Preliminary Study protocol G-06

Participant ID’s: Ian : 1-9:, Lothaire: 10-19, Marco: 20-29, Sophie: 30-39, Markus : 40-49

1. Welcome participant
2. Participant fills out the demographic questionnaire (age, etc.), assign them a unique ID of your pool (see above)
3. Run npm with vue app on laptop
4. Open the browser on a phone (needs to be on same network, might not work on public network), navigate to local address of vue npm server, scroll such that the address bar goes away
5. Explain the study purpose to the user:
   1. First, explain to him/her the context of the app: suppose the app knows the energy usage of all of the devices at his/her home, the app wants to motivate the users to consume less energy
   2. What is measured is how the user interacts with the app
   3. Tell him/her what he needs to do (not play the game just do the tasks)
6. Explain all the screens to the user (do not forget the bubble button in analytics)
7. Explain the Tasks to the user
8. Explain the answer sheet and have the user read everything on it
9. Navigate to the dashboard and start the counter/timer (just reload browser page)
10. Participant performs the task with prototype A or B
11. Navigate to Settings and click on Delete Account and screenshot the values there
12. Participant fills out questionnaire #2 and answers verbal questions
13. Reload Settings page (just reload the browser page) to reset the timer/counter, click on Delete Account and choose Set B
14. As soon as the user is ready, tell him to navigate to the Dashboard and start
15. Participant performs task with Prototype B or A
16. Navigate to Settings and click on Delete Account and screenshot the values there
17. Participant fills out questionnaire #2 and answers verbal questions
18. Participant fills out questionnaire #3
19. Verbally ask participant about any comments
20. Debrief
21. Dismiss participant

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### Experiment procedure

#### Task A

1. A Locate the challenges section on the dashboard, locate and accept the **dishwasher challenge** (A), fill the reward into the sheet.
2. A Move on to the rankings, find your place on the **monthly family ranking** (A) and fill it into the sheet.
3. A Move on to the usage, find the electricity usage of your **Fridge** (A) over the last 24h and fill it into the sheet.
4. A Move on to the shop, find, buy and equip **Purple Dark** (A).

#### Task B

1. B Locate the challenges section on the dashboard, locate and accept the **phone challenge** (B), fill in the reward on the sheet.
2. B Move on to the rankings, find your place on the **annual country ranking** (B) and fill it into the sheet.
3. B Move on to the usage, find the electricity usage of your **AC and Heating** (B) over the last month and fill it into the sheet.
4. B Move on to the shop, find, buy and equip **Purple Light** (B)

# Answer Sheet

ID:

|  |  |
| --- | --- |
| Reward of dishwasher challenge (A) |  |
|  |  |
| Rank on monthly family ranking (A) |  |
|  |  |
| Electricity usage of fridge over last 24h (A) |  |
|  |  |
| Reward of phone challenge (B) |  |

|  |  |
| --- | --- |
| Rank on annual country ranking (B) |  |

|  |  |
| --- | --- |
| Electricity usage of AC/Heating over last month (B) |  |