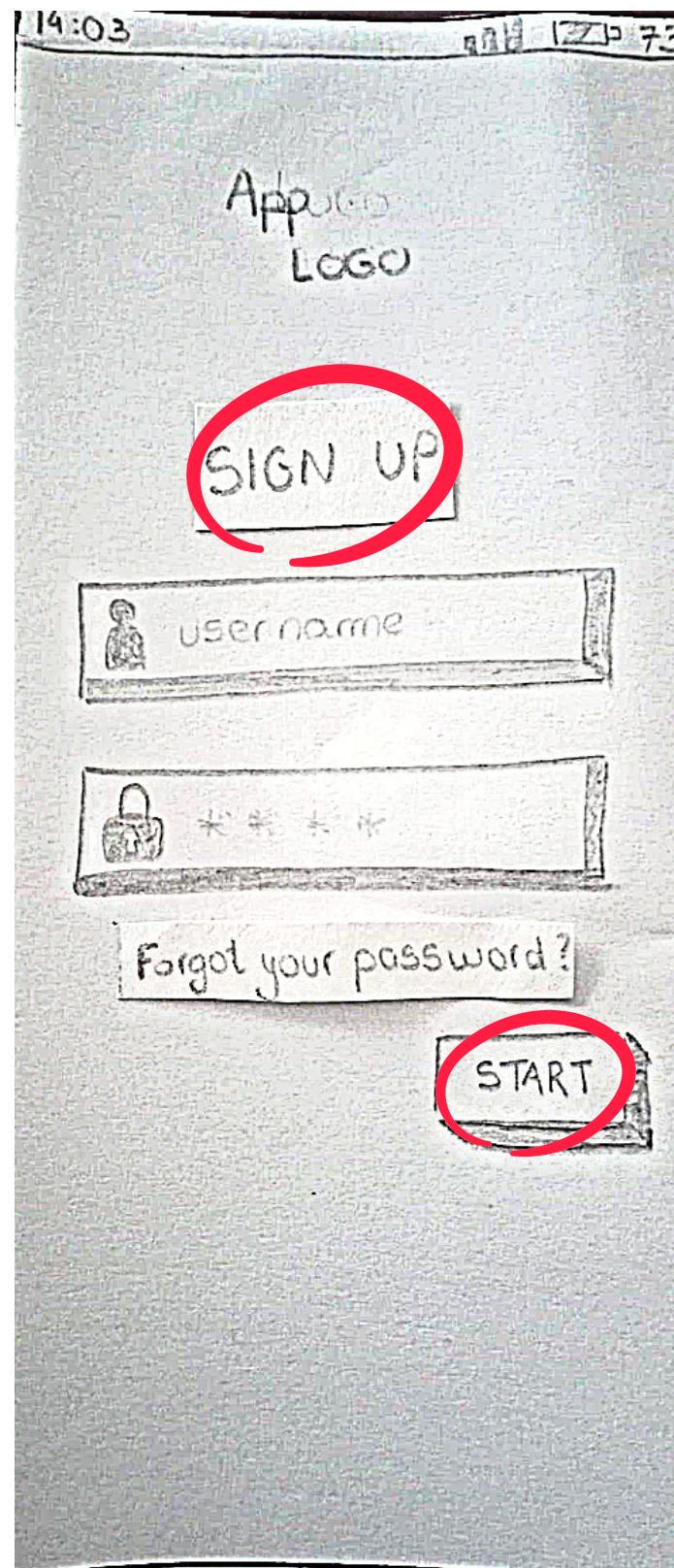
Low-Fidelity Prototype

- Second Iteration -



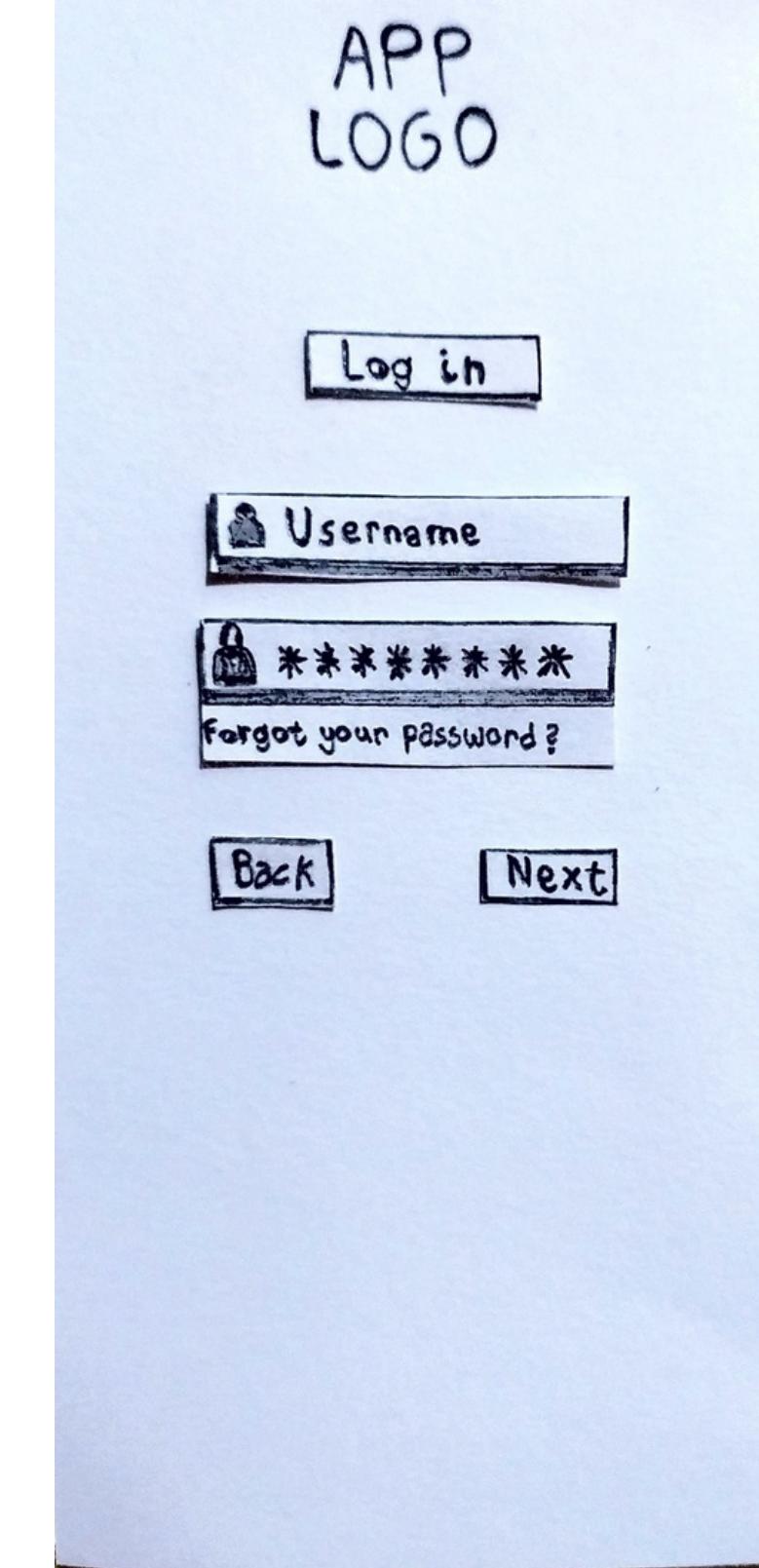
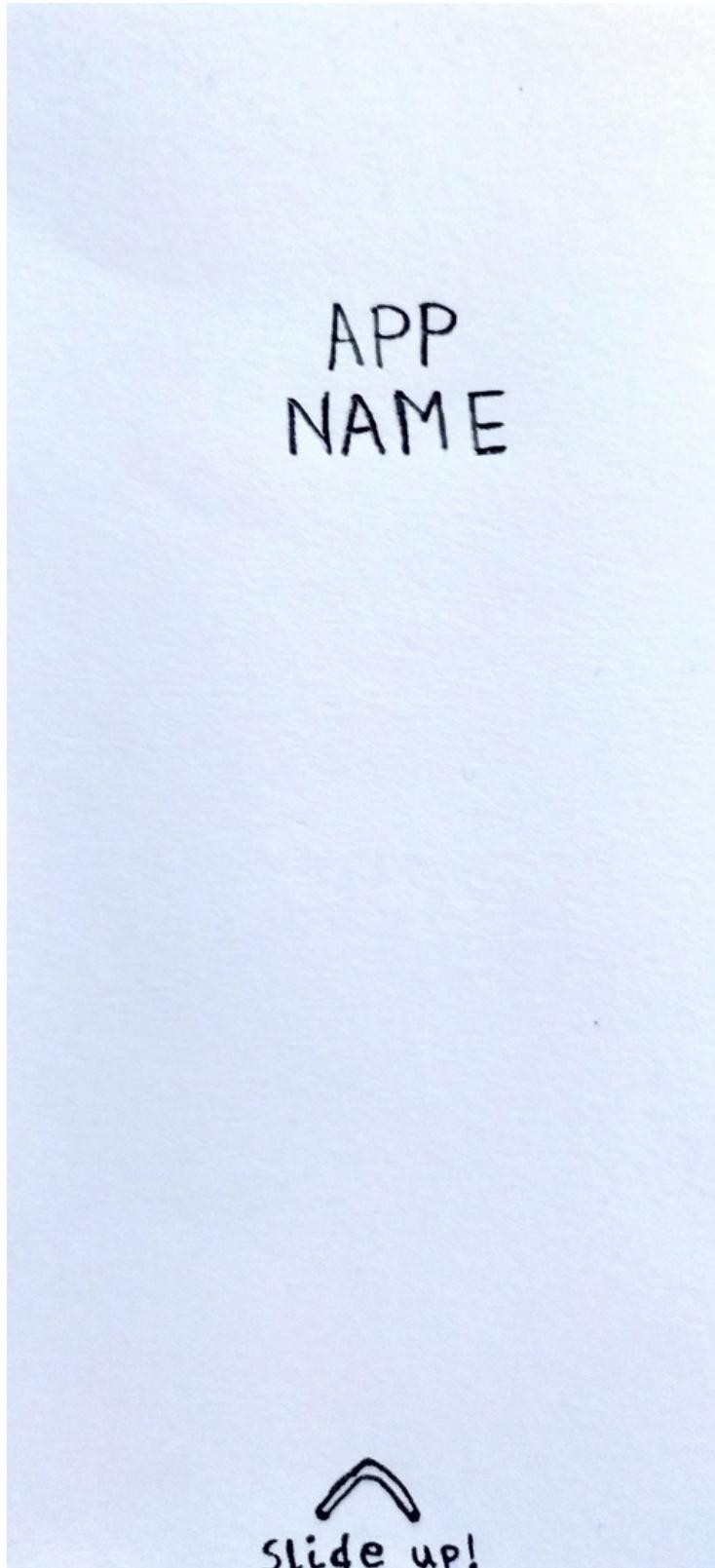
Low-Fidelity Prototype

- Second Iteration -



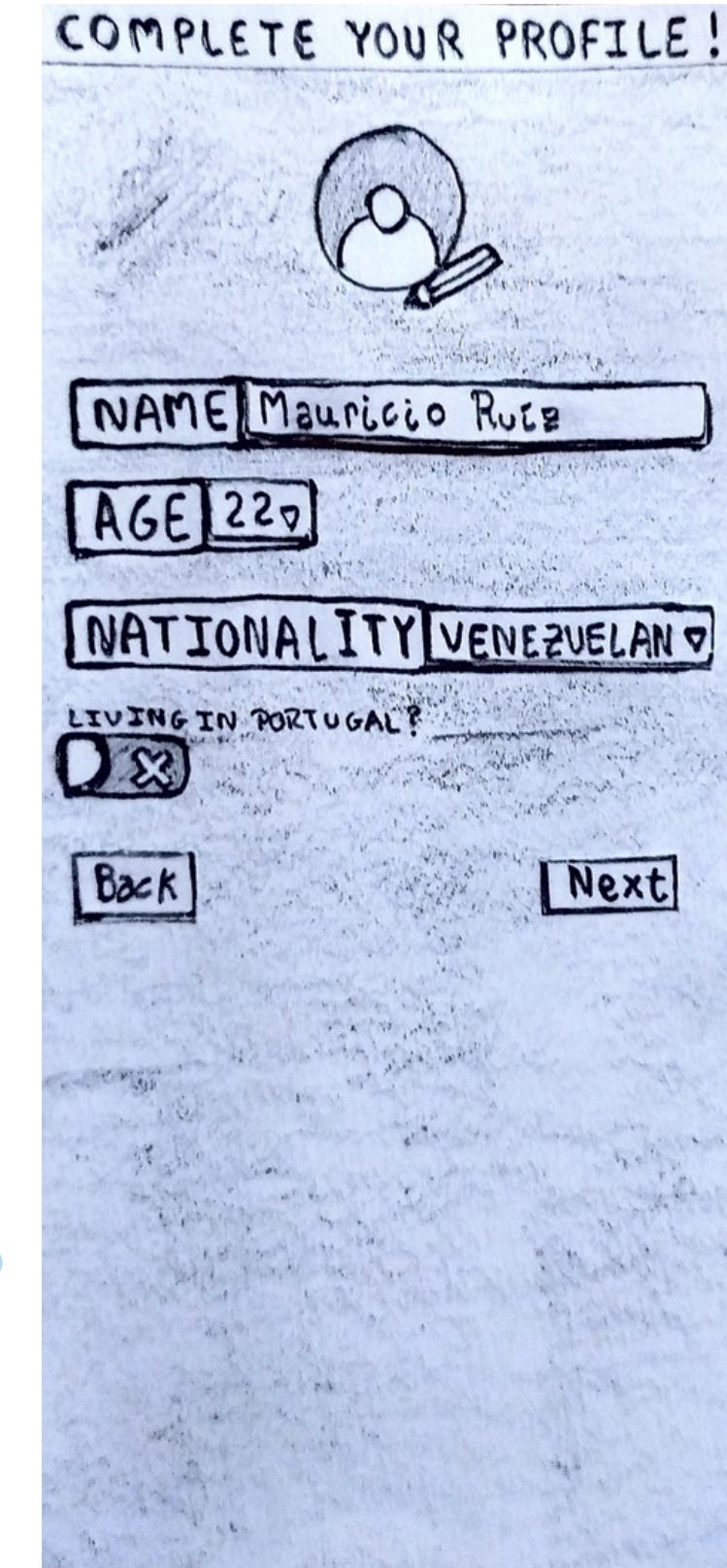
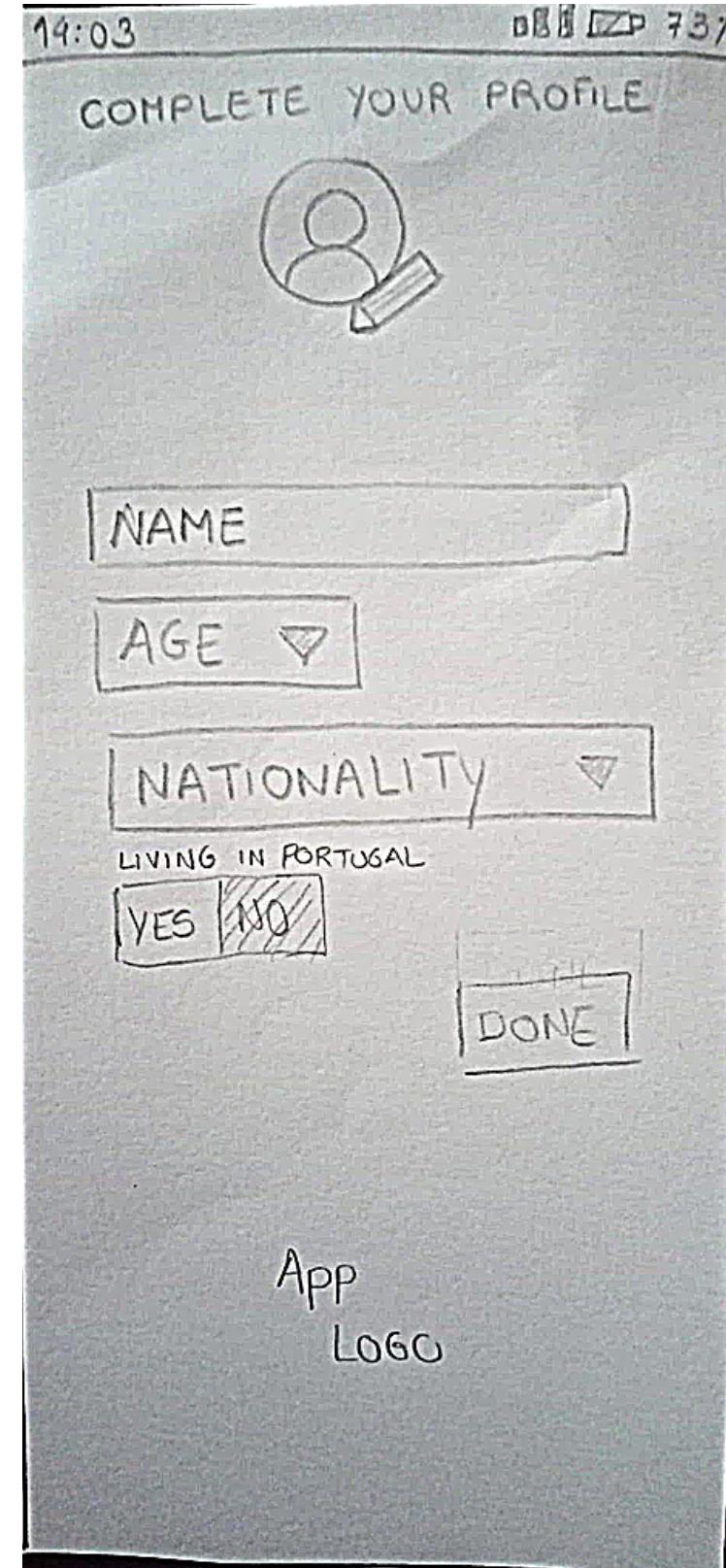
Low-Fidelity Prototype

- Second Iteration -



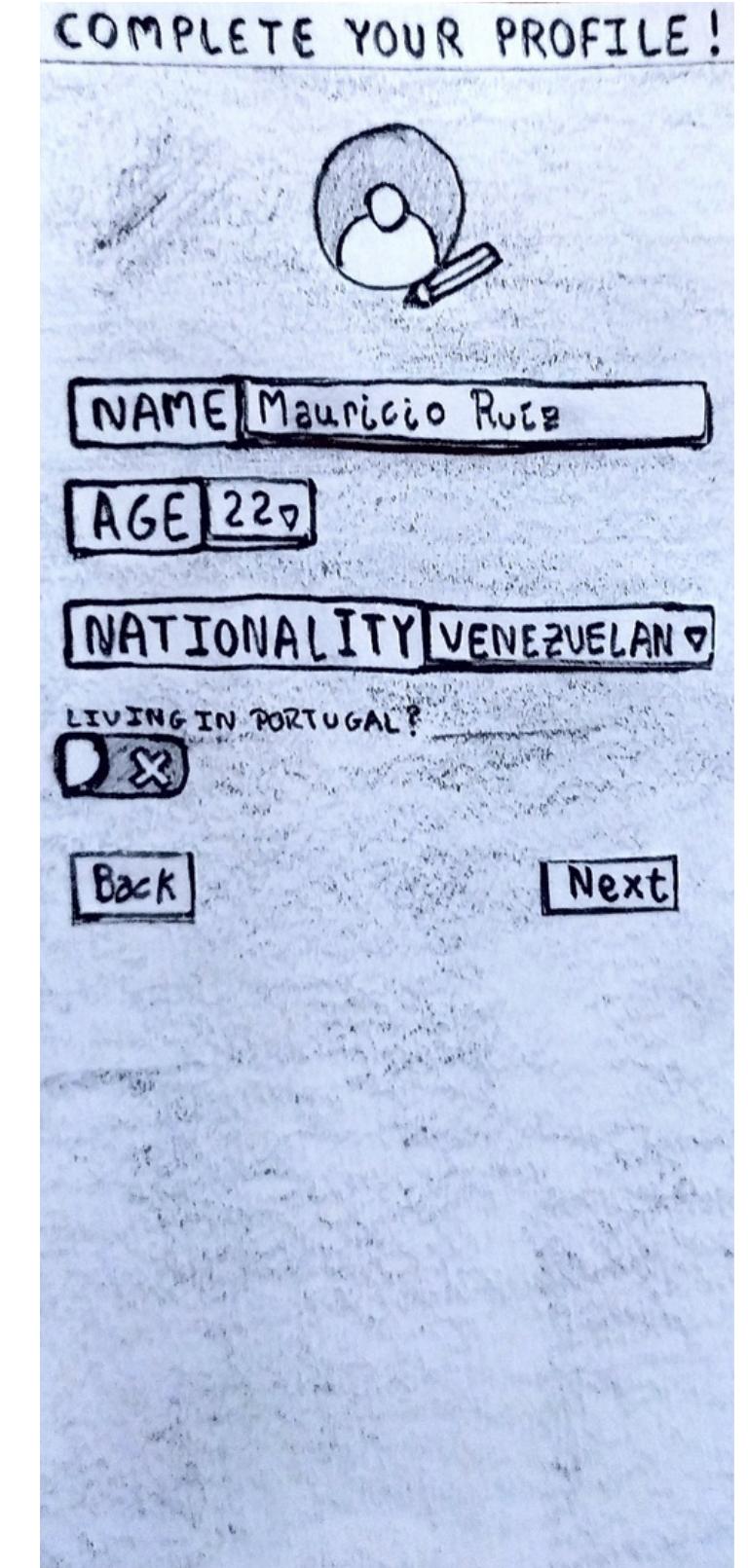
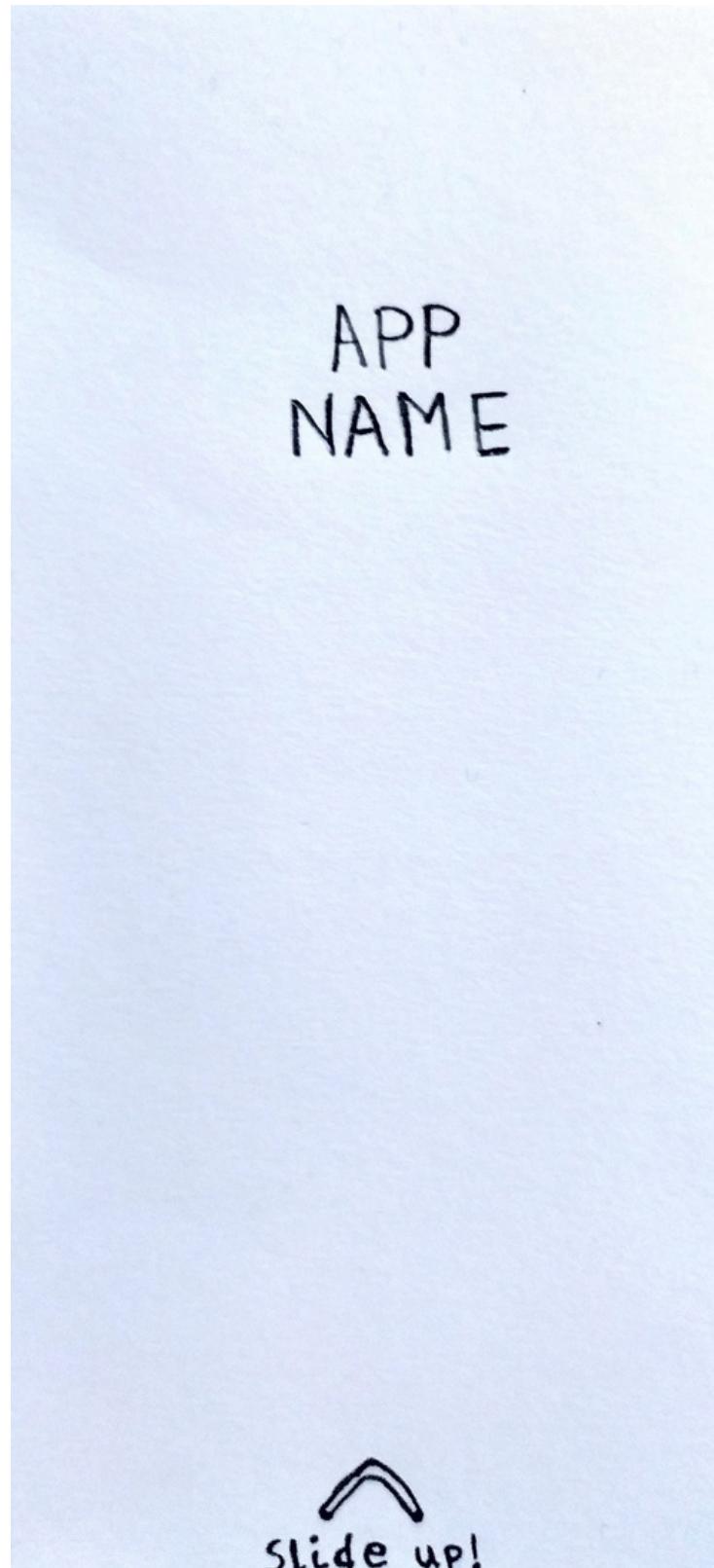
Low-Fidelity Prototype

- Second Iteration -



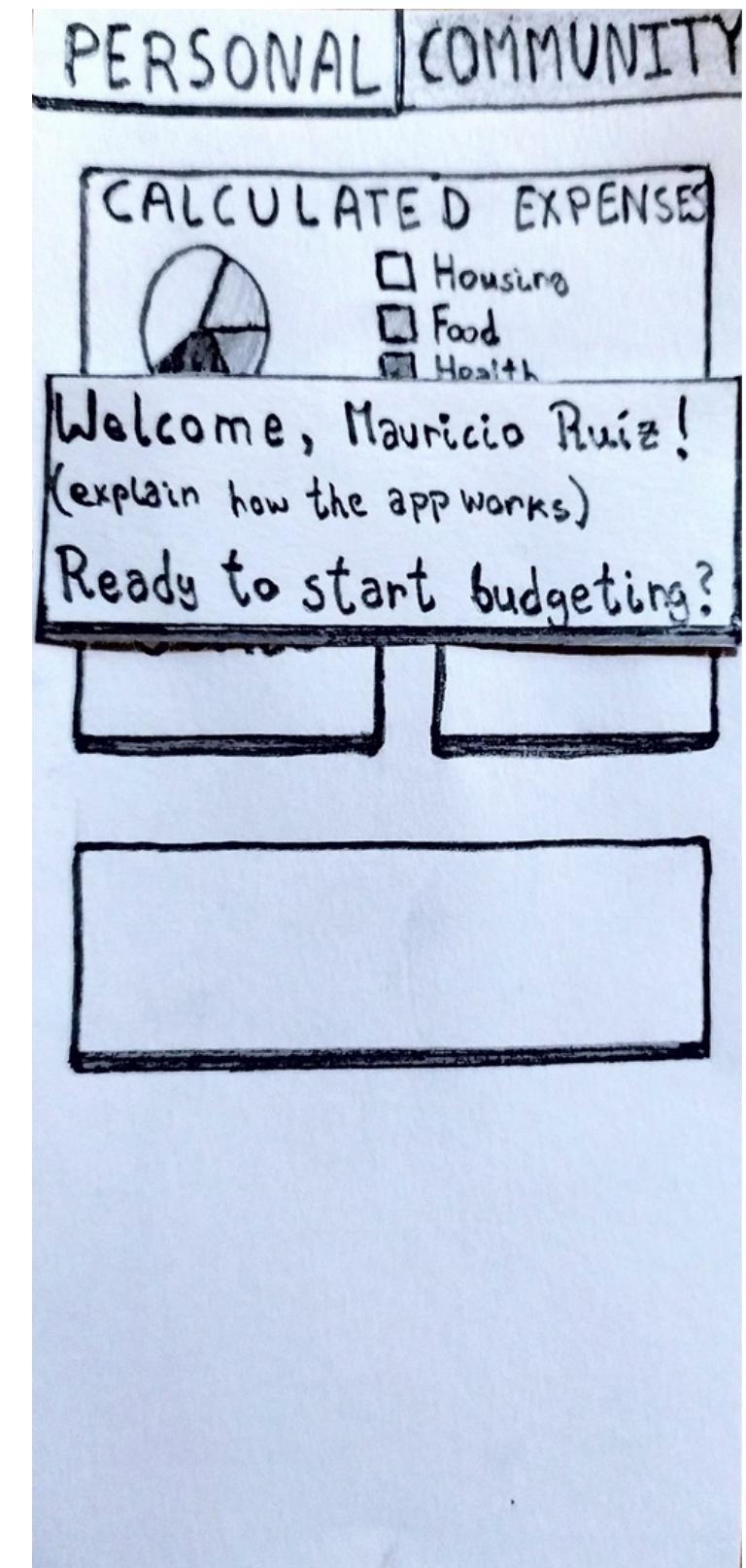
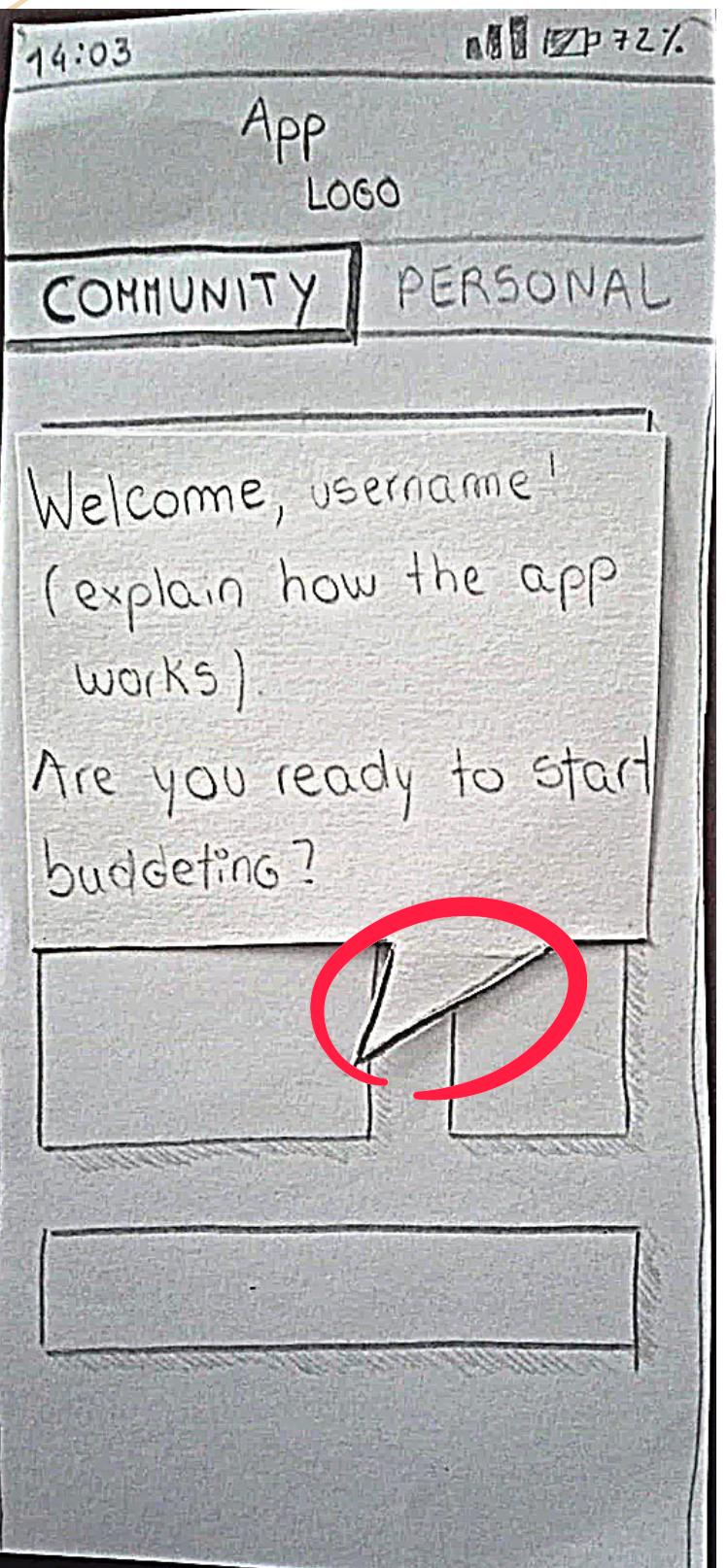
Low-Fidelity Prototype

- Second Iteration -



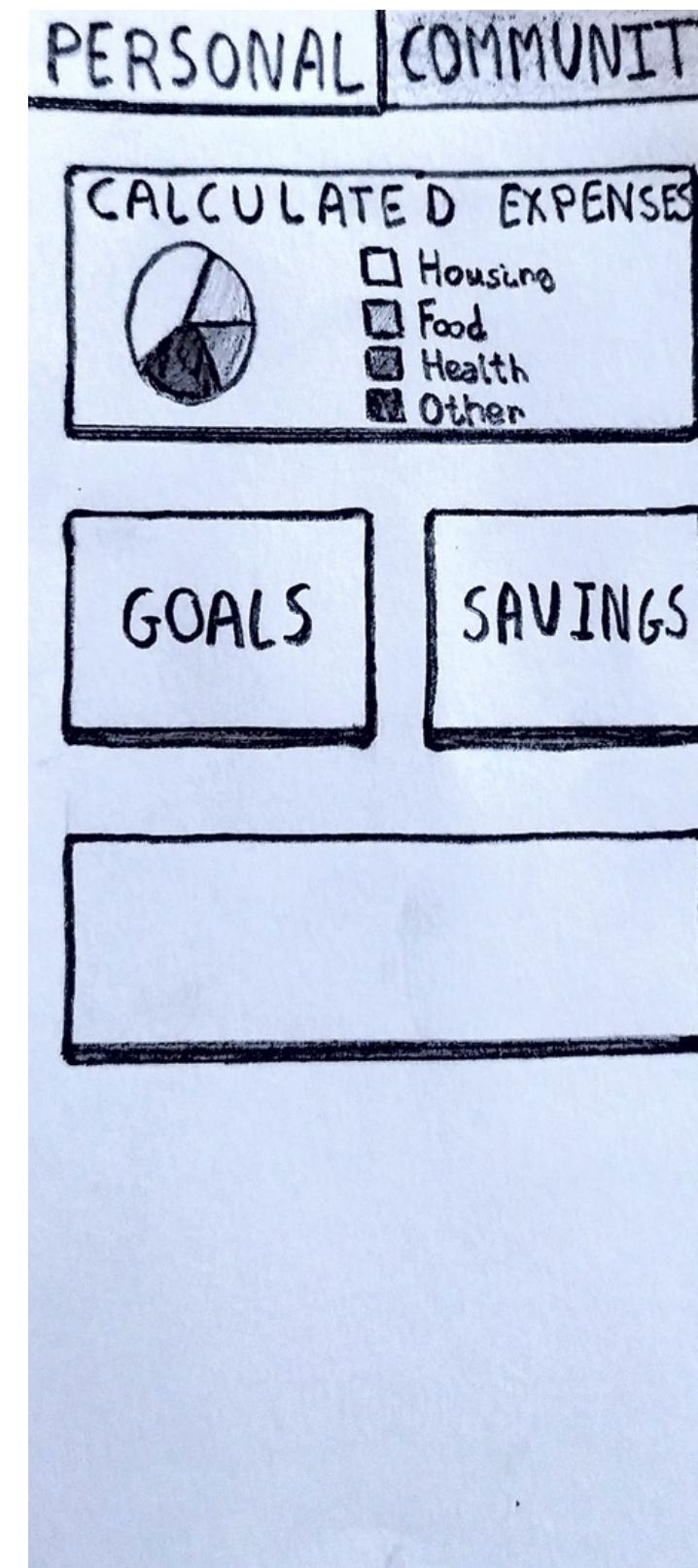
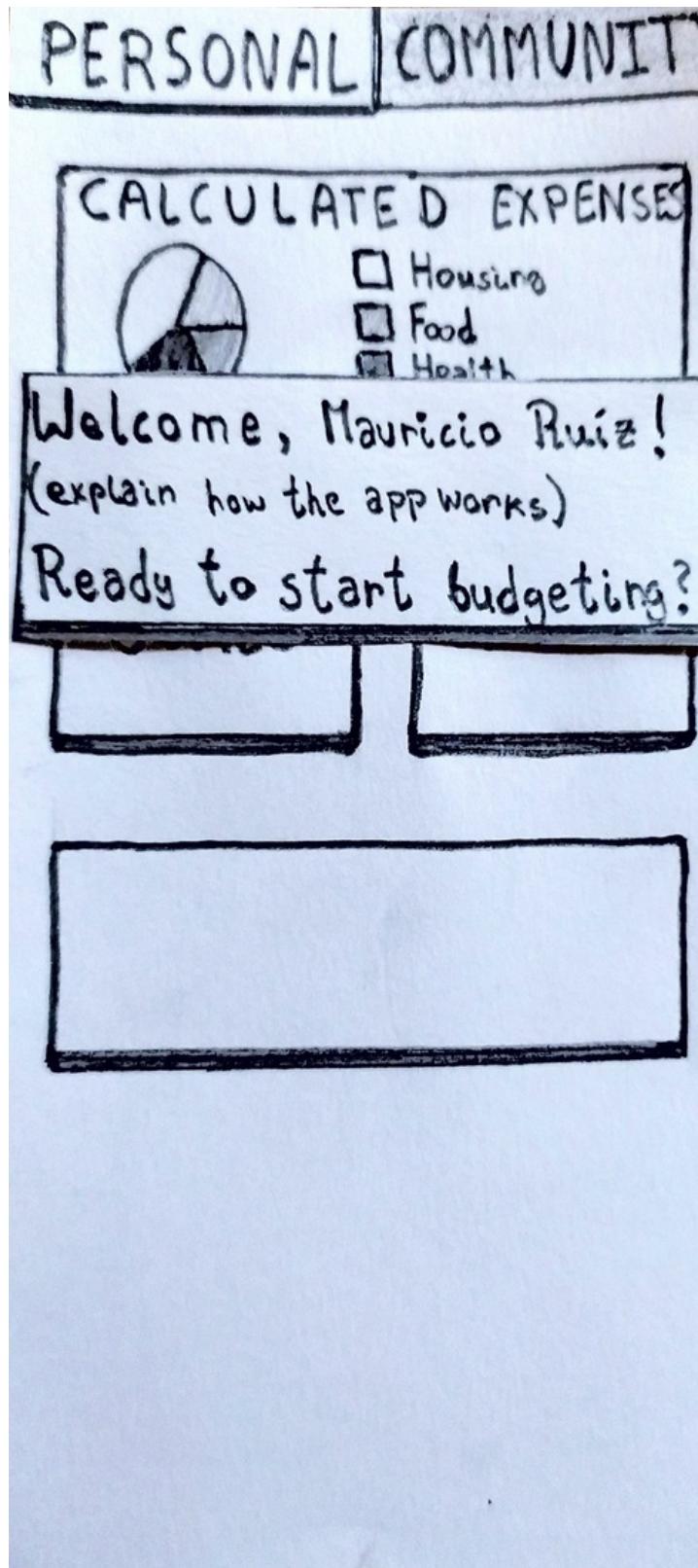
Low-Fidelity Prototype

- Second Iteration -



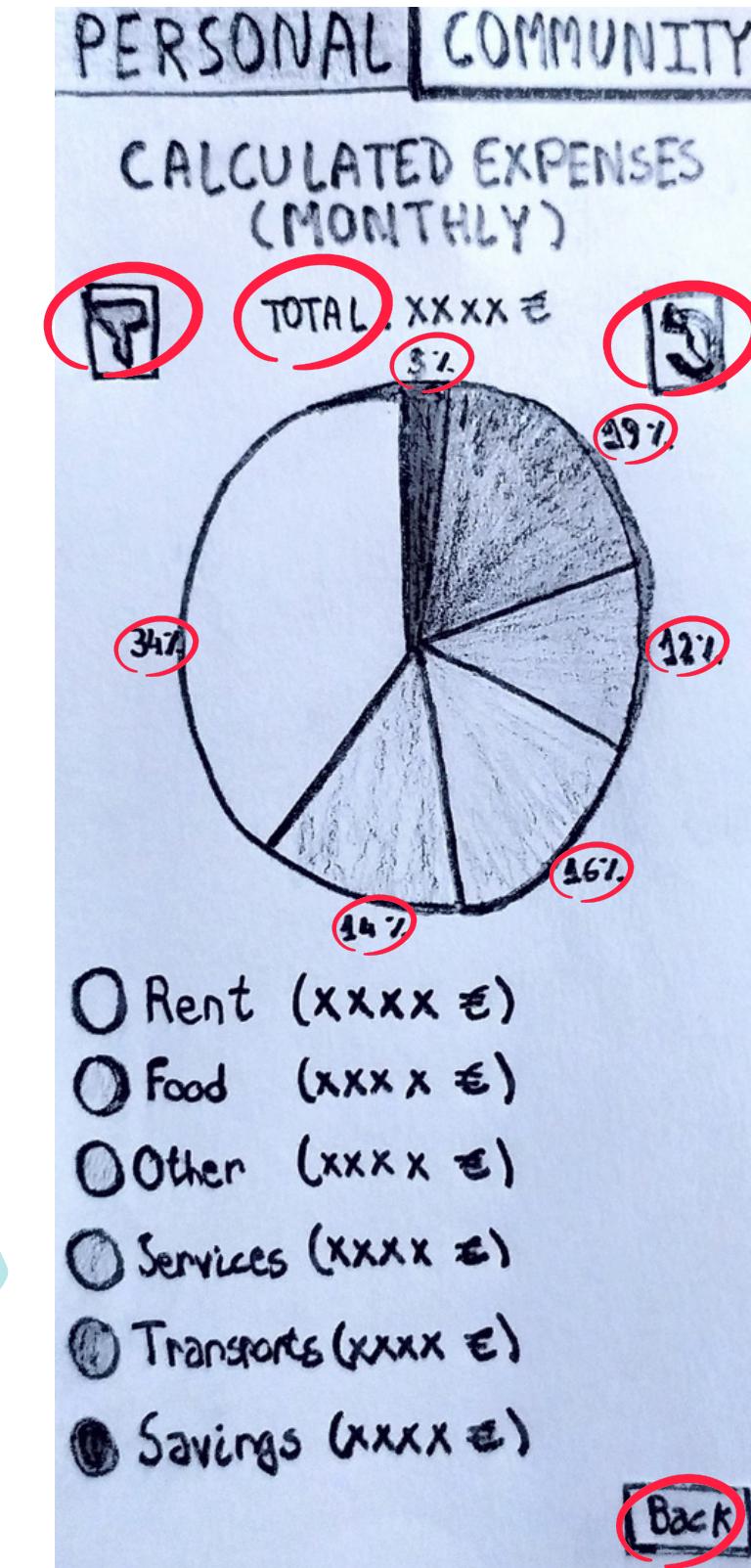
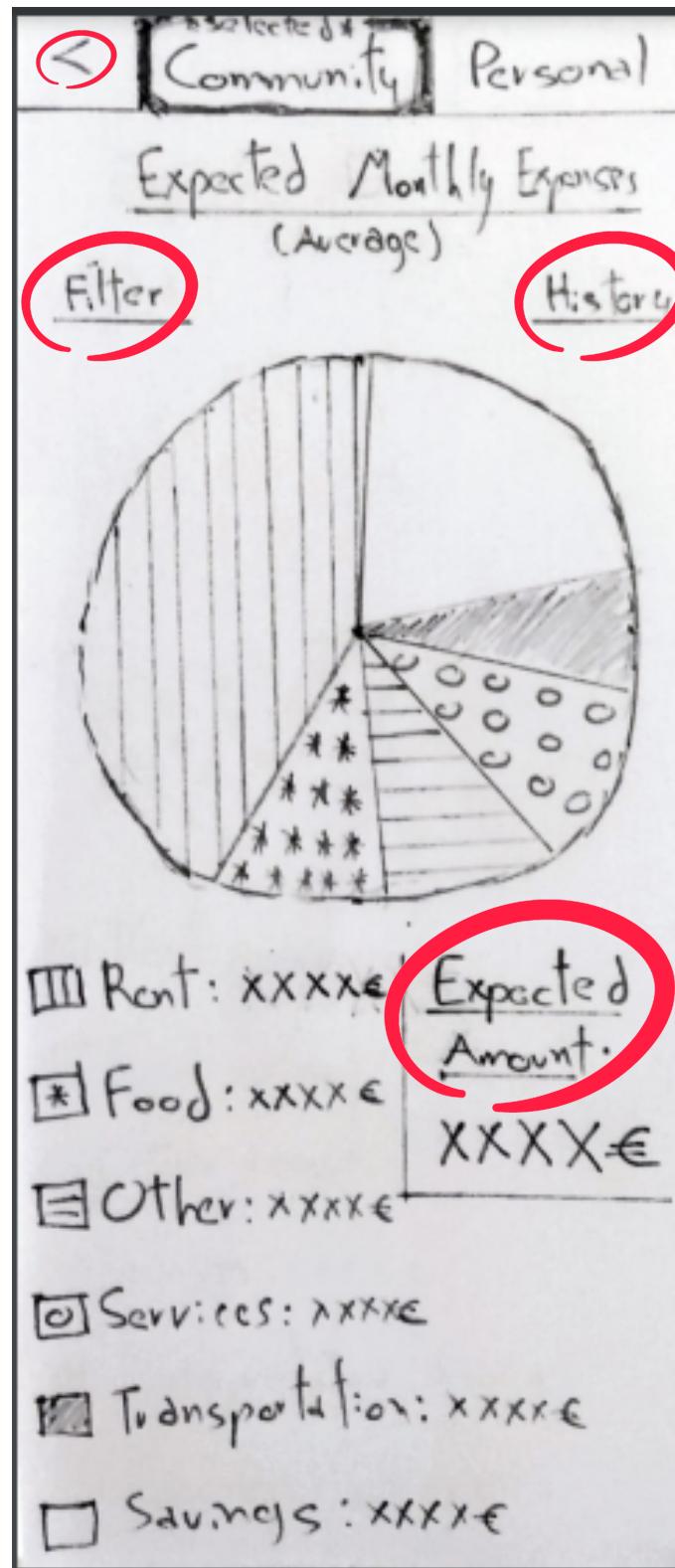
Low-Fidelity Prototype

- Second Iteration -



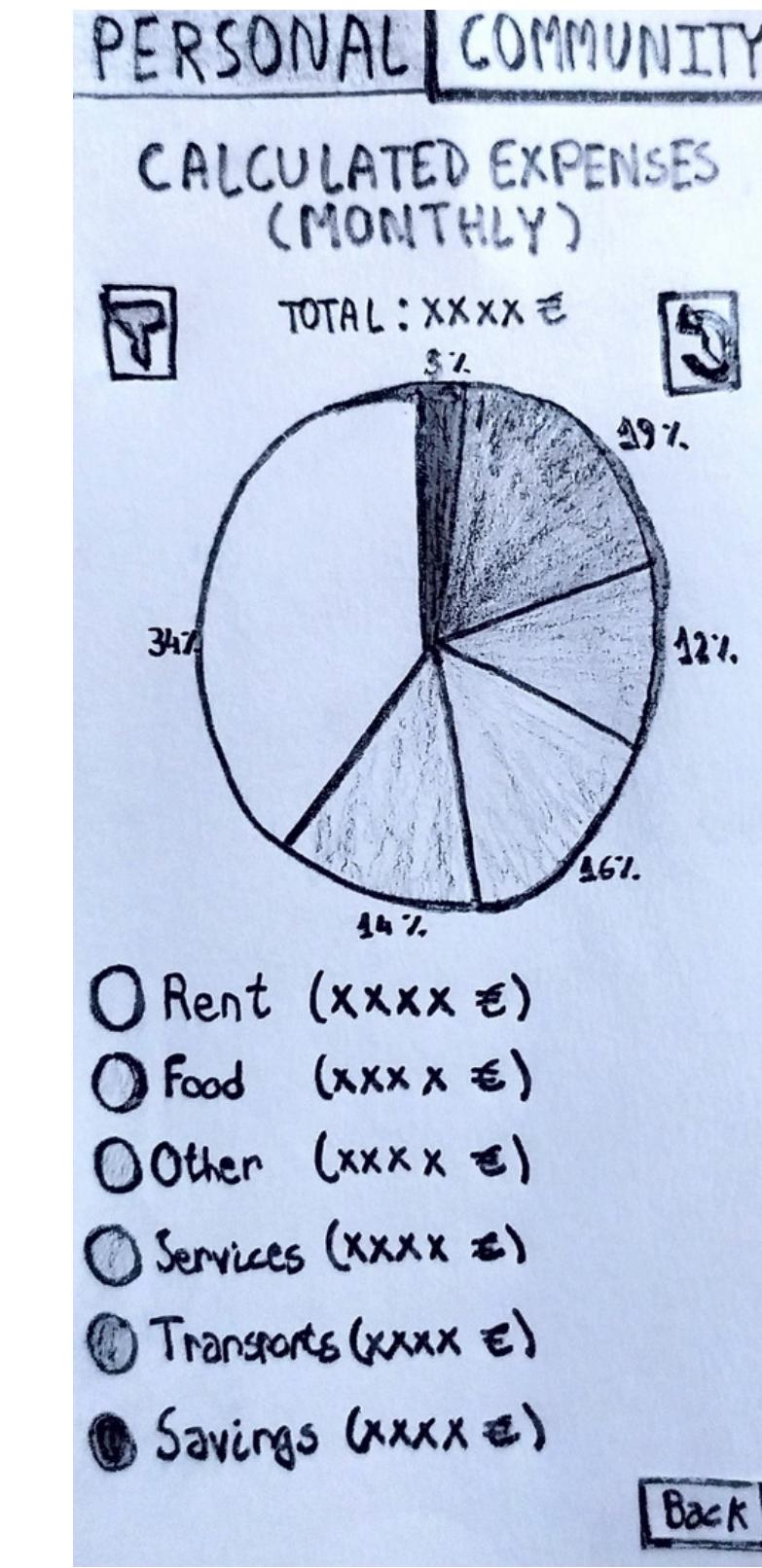
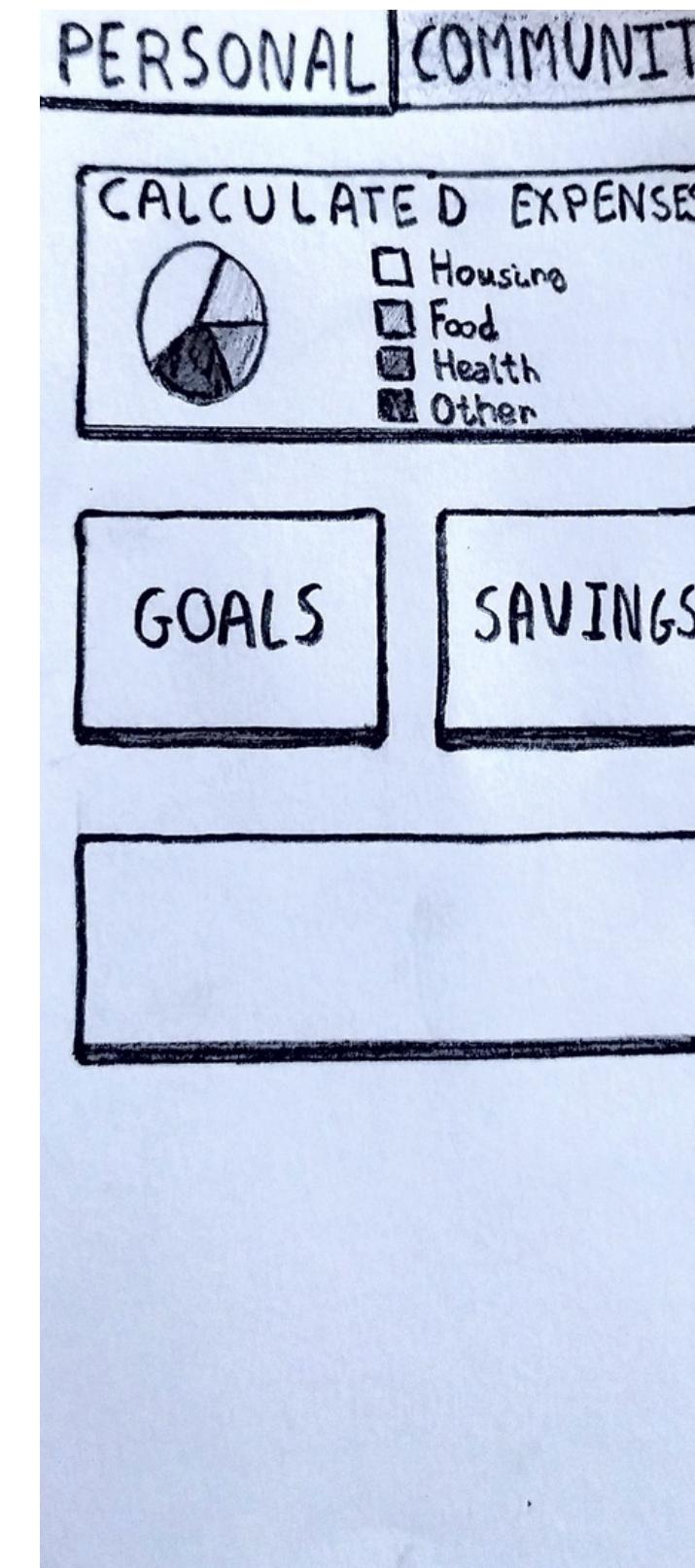
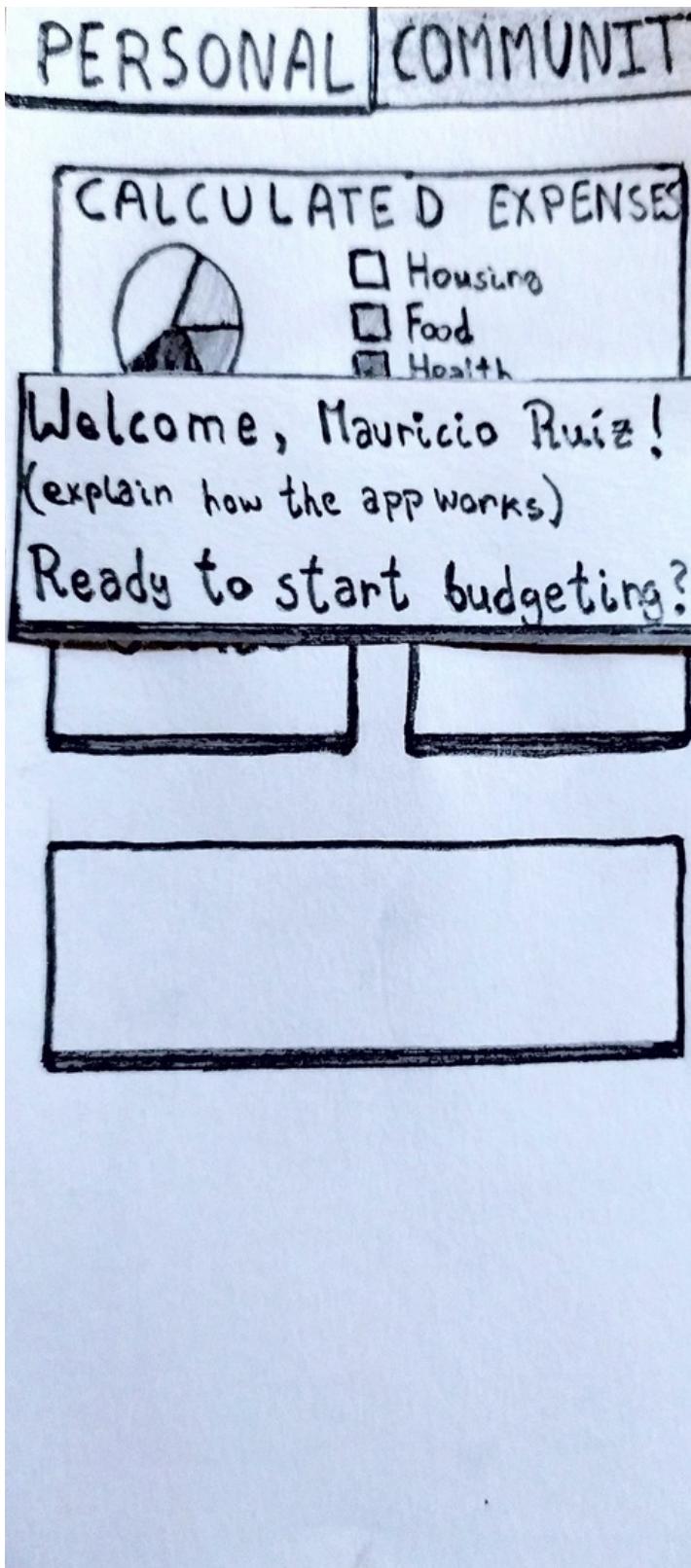
Low-Fidelity Prototype

- Second Iteration -



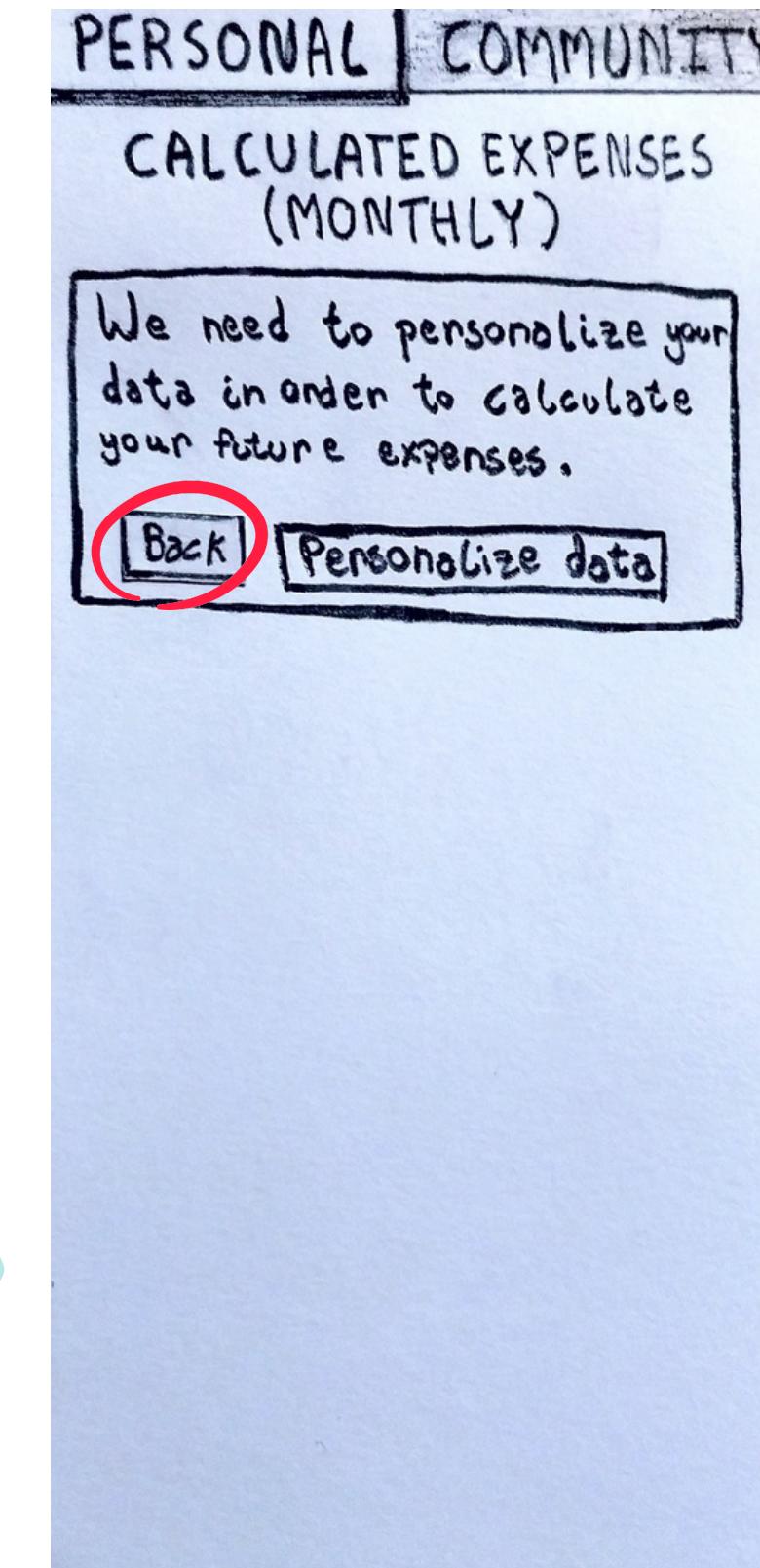
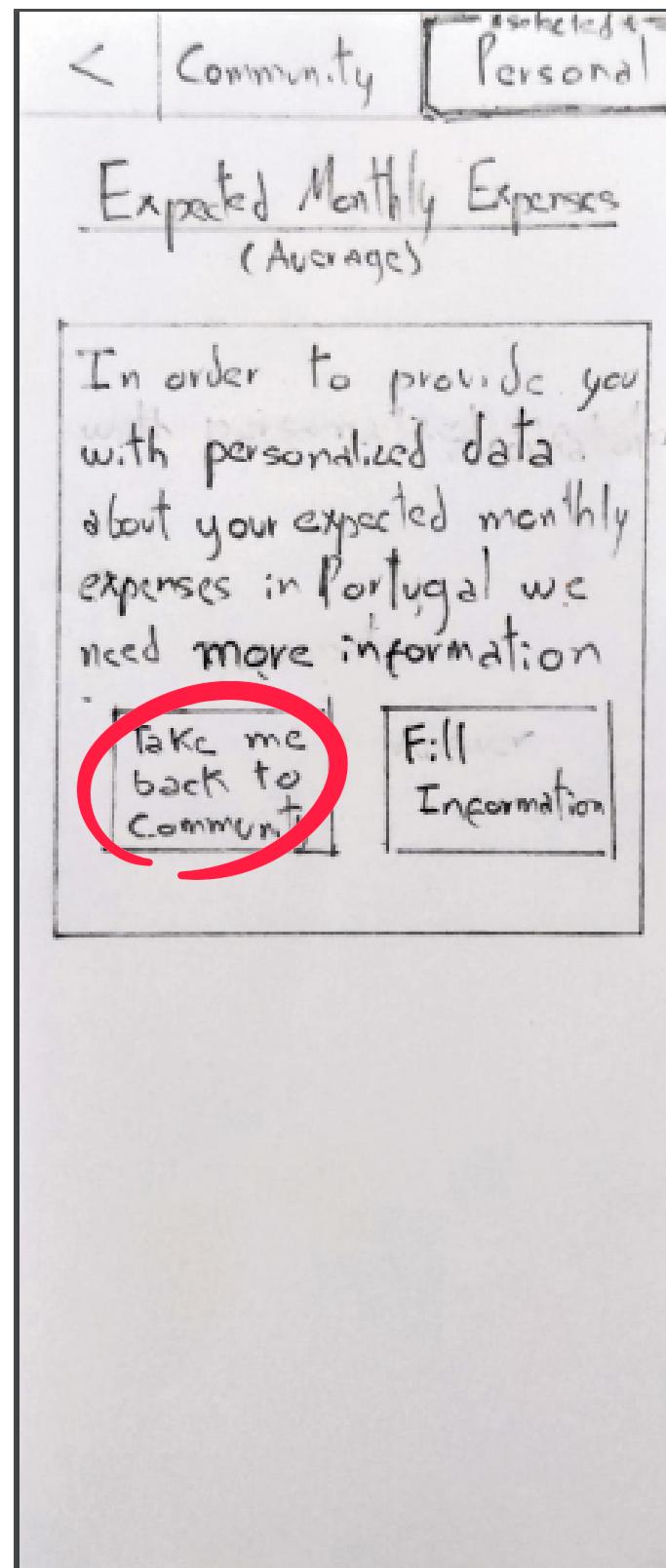
Low-Fidelity Prototype

- Second Iteration -



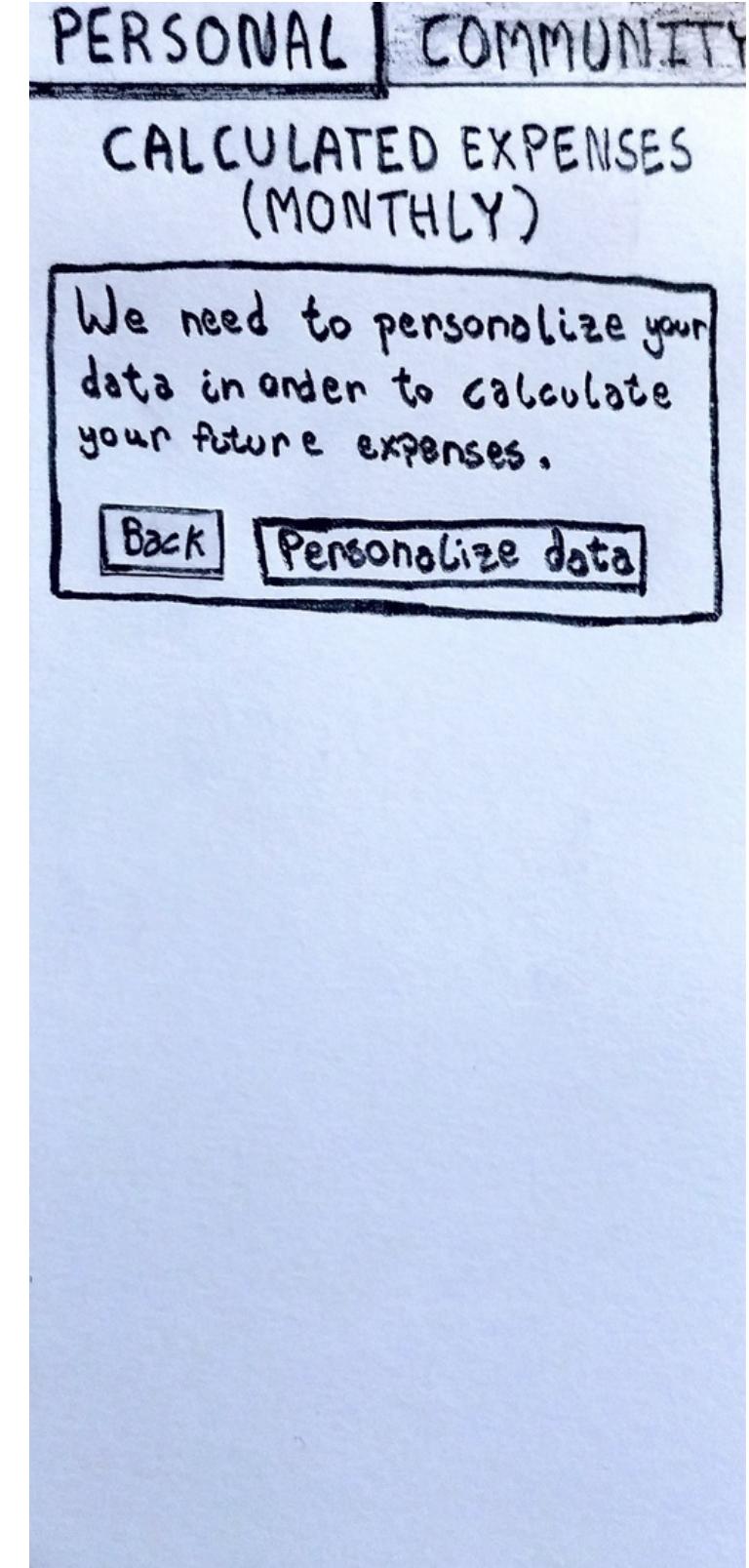
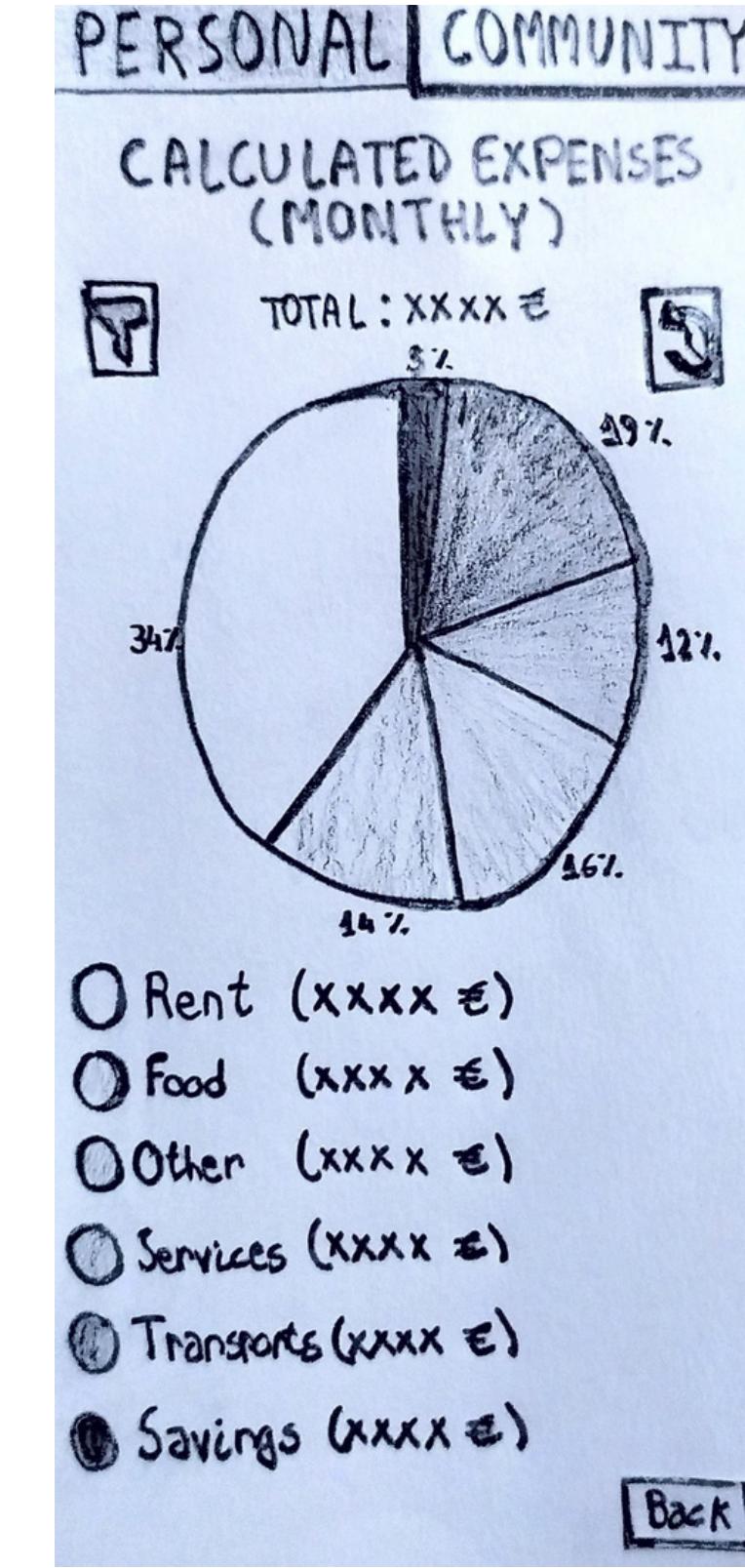
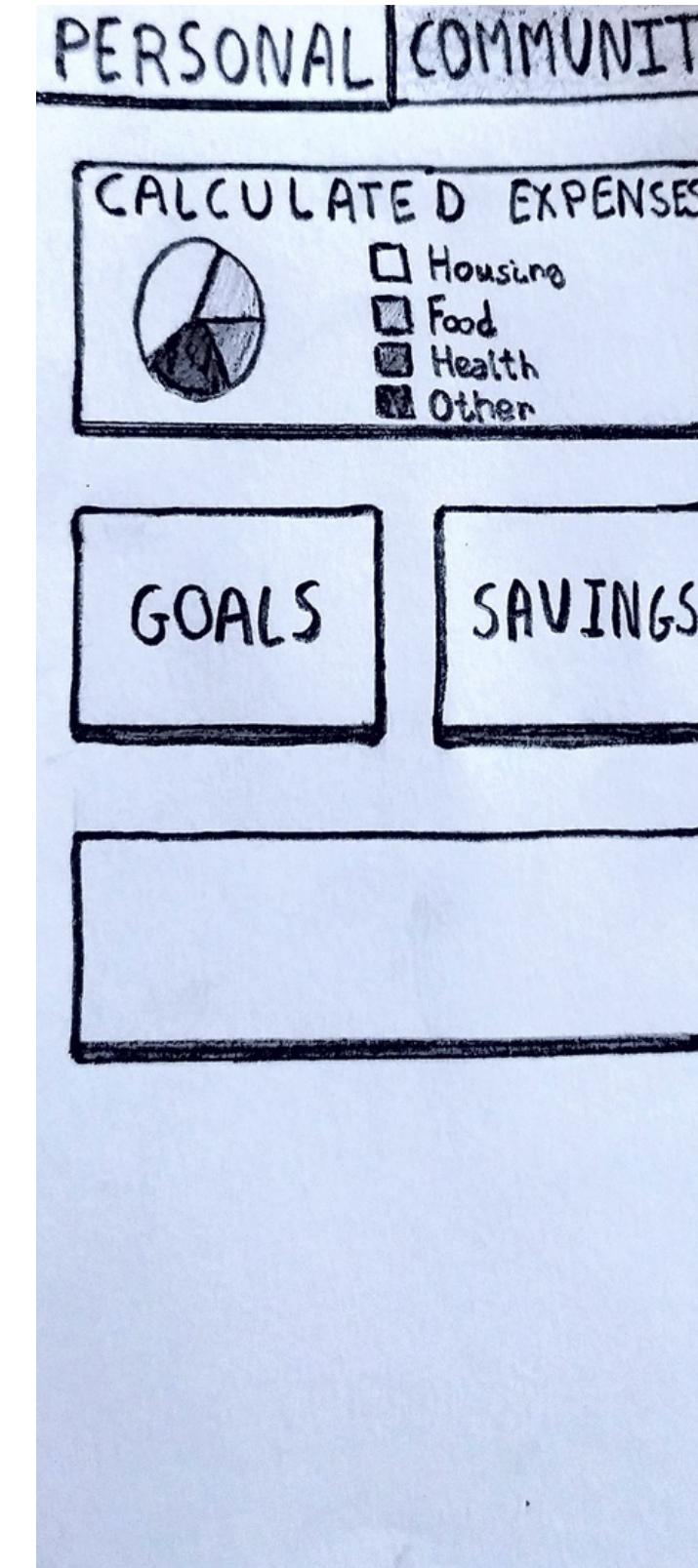
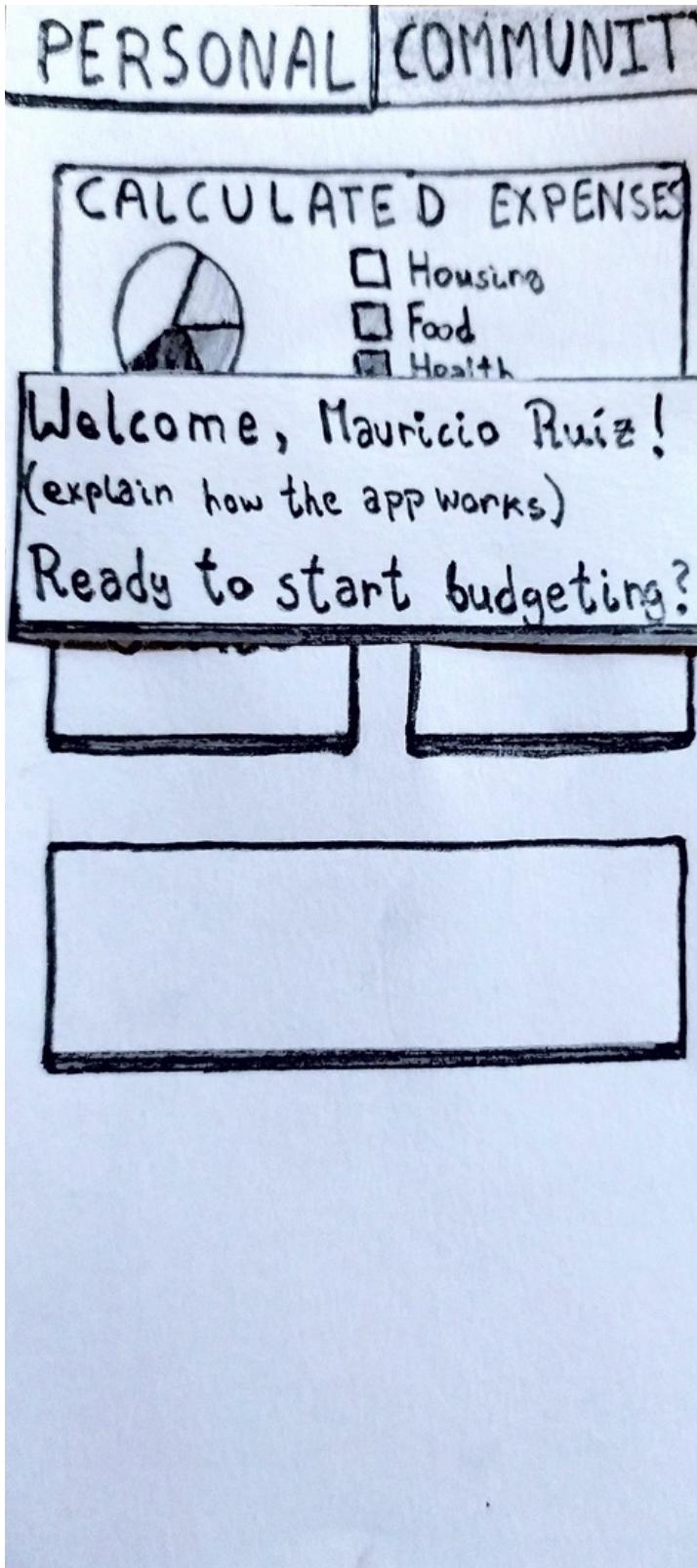
Low-Fidelity Prototype

- Second Iteration -



Low-Fidelity Prototype

- Second Iteration -



Low-Fidelity Prototype

- Second Iteration -

Rent

- In which district do you want to live?
- In which municipality do you want to live?

Food

- Do you have any diet?
- How often do you eat out?

Other

- Do you go to the gym?

Transportation

- How often do you use your car?



Housing

Which district will you live in
Lisbon

Which municipality will you live in?
Loures

Food

Do you follow any of these diets
Vegan

How often do you eat out?
1 per week
0
0
0

Other

Do you go to the gym?

How often do you eat out?
1 per week
0
0
0

Other

Do you go to the gym?
Yes
0
0
0

Transportation

How often do you use your car?
3 per week
0
0
0

Low-Fidelity Prototype

- Second Iteration -

Housing

Which district will you live in?
Lisbon

Which municipality will you live in?
Lourdes

Food

Do you follow any of these diets?
Vegan

How often do you eat out?
1 per week

Other

Do you go to the gym?
No

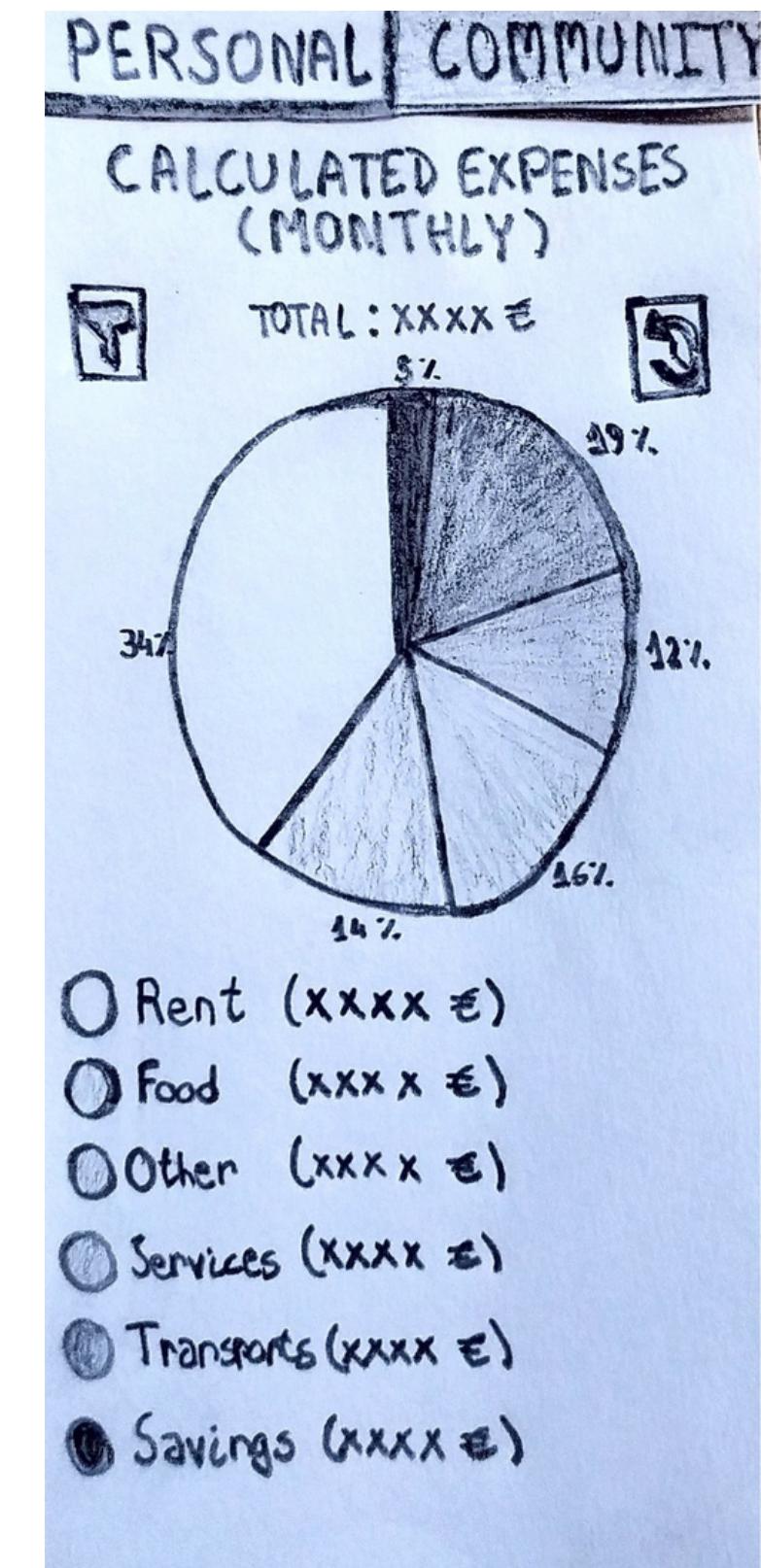
How often do you eat out?
1 per week

Other

Do you go to the gym?
No

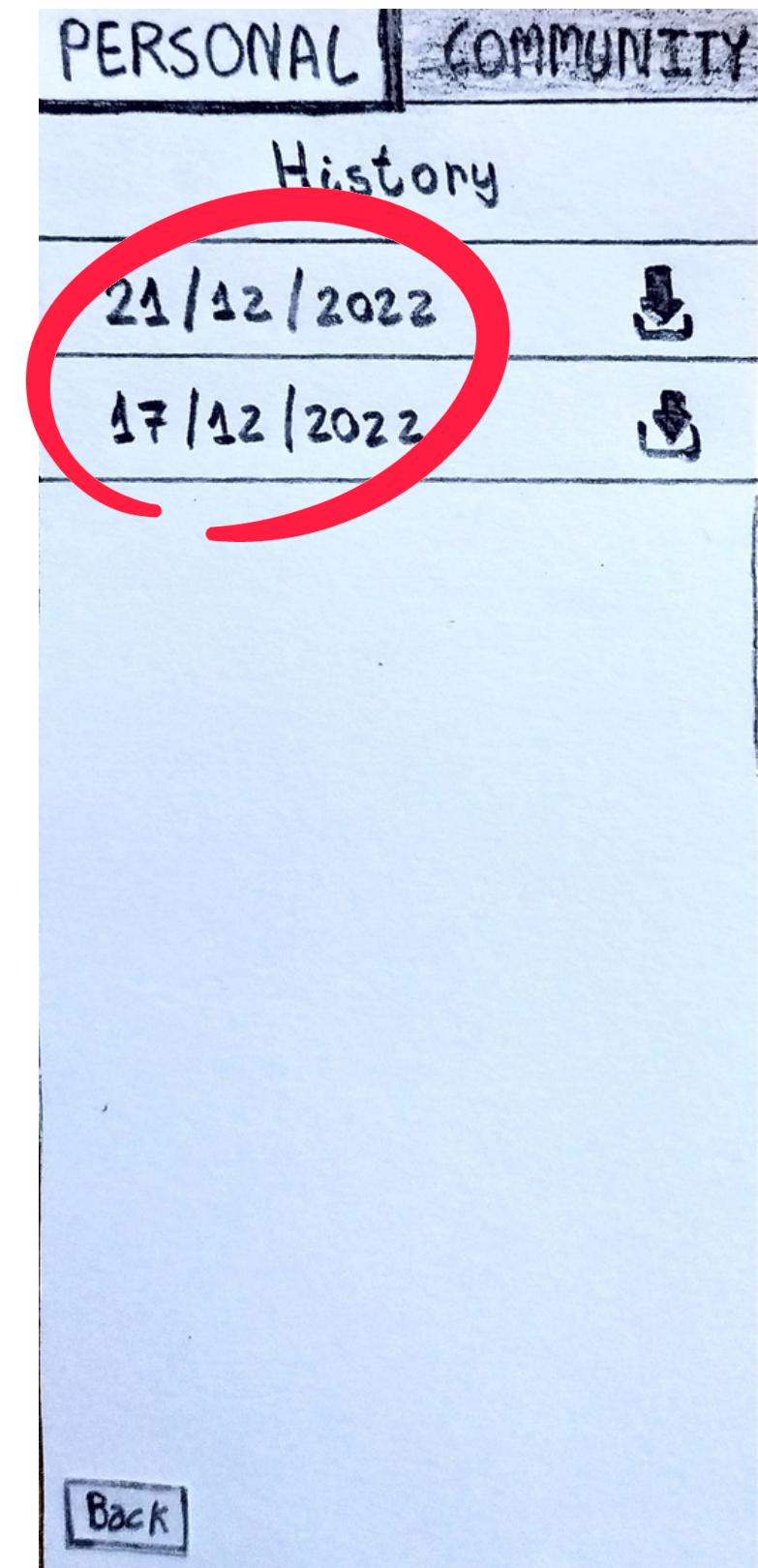
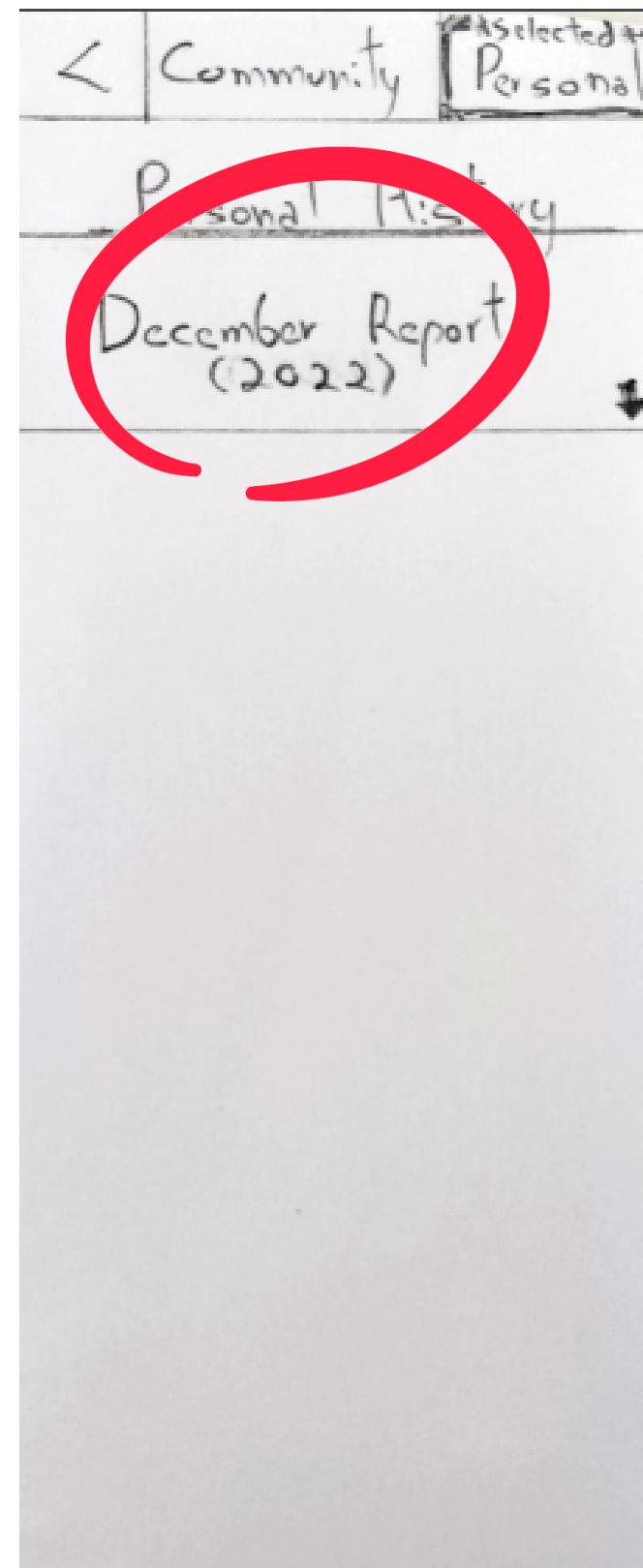
Transportation

How often do you use your car?
3 per week



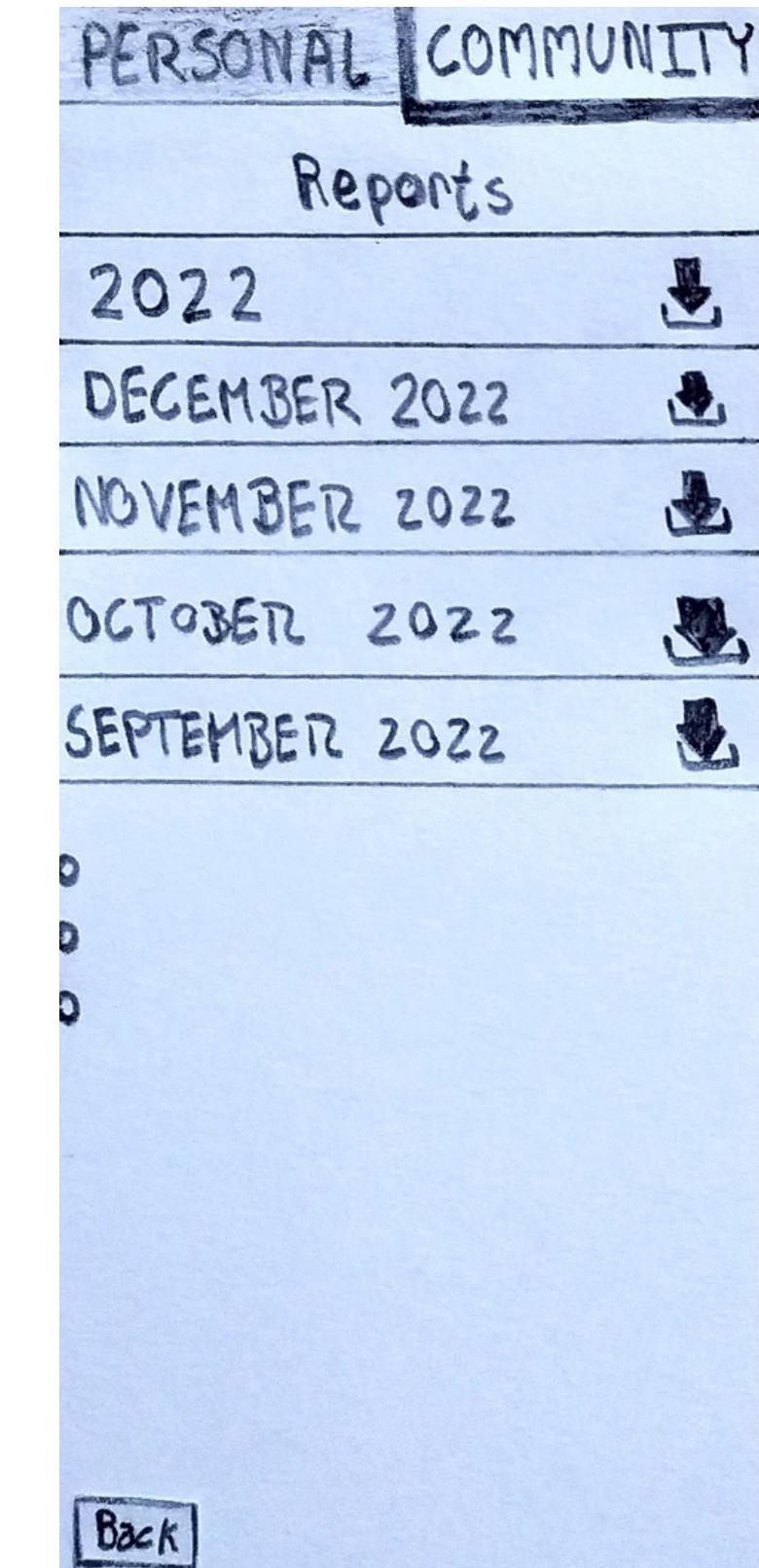
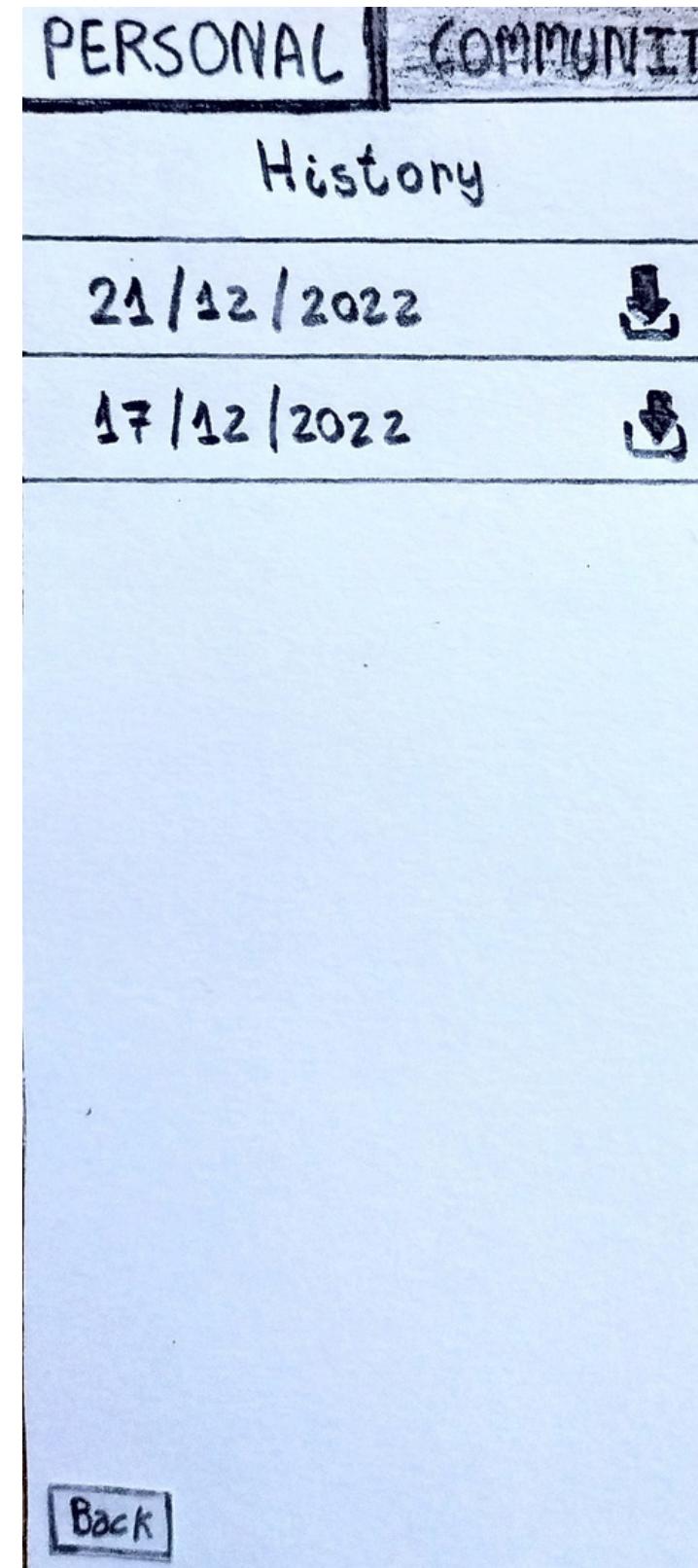
Low-Fidelity Prototype

- Second Iteration -



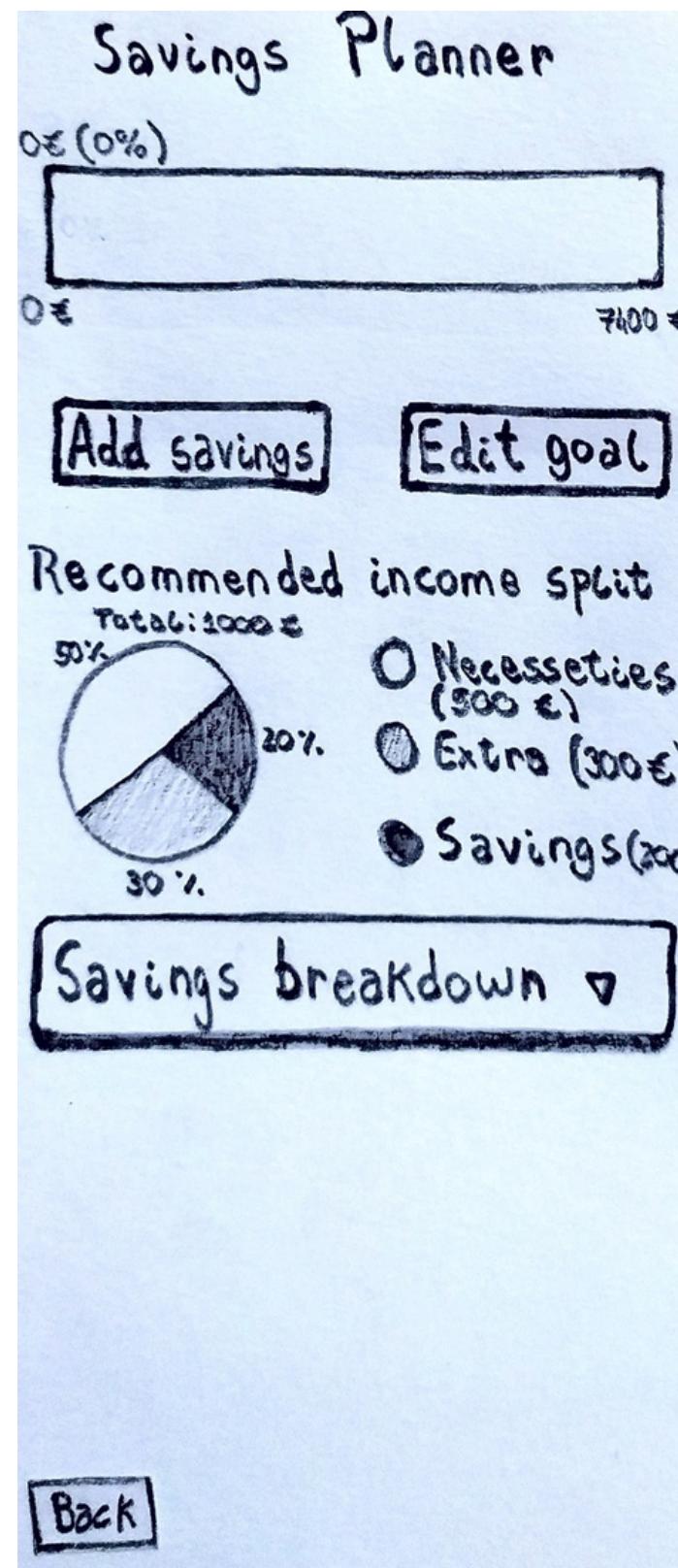
Low-Fidelity Prototype

- Second Iteration -



Low-Fidelity Prototype

- Second Iteration -



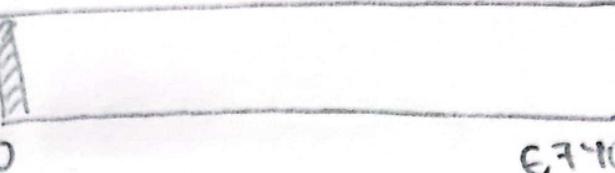
Low-Fidelity Prototype

- Second Iteration -

Savings Planner

Goal: €7400

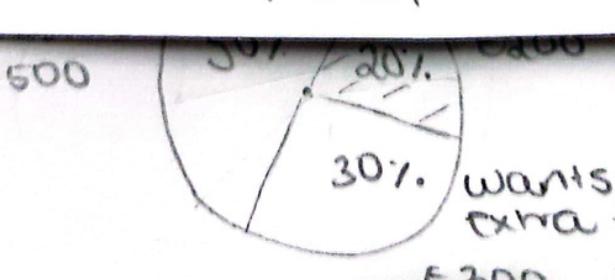
Current progress



How many months do you want to be covered for when you arrive in Portugal?

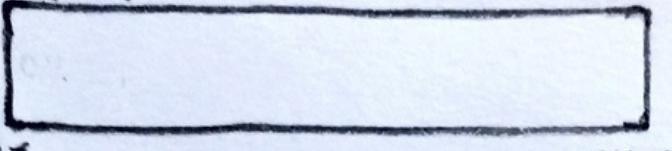
4 months

Recommended: 6-8 m
[no work contract]
with work contract:
3-4m
• Average (Community)
• 2m



Savings Planner

0€ (0%)



How many months do you want to be covered for when you arrive in Portugal?

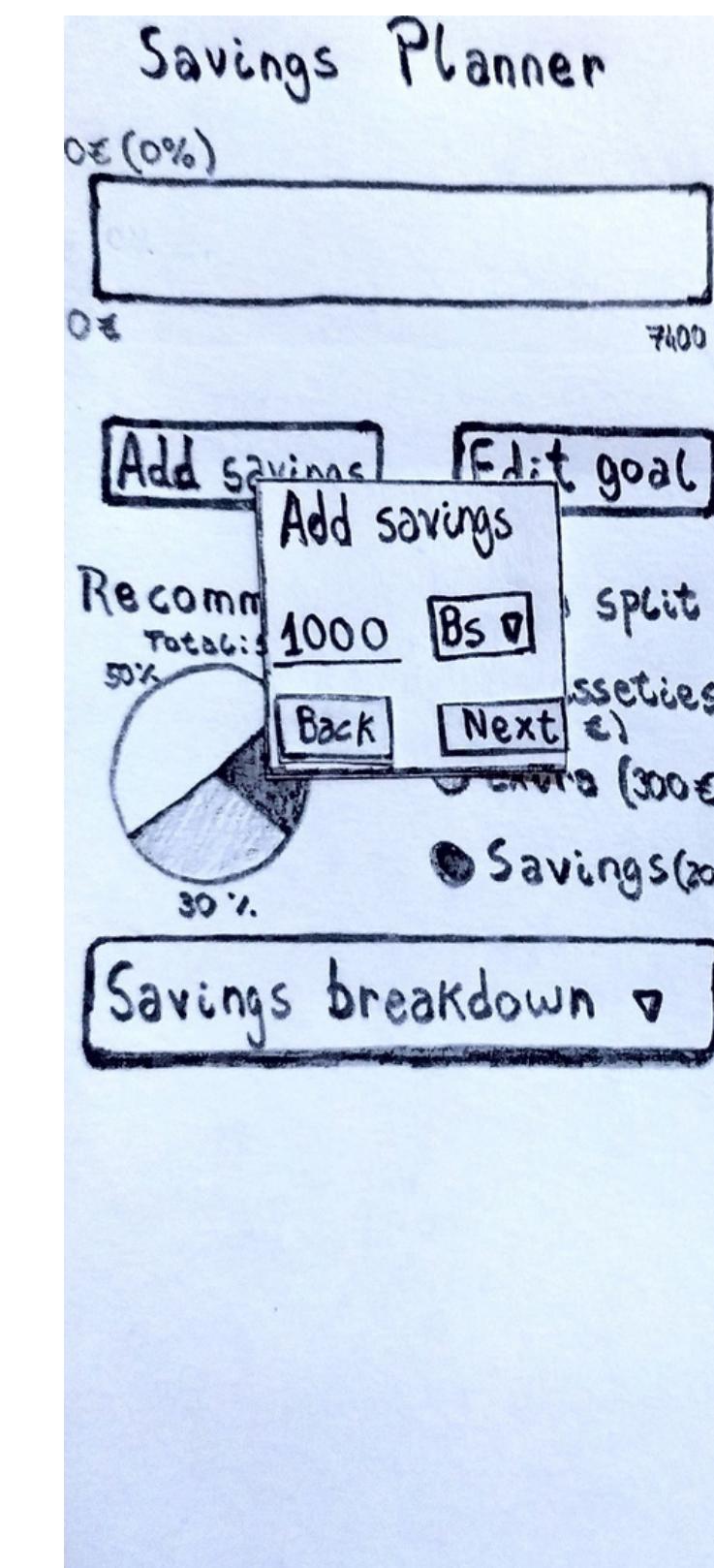
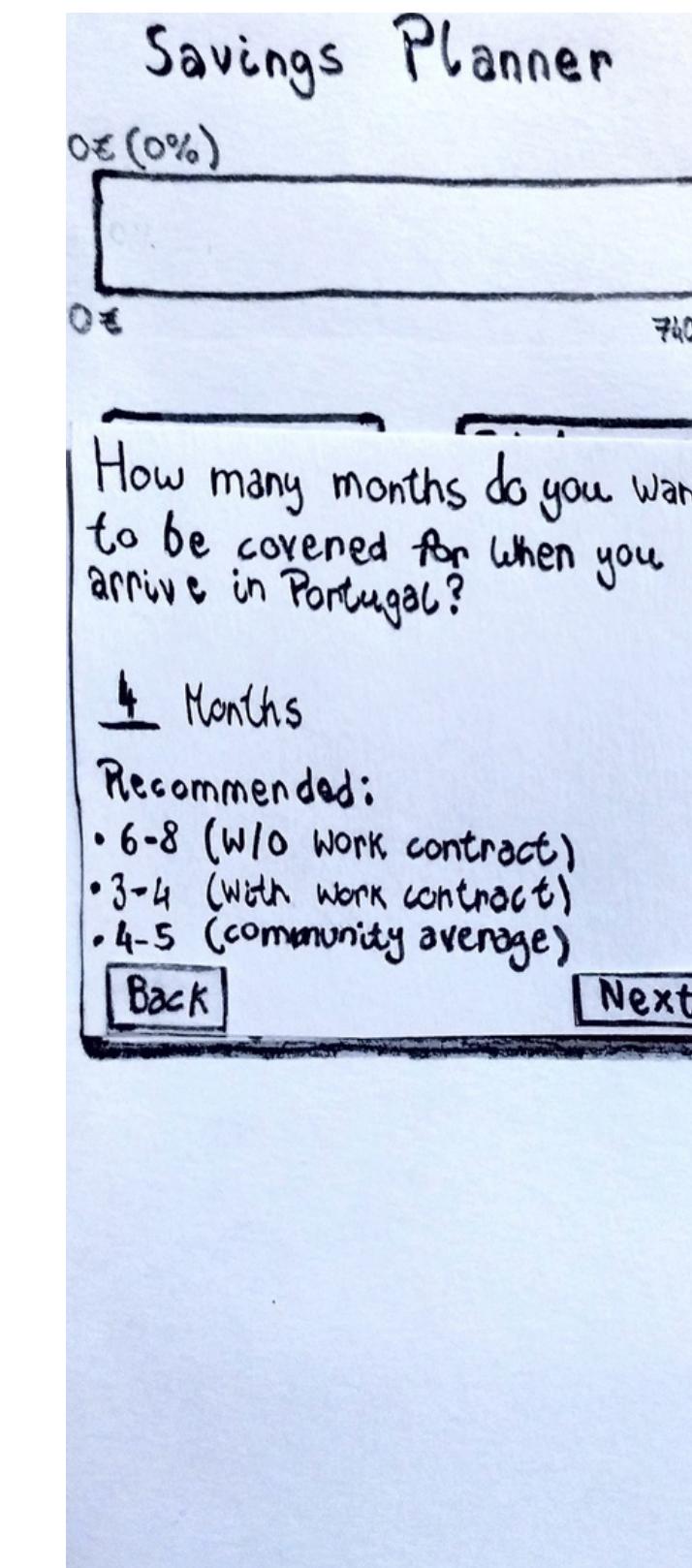
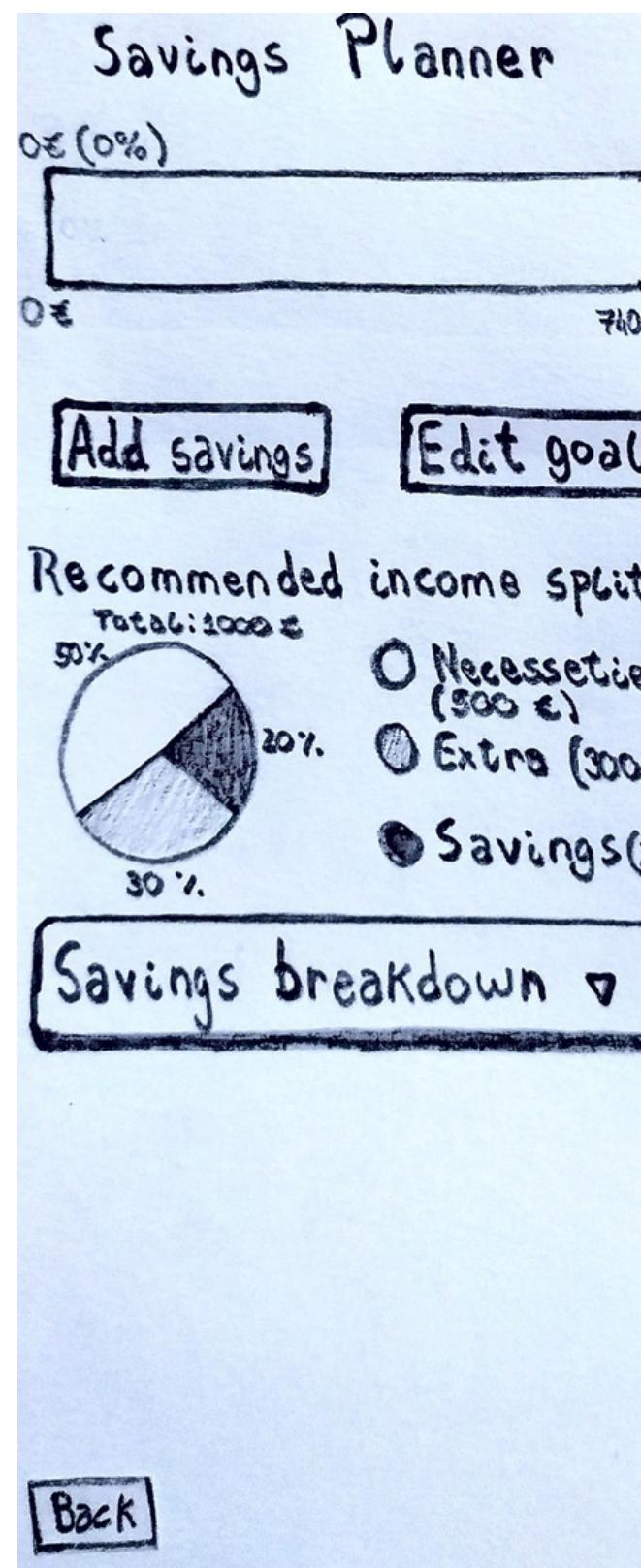
4 months

Recommended:

- 6-8 (W/O work contract)
- 3-4 (With work contract)
- 4-5 (community average)

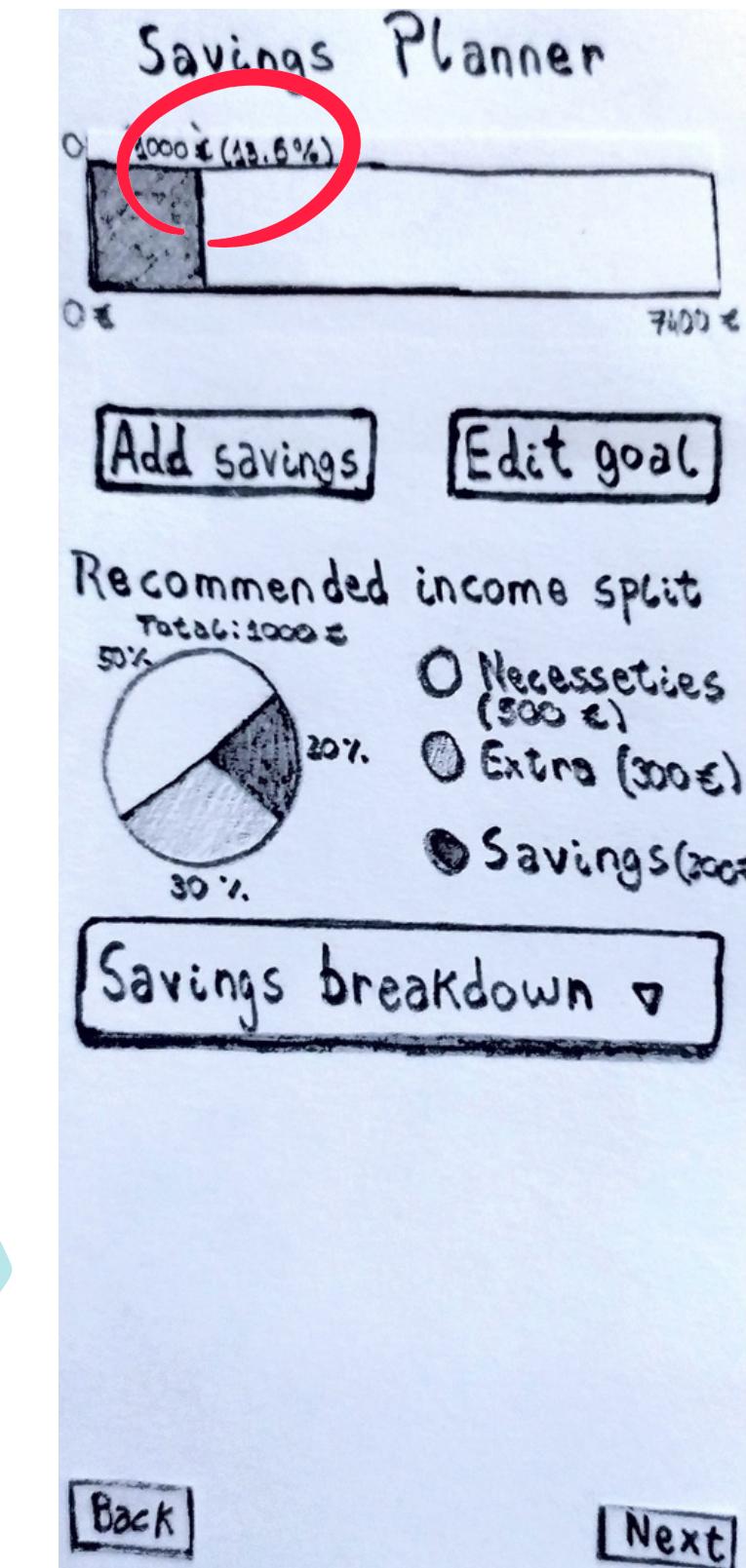
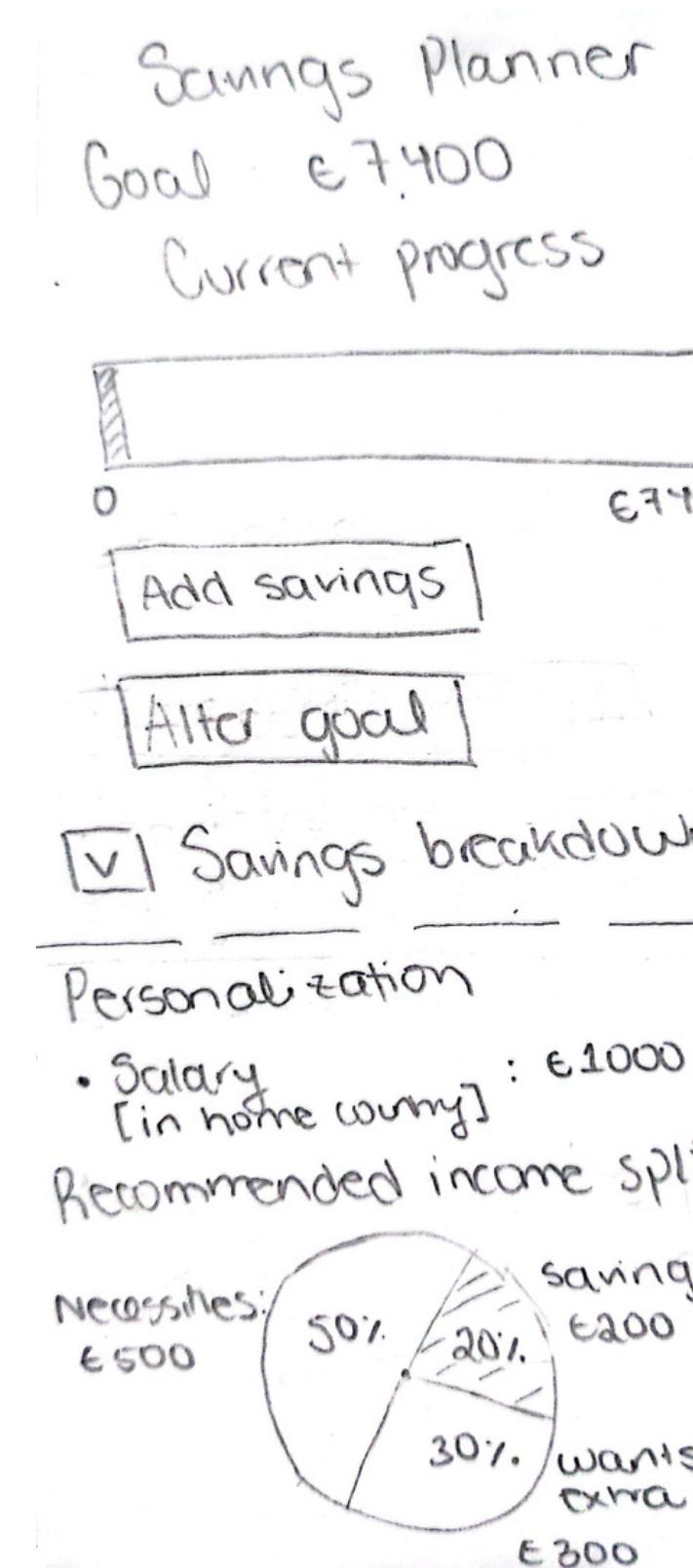
Low-Fidelity Prototype

- Second Iteration -



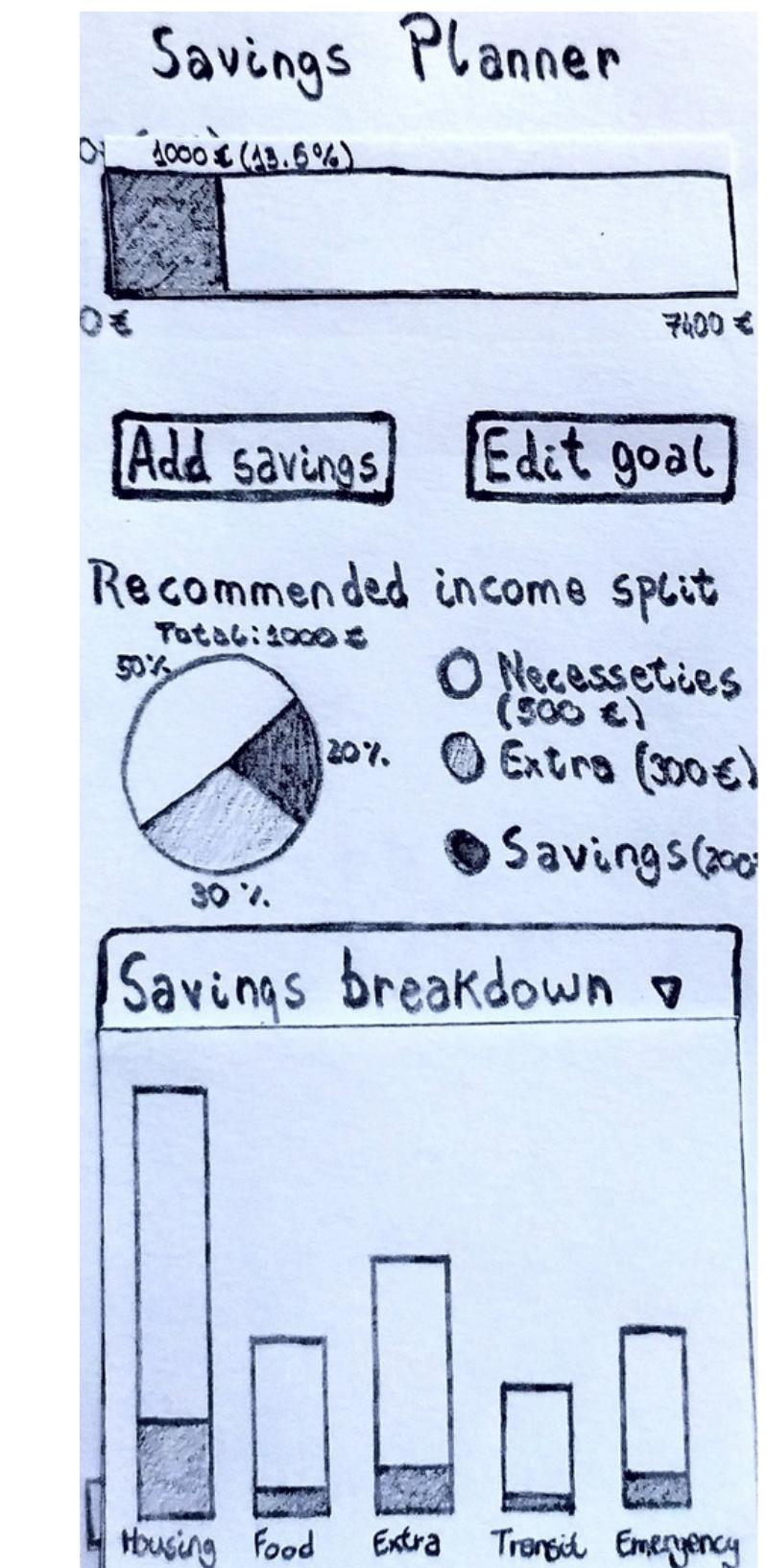
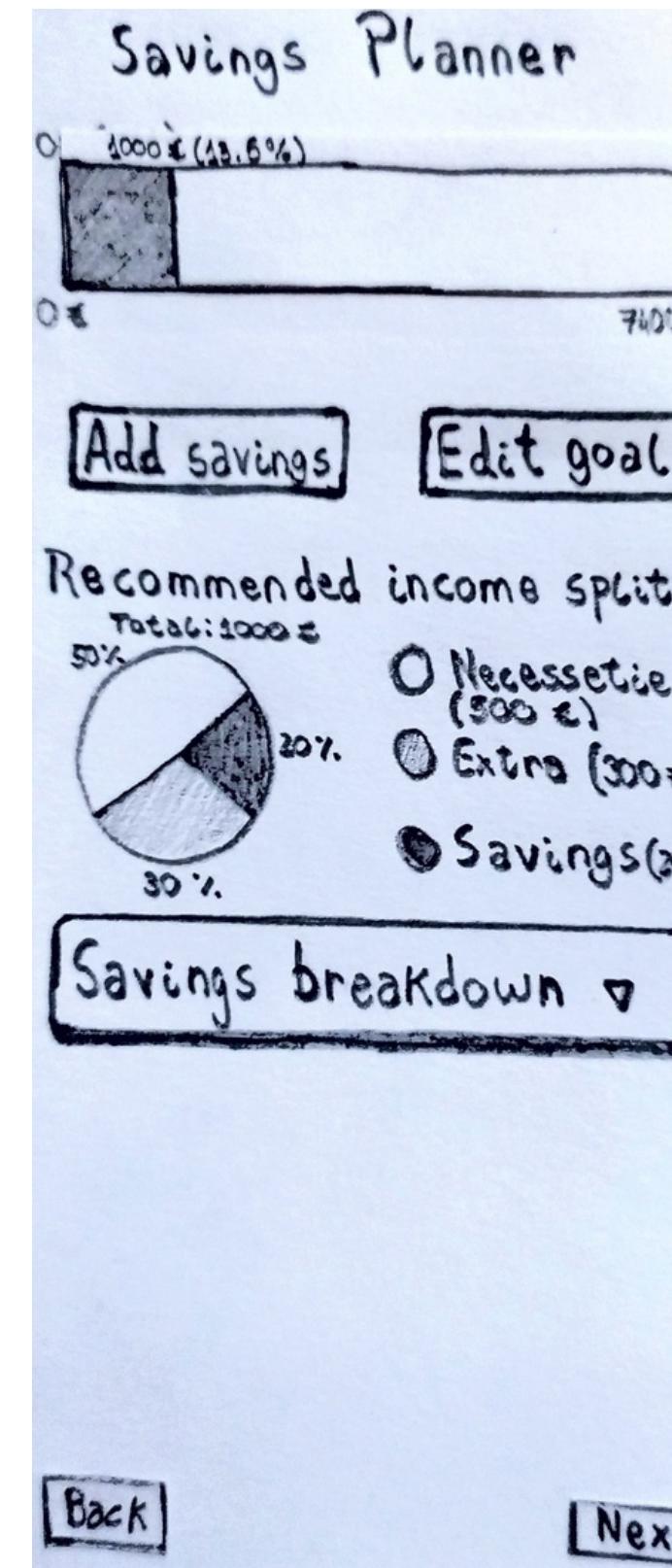
Low-Fidelity Prototype

- Second Iteration -



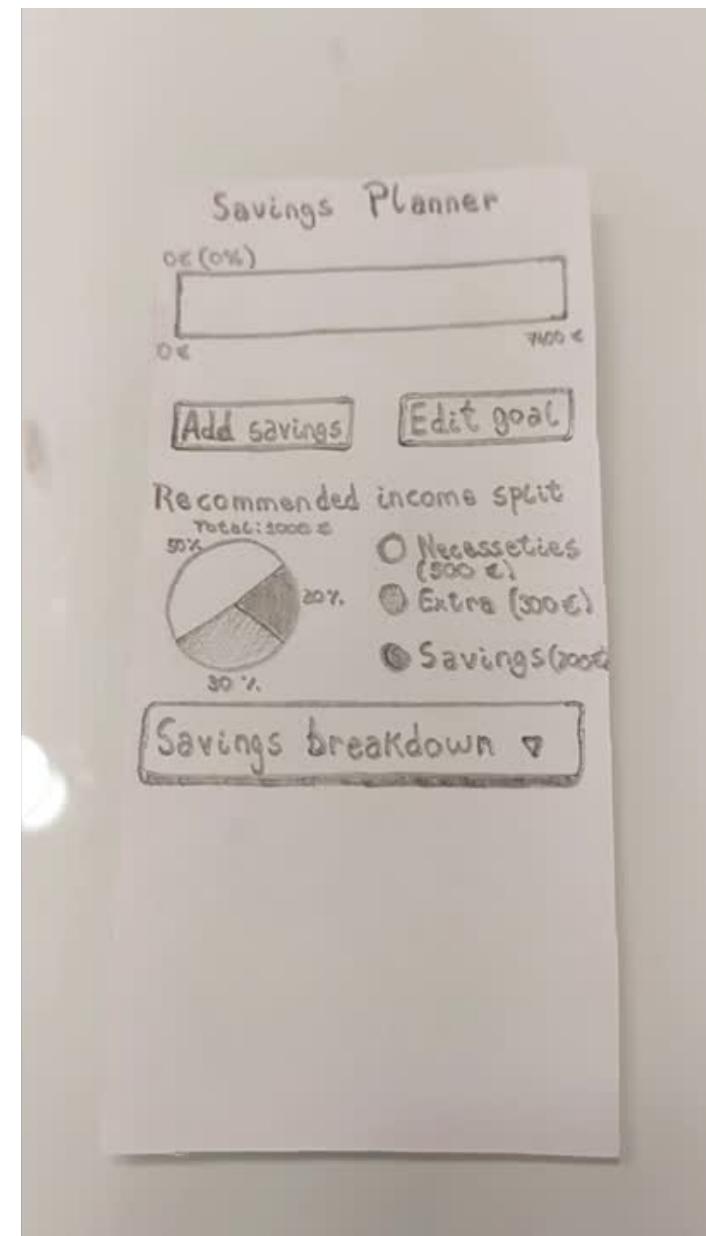
Low-Fidelity Prototype

- Second Iteration -



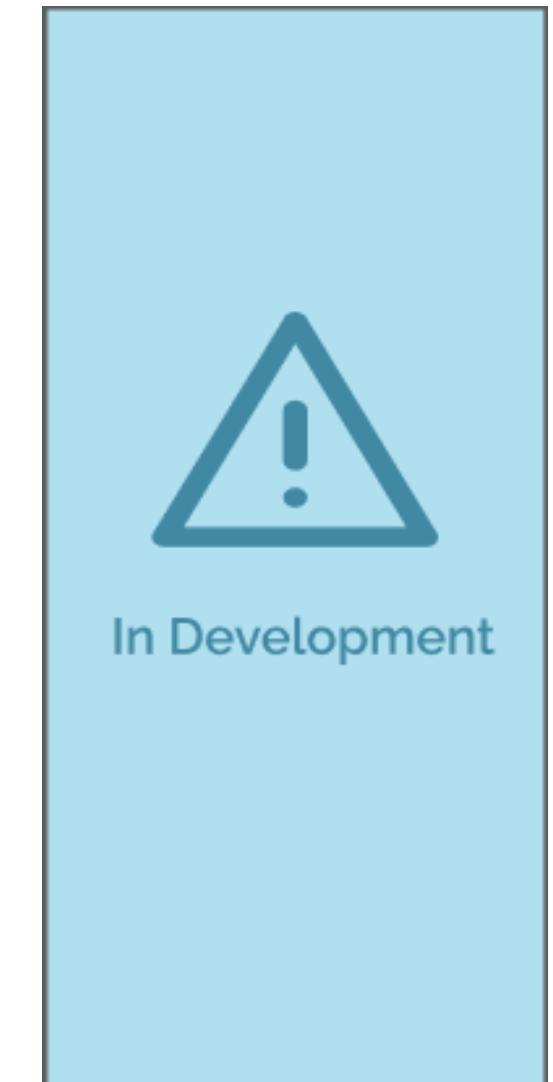
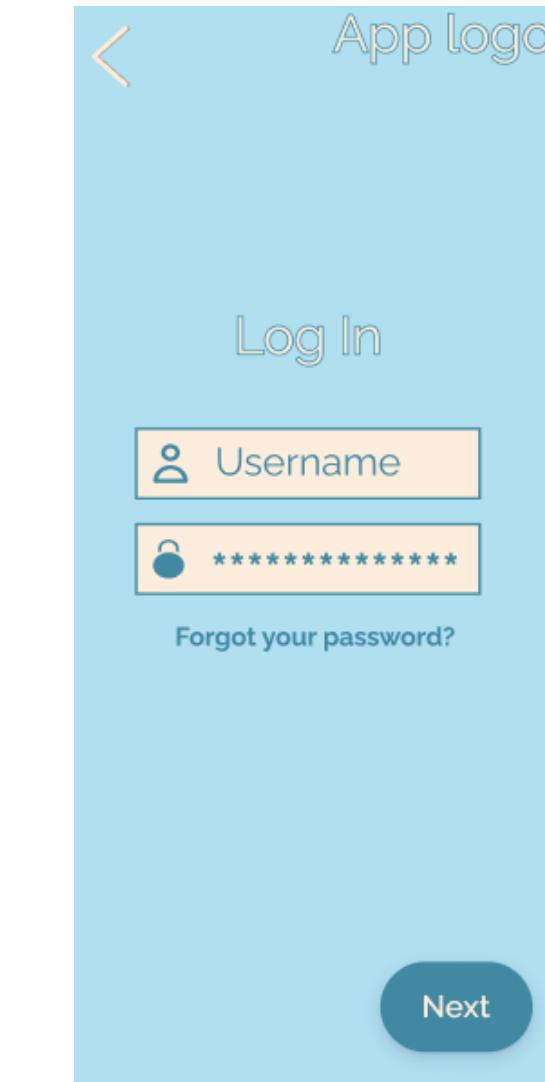
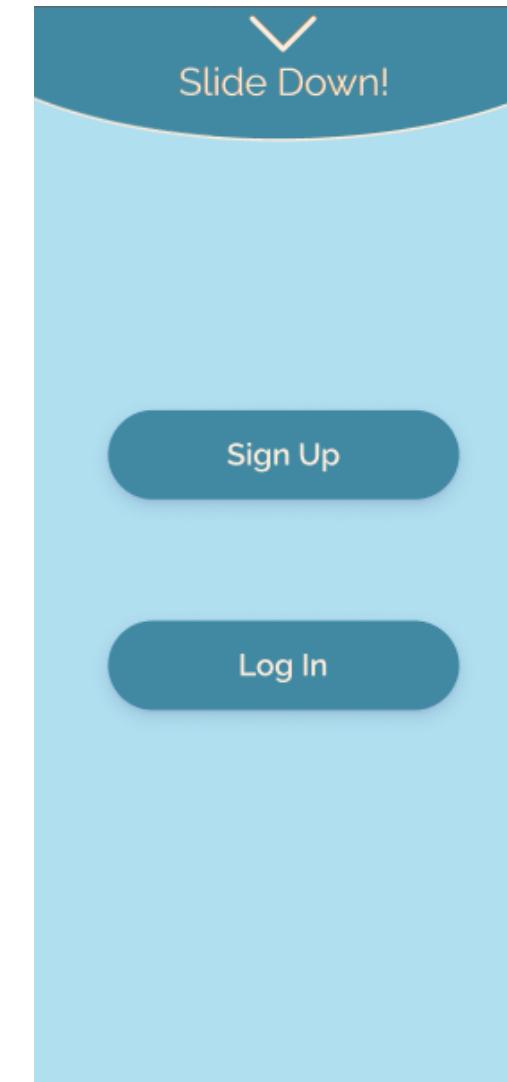
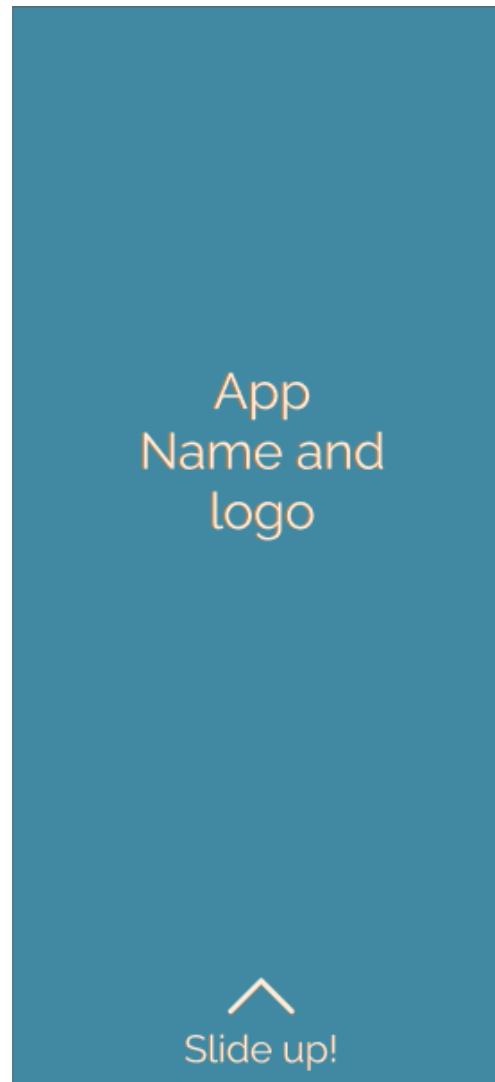
Low-Fidelity Prototype

- User Evaluation -



Mid-Fidelity Prototype

- First Iteration -



Mid-Fidelity Prototype

- First Iteration -

Personal Community

Calculated Expenses (Monthly)

We need to personalize your data in order to calculate your future expenses.

Back Personalize Data

Housing

- Which district will you live in?

Food

- Do you follow any of these diets?
- How often do you eat out?

Other

- Do you go to the gym?

Transportation

- How often do you use your car?

Back Next

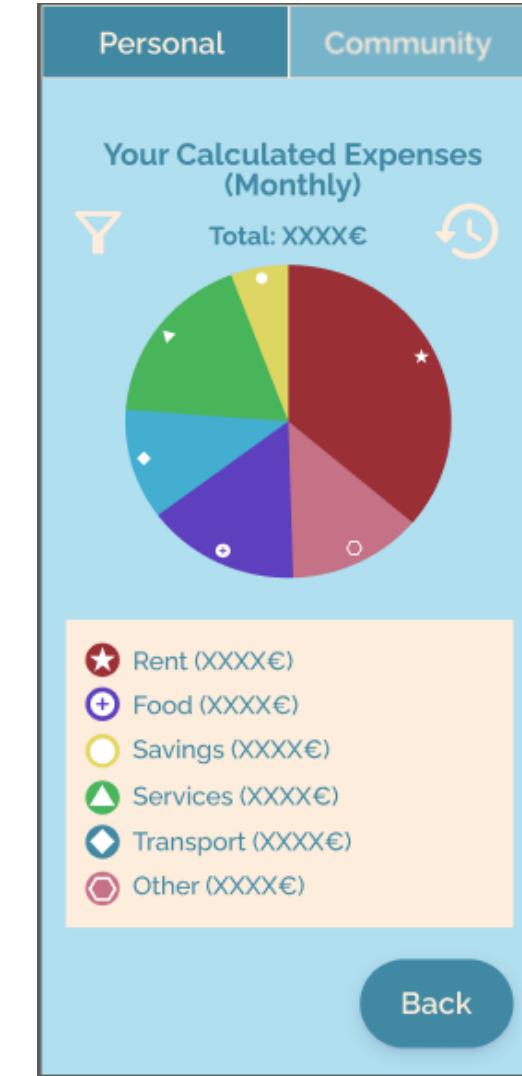
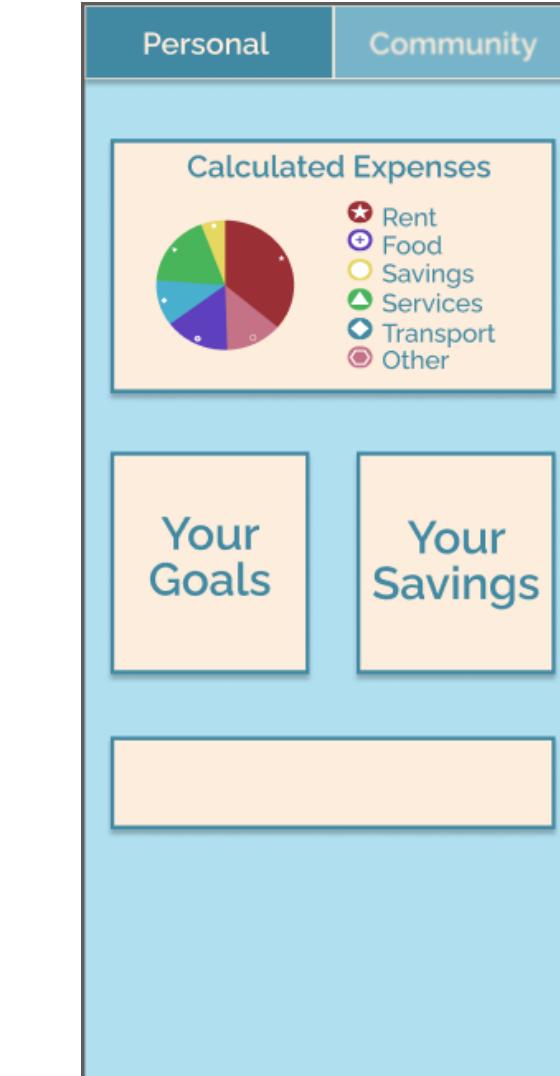
Personal Community

Calculated Expenses

Welcome *Username*!

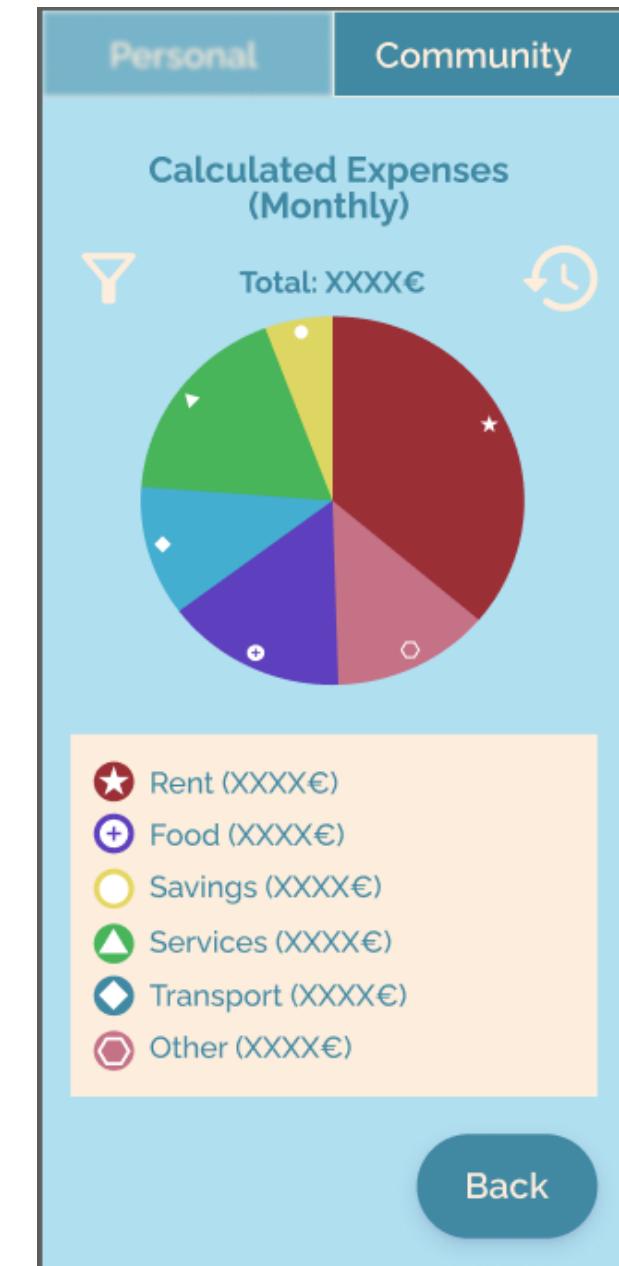
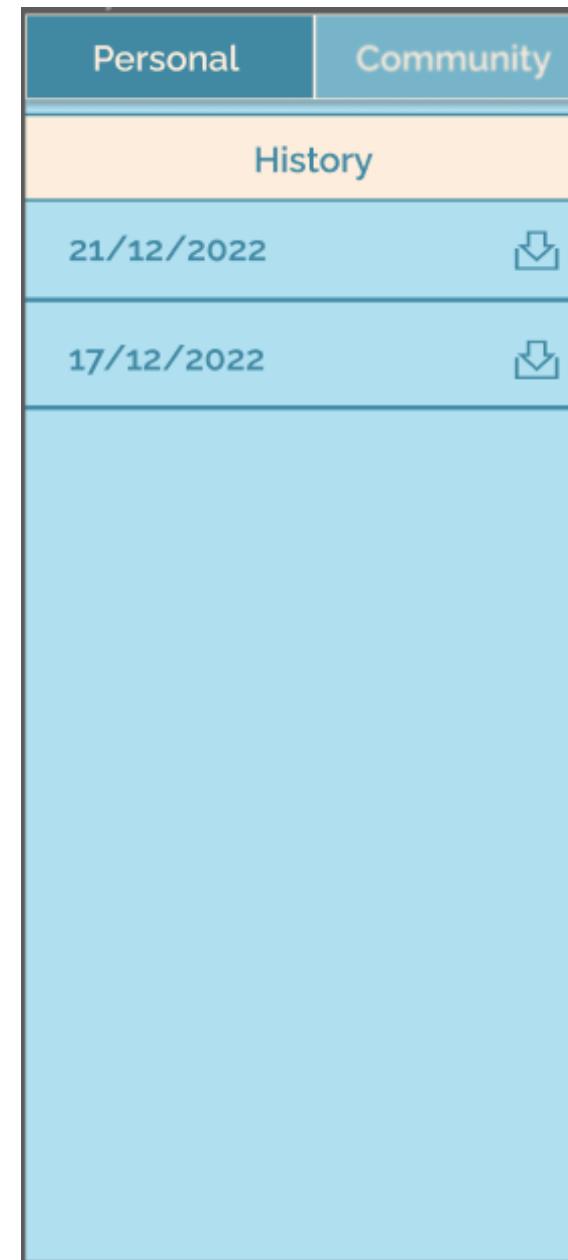
App Name is a budget manager app specially designed for users that are either planning to move or have recently moved to Portugal. Our aim is to help you achieve both your short and long term financial goals!

Ready to start budgeting?



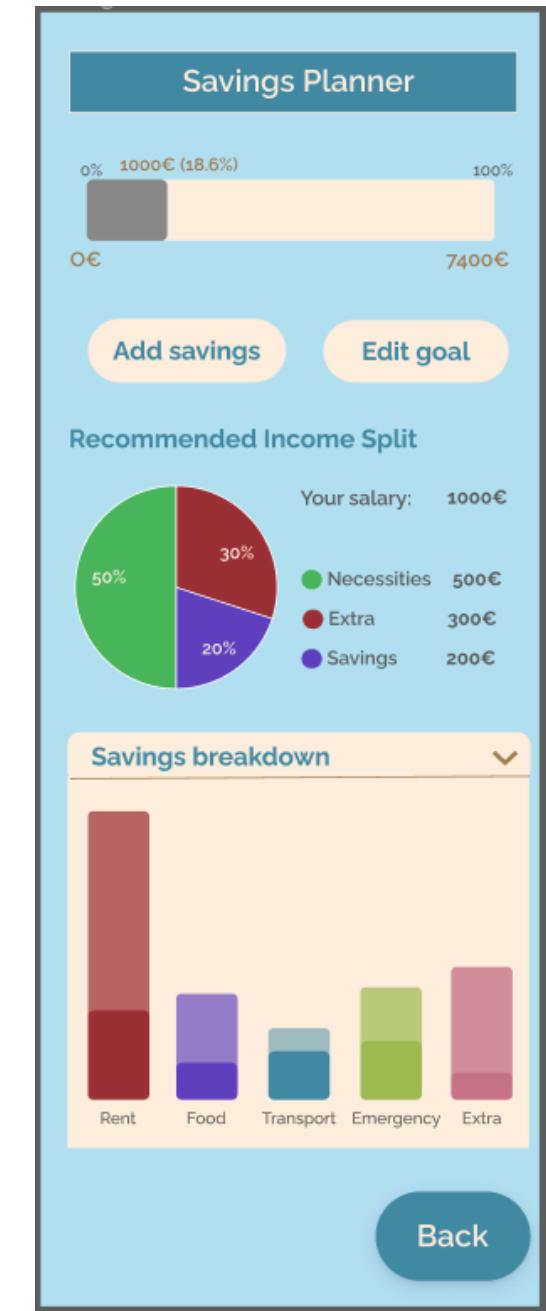
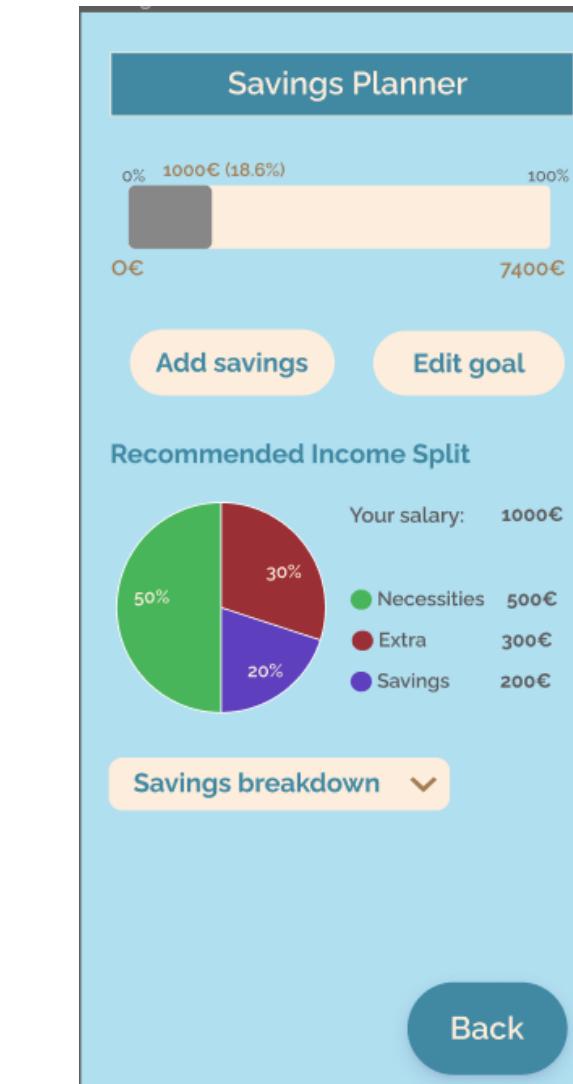
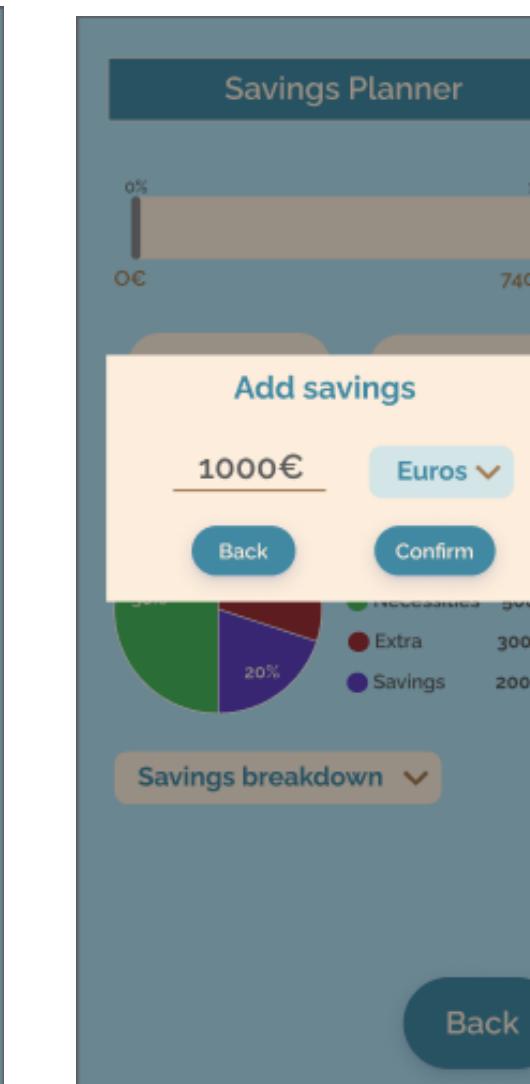
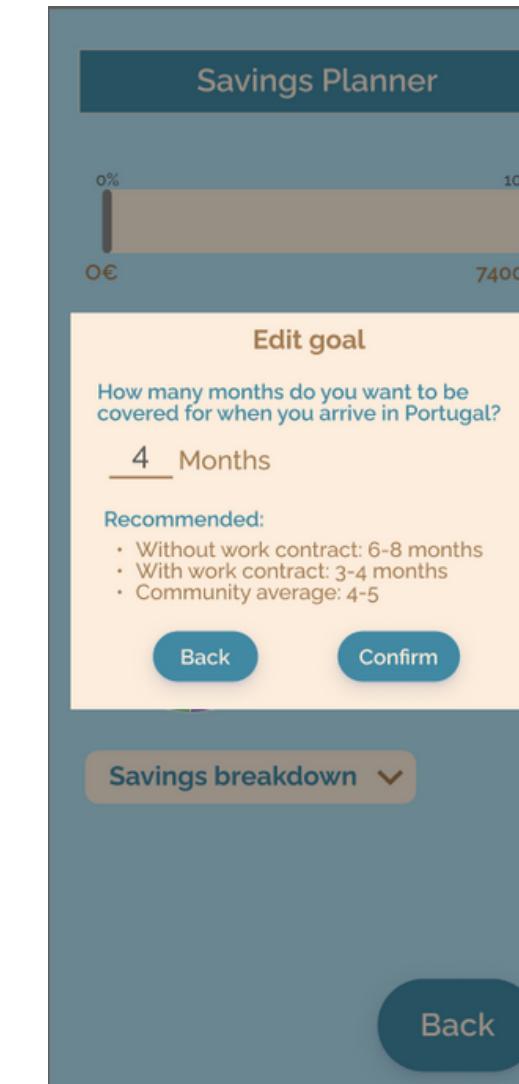
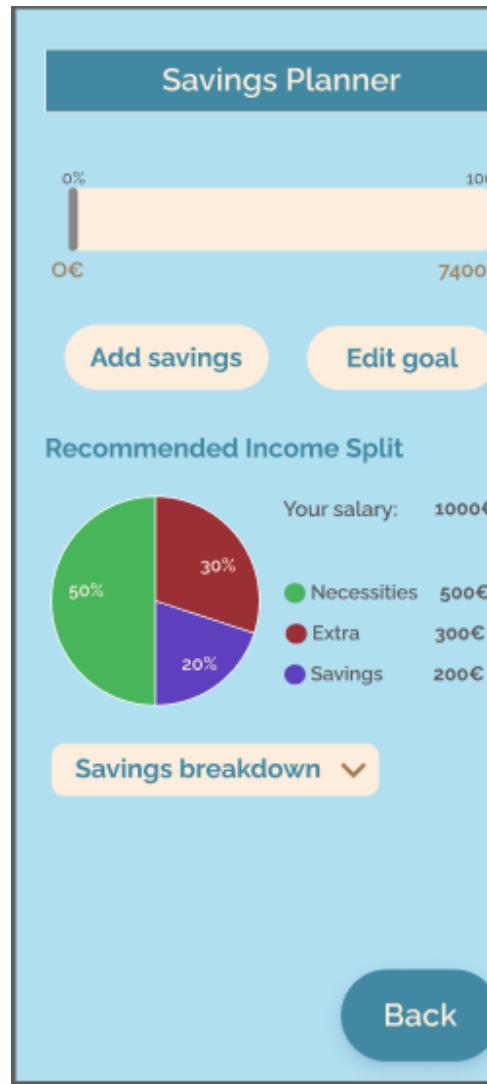
Mid-Fidelity Prototype

- First Iteration -



Mid-Fidelity Prototype

- First Iteration -



Mid-Fidelity Prototype

- User Evaluation -

App logo <

Complete your profile

Name

Age

Nationality

Living in Portugal
Yes/No

Next

App logo <

Log In

Username

Password

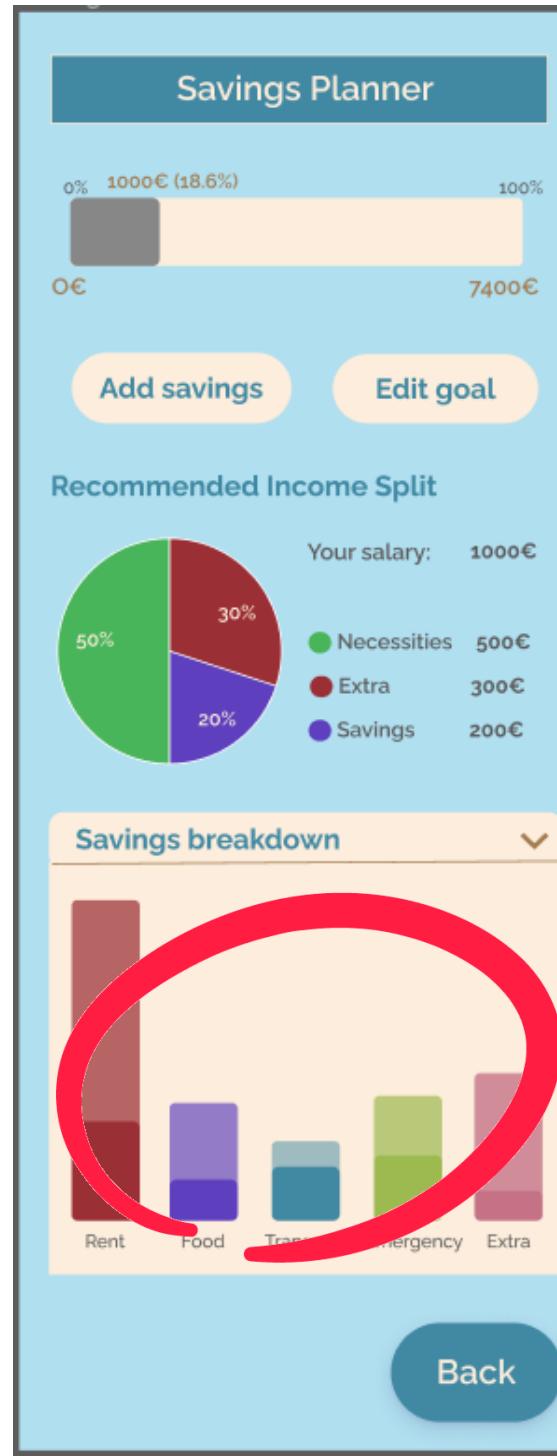
Forgot your password?

Next



Mid-Fidelity Prototype

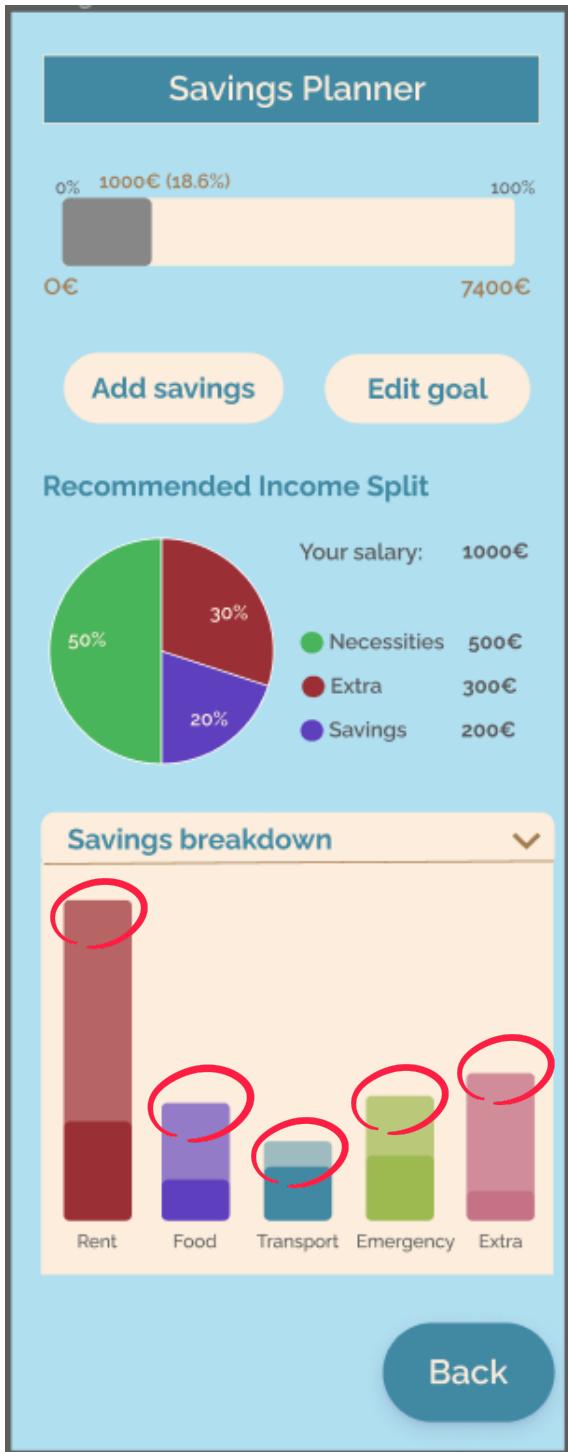
- User Evaluation -



"I would prefer if the savings breakdown graphic was ordered by biggest expenses to smallest expenses"

Mid-Fidelity Prototype

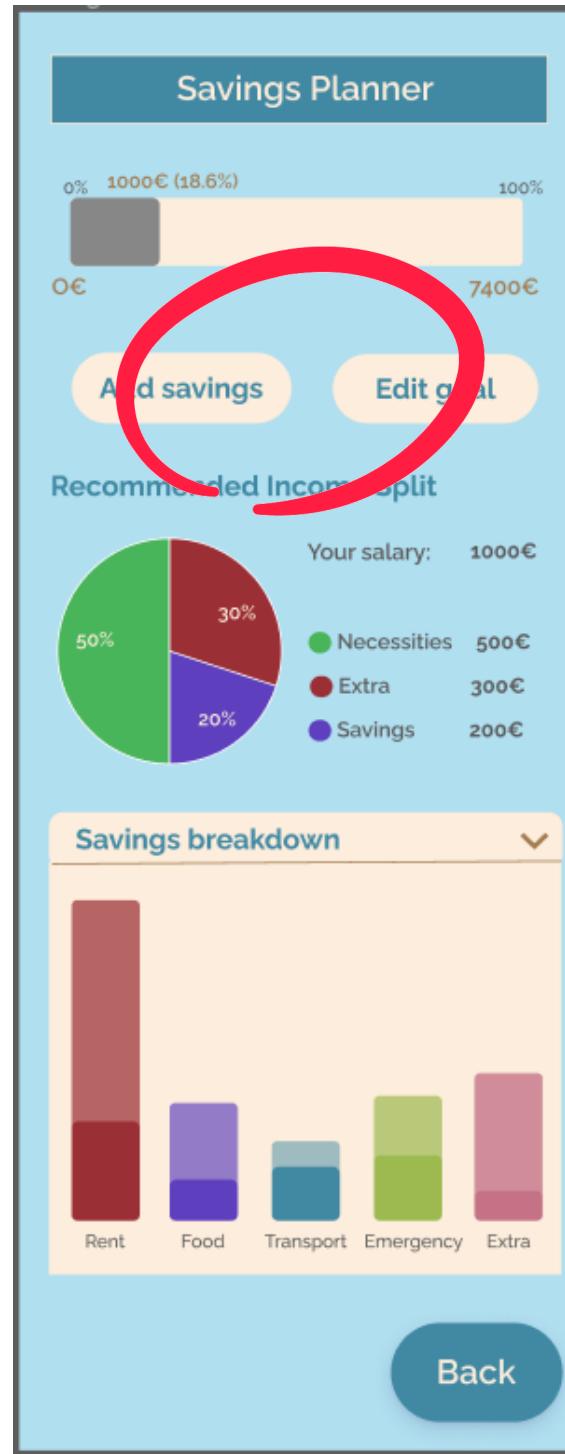
- User Evaluation -



"Maybe you could add percentages/values to the top of the progress bars"

Mid-Fidelity Prototype

- User Evaluation -



*"I think it would be useful to have a "**change salary**" button in this section"*

Evaluation Plan

Apply feedback received from the Mid-Fidelity Prototype testing to develop our High-Fidelity prototype

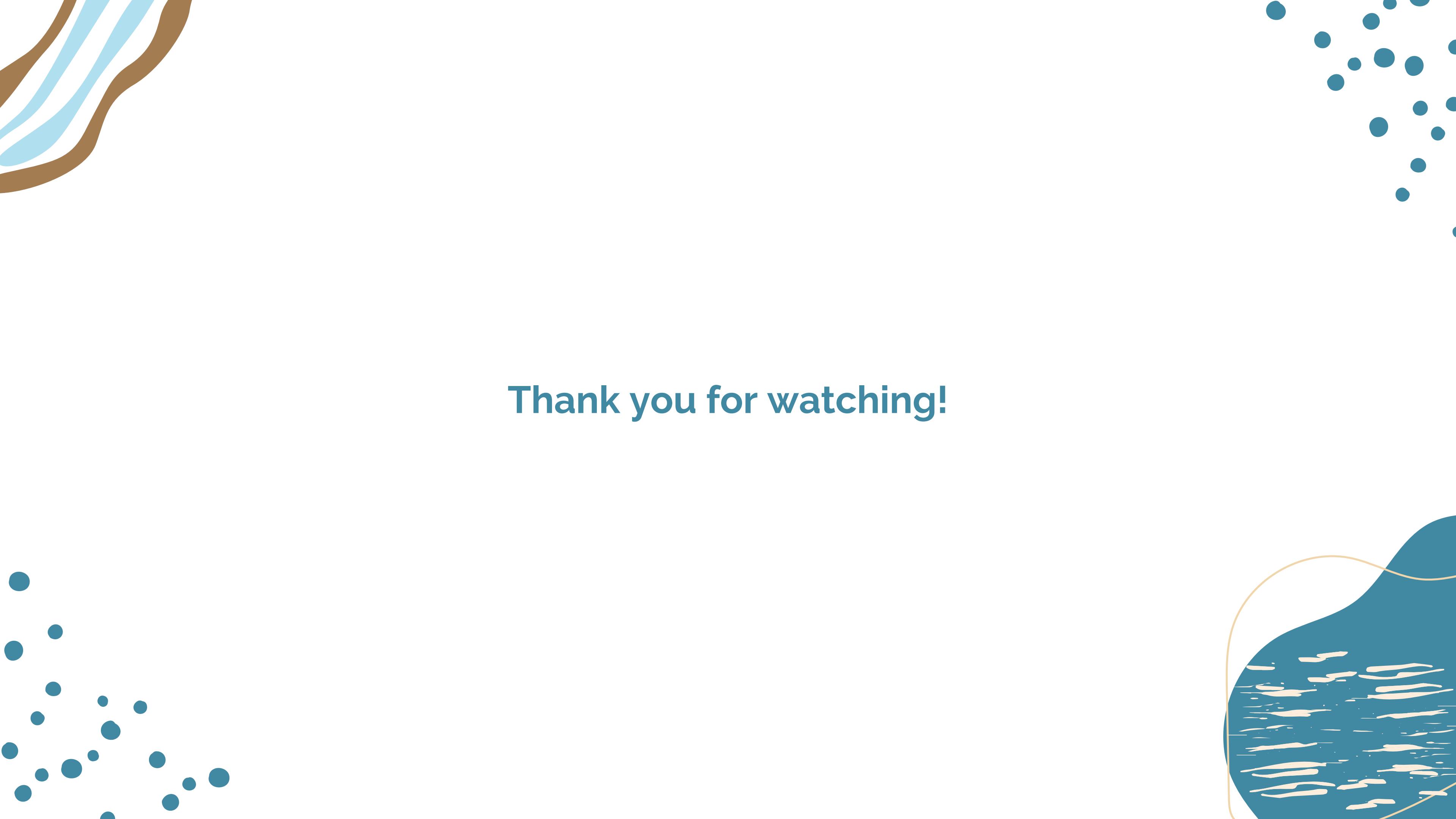
Perform usability testing (SUS, AttrakDiff, measure effectiveness, efficiency and satisfaction)

Summarize, Analyze and Communicate about the issues found during testing

Iterate as many times as needed to have a proper functioning High-Fidelity Prototype

Reach our final app design

Prepare for the project presentation

The background features abstract graphic elements. In the top left corner, there are blue and brown wavy lines. In the top right corner, there is a cluster of teal bubbles of varying sizes. In the bottom left corner, there is a cluster of teal bubbles. In the bottom right corner, there is a large, stylized blue shape with white wavy patterns inside, outlined in gold.

Thank you for watching!