

Usability Testing

We are 6GEEKS!

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About the Project

We want to provide users with a concrete way to be more Eco Friendly, by tracking their CO₂ emissions in Transportation, Purchases, Diet, Energy and Housing, and working towards reducing them alongside their community.



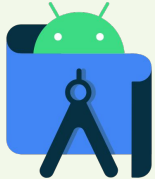
Timeline

This Week

- User Testing



- Continuing Development

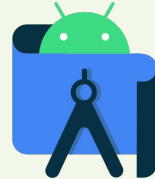


Next Week

- Incorporating User Insights



- Finalizing Development

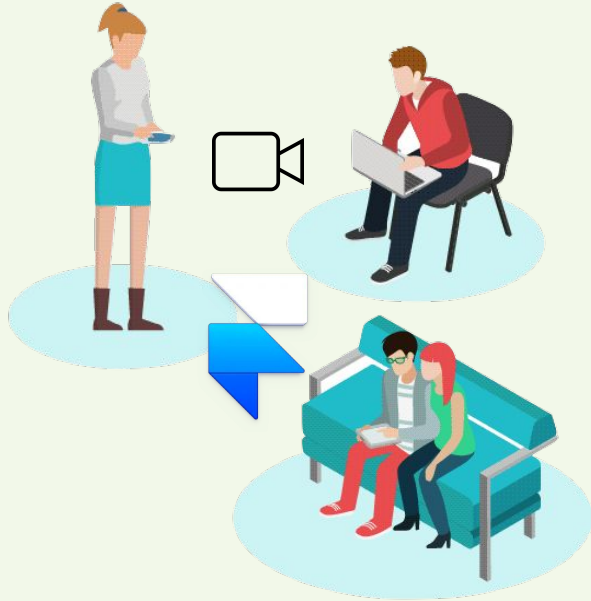


01

User Study

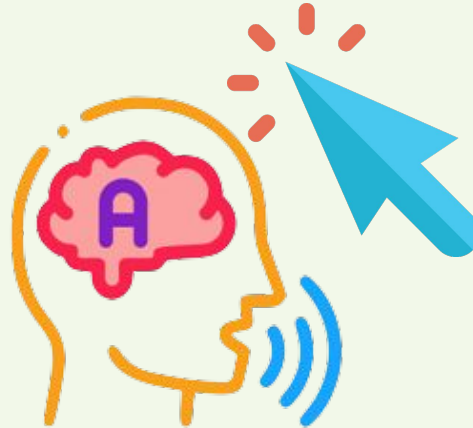


Methodology



users were asked to perform a series of tasks on our High-Fidelity prototype

we used think aloud and measured the amount of clicks per task



data was collected via screen recording and note taking



Tasks

**Fill the CO2
Baseline Survey**



**Find your
category of most
CO2 emissions**



**Add a Product
you bought to your
CO2 emissions**



**Find a Tip and
your Profile Page**



02

Analysis of Results



Quantitative



6



20 min.

	Baseline	Average	Max	Min
Task 1	15	18.2	28	12
Task 2	0	6.2	20	0
Task 3	5	8.2	8	6
Task 4	2	3.5	8	2



Qualitative

01 Initial Survey

wording of many questions was unclear, the answer format didn't always suit the answer.

CO₂ Baseline Survey

i What is your heating system?

Central heating Electric heating

Boiler Portable heater

Furnance Fireplace

Heat pump Gas heating

Solar heating Radiator(s)

i How often do you turn on your heating?

Very Often

Often

Rarely

Never

scroll down for the next page

▼

CO₂ Baseline Survey

i What fuels do you use most of the time?

Wood Kerosene

Charcoal Electricity

Dung/residues Ethanol

Biogas Coal

i How many times per day do you use those fuels?

Insert number...

scroll down for the next page

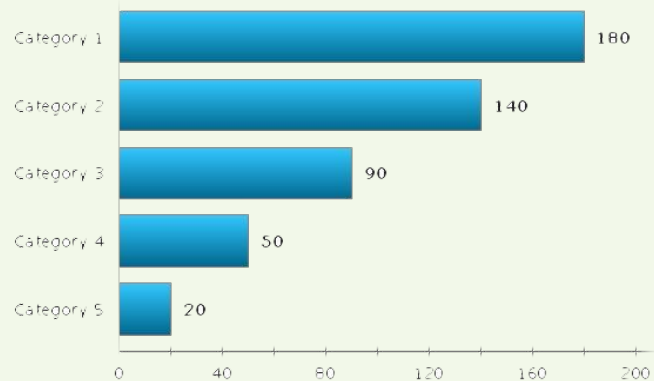
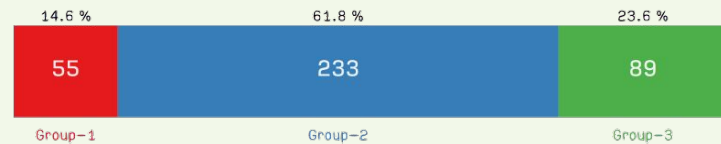
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Qualitative

02 Dashboard

the stacked bar chart
wasn't clear to all users



Qualitative

03 Tracking

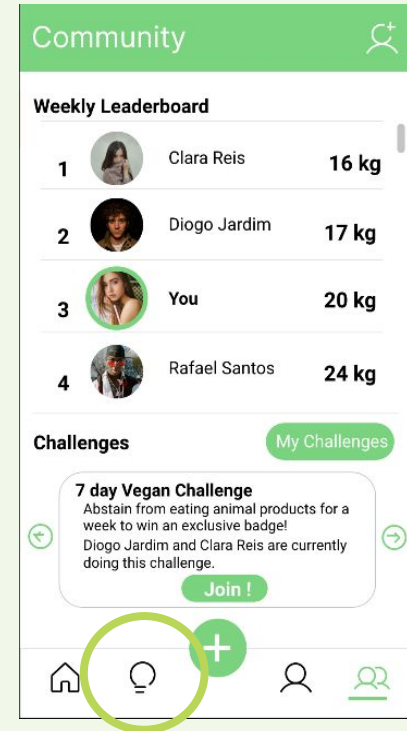
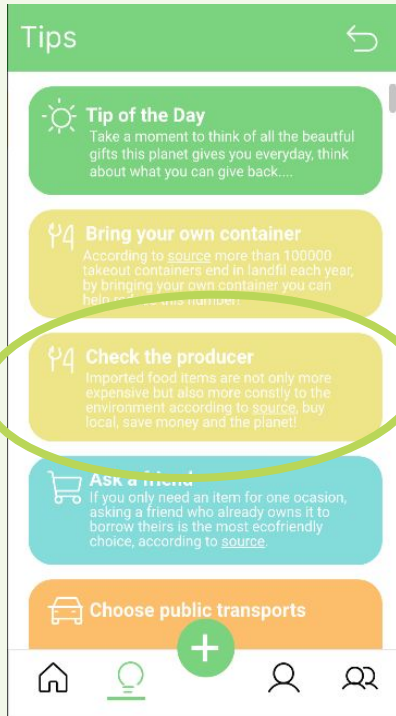
the difference in
between Food and
Purchases wasn't
always clear



Qualitative

04 Other Pages

users were divided when it came to the tips and community page, the tips page has some visibility issues



03

Design Implications

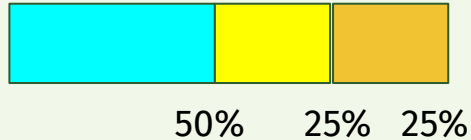


Changes

**Rework the
Survey questions**



**Modify the
stacked bar chart**

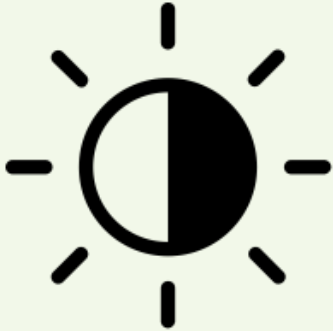


**Increase text
size on Tips**



Changes

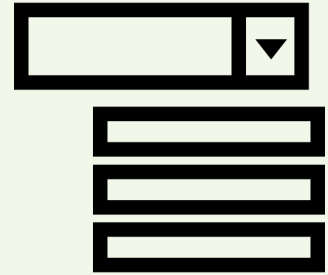
**Switch the
yellow color**



**Switch the
Tips icon**



**Add dropdown
menus**

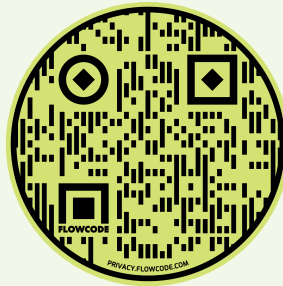


**We are just a bunch of
geeks trying to
change the world one
user at a time.**



Thanks !

Do you have any questions?



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