HCI Winter Semester 2023 - 2024

PlanItFit

Phase 3 - Second Prototype and User Evaluation

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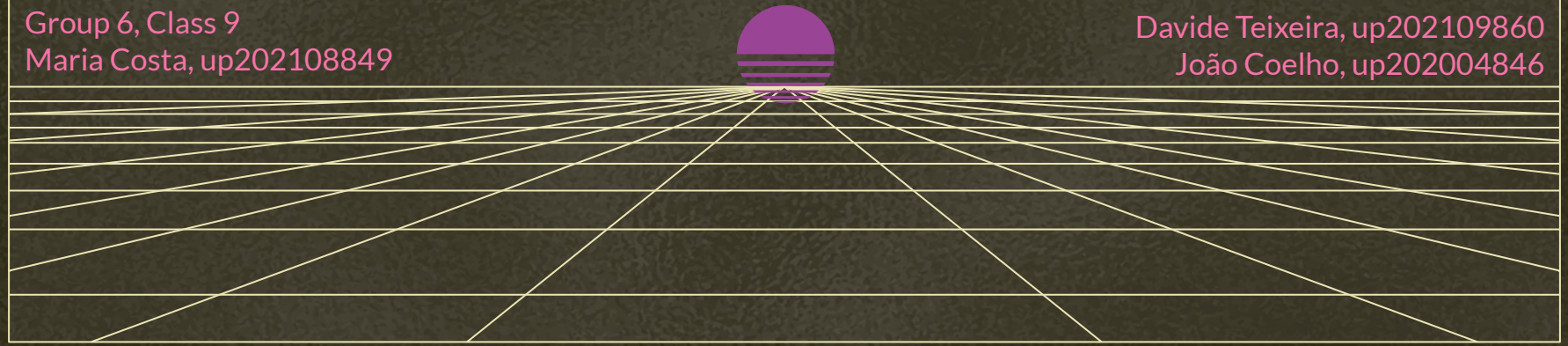


Project description

PlanItFit is a smart TV app that allows users to have personalized training sessions at home.

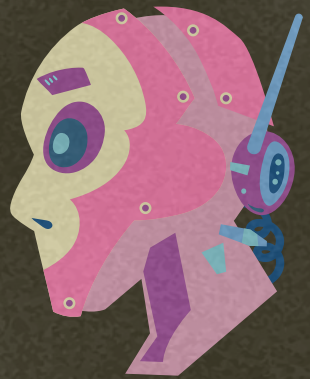
Features Include:

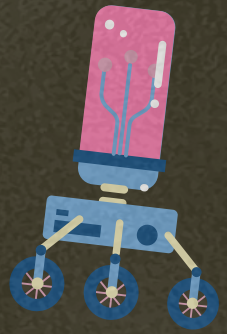
- Personalized Training: Users receive tailored training videos that adapt to their personal information, such as age, weight, and other important parameters, like available time per day or stress levels, ensuring exercises are customized to their specific needs.
- Effort Measurement: The app measures the user's effort levels, through infrared motion sensor technology, displaying stats like body temperature and BPM during workouts;
- Personalize Account: Users are able to insert personal information, like age and name, into their account.
- Customized Workout Preferences: Users have the ability to input their workout preferences, including the duration of their workouts, within their account.
- Workout Reports - Users receive personalized reports after each workout.
- Search and History features - Users have access to text search and video history.

Main takeaways

Part I

PaCT analysis allowed us to identify our target audience, young adults.

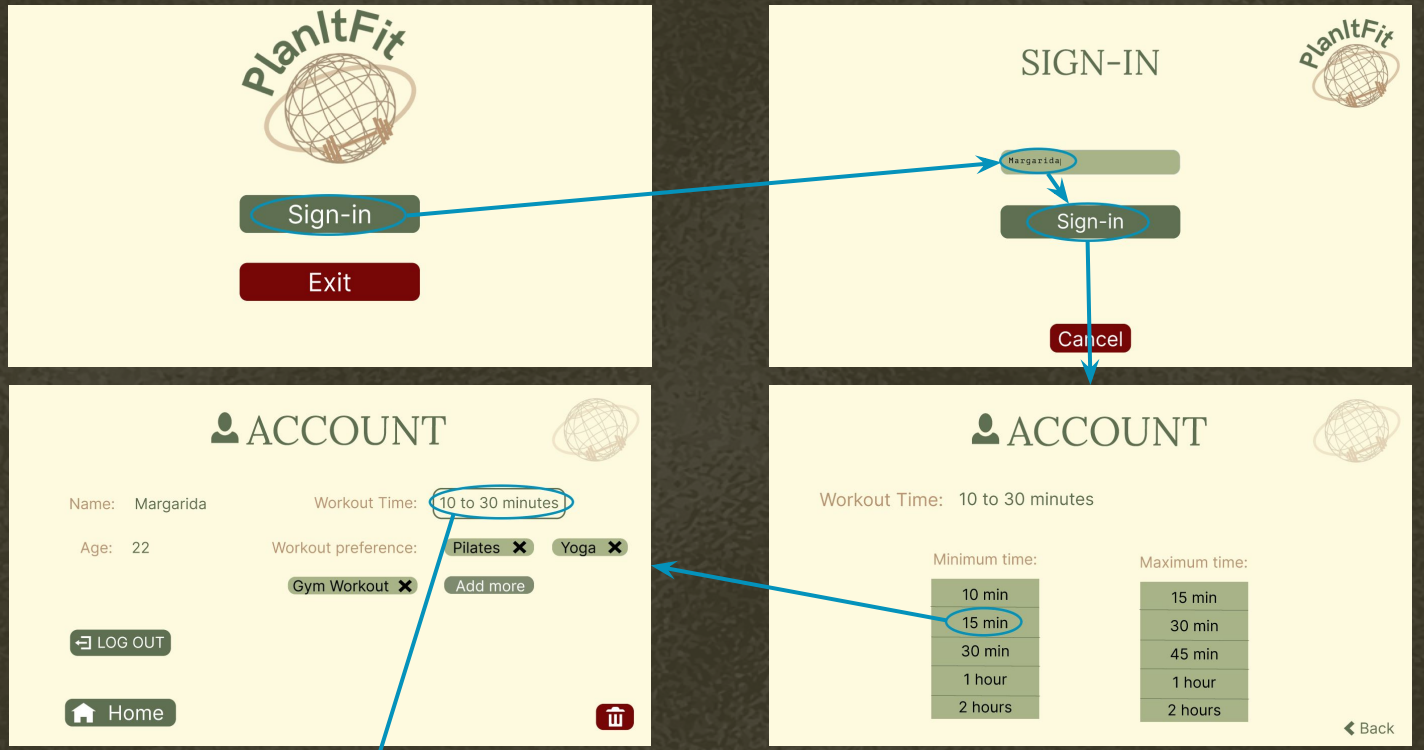




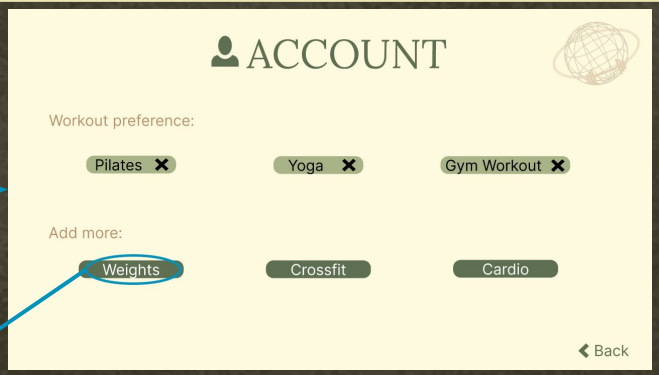
Part II

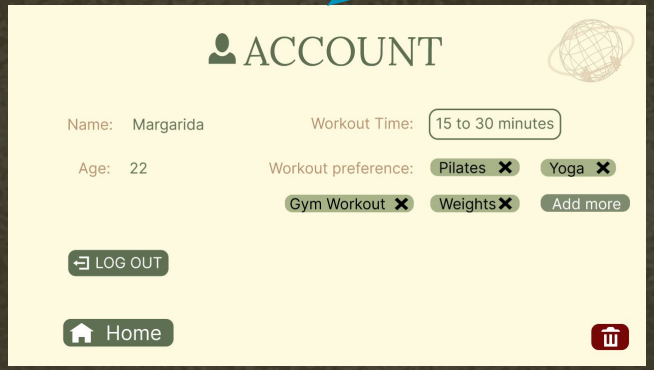
Heuristic Evaluation pointed out Design Flaws

Personalize Account



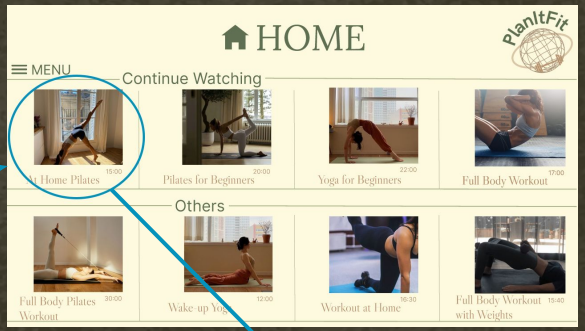
Personalize Account

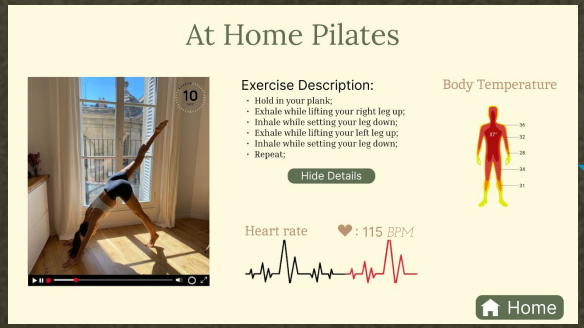


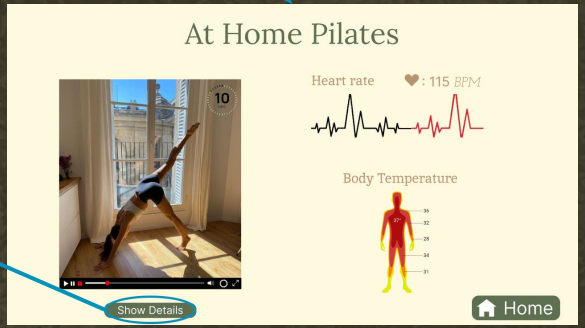


Part III - Wireflows

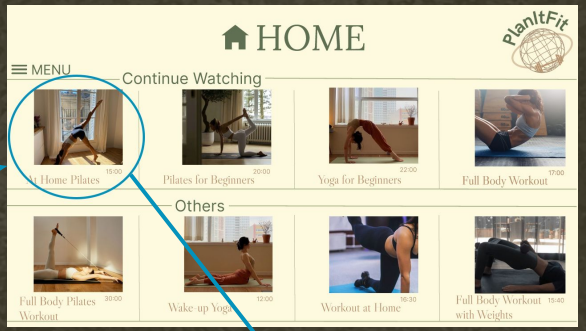
Adapted videos & Effort measurement

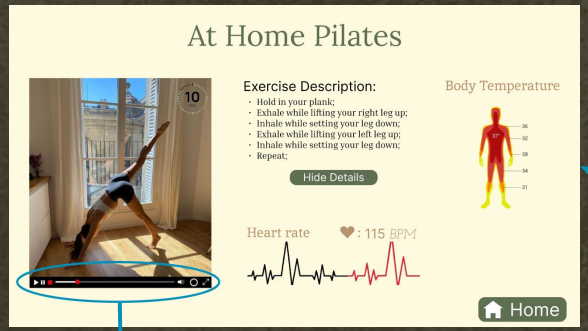


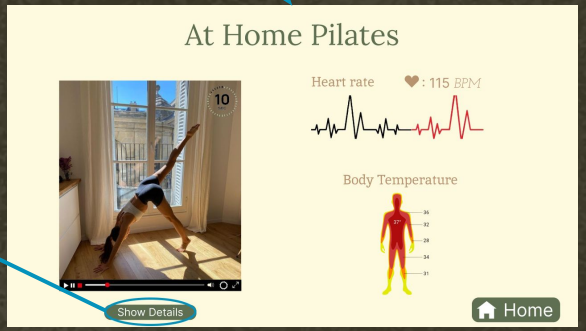




Receive Report







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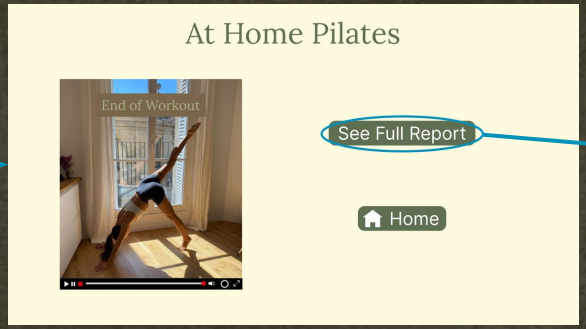

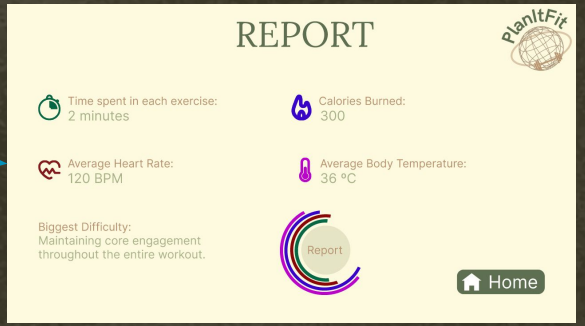

Sample characterization

Number of People

14

Occupation

Students - Overwhelming Majority

Age

Almost all in 18-25 range

Gender

Male - 78,6%
Female - 21,4%

Tech Skills

Very comfortable - Almost every user rated their ability to use technologies as a 5/5

User Evaluation Results - Task 1

Time Needed

Confidence Interval - 90% for interval [15.461 - 34.539]
In line with the expected value - 20s

Number of Clicks

Confidence Interval - 90% for interval [5.933 - 7.067]
In line with the expected value - 6

Number of Misclicks

Confidence Interval - 90% for interval [-0.668 - 1.668]
In line with the expected value - 1

Level of Ease

4/5 - 50%
5/5 - 50%

Enjoyment

4/5 - Mode

User Evaluation Results - Task 2

Time Needed

Confidence Interval - 90% for interval [15.721 – 22.279]
Below the expected value - 25s

Number of Clicks

Confidence Interval - 90% for interval [3.385 – 4.615]
In line with the expected value - 4

Number of Misclicks

Confidence Interval - 90% for interval [-0.952 – 0.952]
Below the expected value - 1

Level of Ease

5/5 - Mode

Enjoyment

5/5 - Mode

User Evaluation Results - Task 3

Time Needed

Confidence Interval - 90% for interval [12.977 - 20.023]
Inline with the expected value - 15s

Number of Clicks

Confidence Interval - 90% for interval [4.178 - 5.822]
In line with the expected value - 5

Number of Misclicks

Confidence Interval - 90% for interval [-0.156 - 1.156]
Inline with the expected value - 1

Level of Ease

5/5 - Mode

Enjoyment

4/5 - Mode

Other Highlights

- No user needed technical support to use the app.
- 75% of users consider that users that aren't familiar with technology would not need a higher-than-normal adaptation time to correctly use the app;
- According to users, on a scale of 1-5, the app's looks are a 4.1.
- Only 50% of the inquired users would use the app.