

Usability Testing

Group 5



Team Members -



Tzu-Hsu Yu



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(Clancy)**



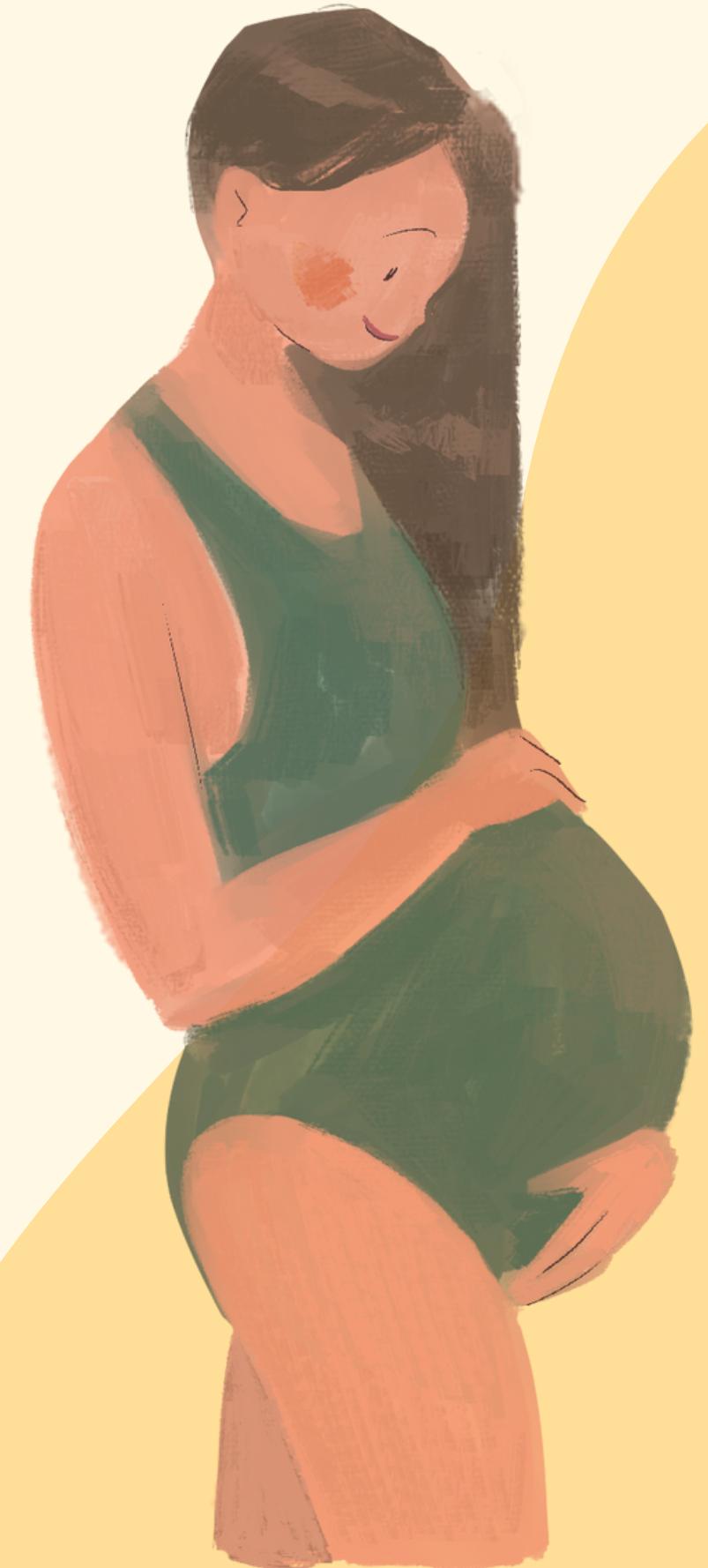
Evan Lin



Yan-Ru Ouyang

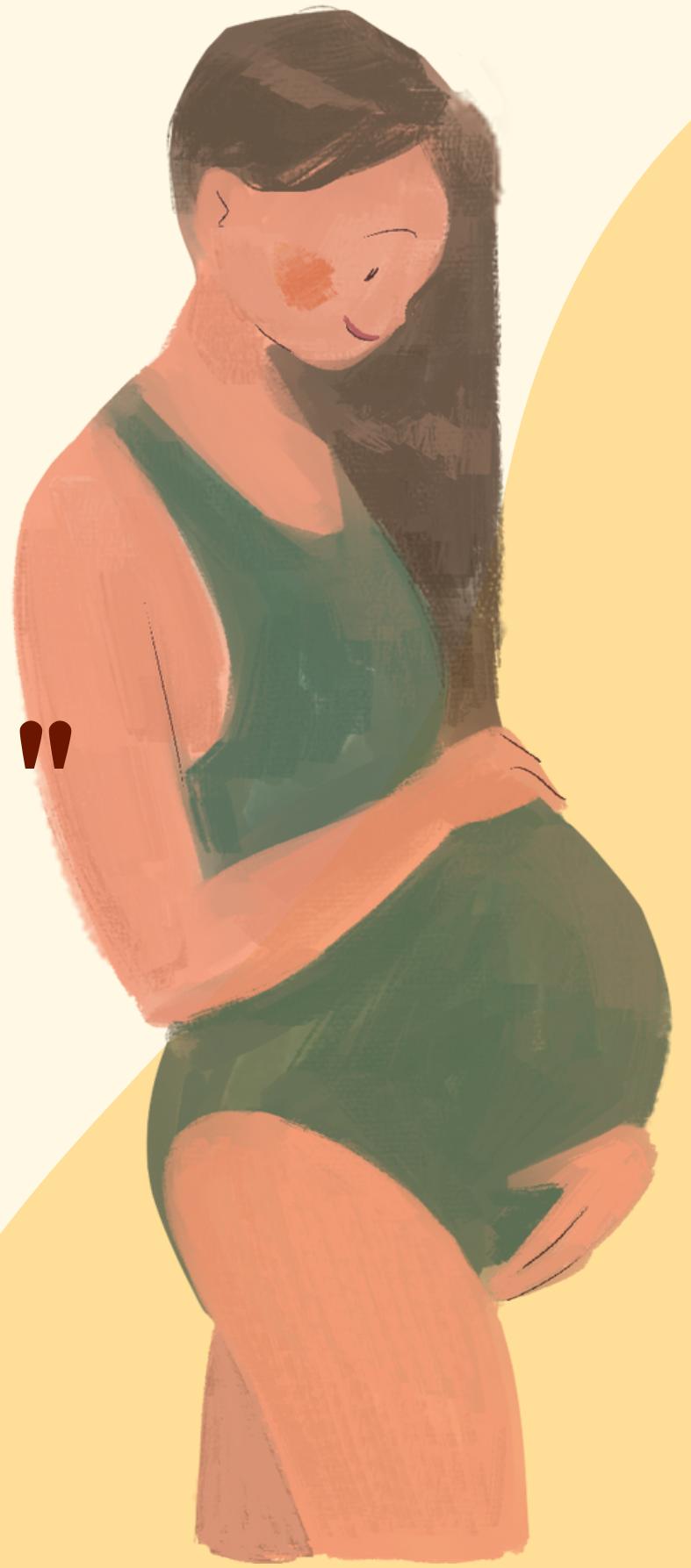
Problem Statement

Mothers spend much effort to acquire accurate information and hope to give birth in the best condition.



Value Proposition

"Relieve Pregnancy Anxiety."



Our Solutions -

Customized Checklist

A weekly checklist to help the users complete their pregnant-related mission and thus lessen their worries.

Body Data Tracking

A tracking system that will record the user's mental and physical data to optimize the recommendation content.

Knowledge Recommendation

A library with knowledge across all domains which by reference of the user's pregnancy progress and personal data.

Task #1 - Edit the checklist (press the heart button)



The image shows a mobile application interface for managing pregnancy checklists. It features a header with navigation arrows and a bell icon. Below the header are four sections: 'Week 1 of Pregnancy', 'Body Data', 'Tips to you', and a bottom navigation bar with icons for Home, Checklist, Library, and Body Data.

Week 1 of Pregnancy

- Start taking a prenatal vitamin t...** Heart
- Write down the date of your las...** Heart
- With your partner, create a fami...** Heart
- Quit smoking, and focus on hav...** Heart

Add a Checklist +

See All

Body Data

- Water** 0 ml
- Symptom**

Tips to you

See All

Bottom Navigation Bar:

- Home**
- Checklist**
- Library**
- Body Data**

The interface illustrates the process of adding a new task to the checklist. In the first stage, a task is selected for modification. In the second stage, the task has been checked off. In the third stage, a delete icon appears next to the checked task. In the final stage, a new task is added to the list.

Task #2 - Read an article

The image displays a mobile application interface for pregnancy management. The main screen shows a 'Week 1' checklist with tasks like 'Start taking a prenatal vitamin' and 'Write down the date of your last period'. Below the checklist is a 'Body Data' section with water intake and symptom monitoring. A 'Tips to you' section is also present. The 'Library' tab at the bottom is highlighted with a red box.

The 'Library' screen shows a search bar and categories for 'Getting Pregnant' (Planning for pregnancy, Trying to conceive), 'Your Cycle' (Health, Sex), and 'Health 360°'.

A detailed view of an article titled 'COVID and fertility: Can coronavirus or COVID vaccines affect your ...' is shown. The article is reviewed by EBCOG and includes a 'Preconception planning' section. A red box highlights the article title and a thumbnail image.

A large red circular badge with the word 'Medium' is positioned on the right side of the image.

Task #3 - Add a body data



The image shows a sequence of five screenshots from a mobile application interface, illustrating the process of adding a body data entry.

Screenshot 1: The home screen displays a checklist for "Week 1 of Pregnancy" and a "Body Data" section. The "Body Data" section shows a total water intake of 4985 ml. A red box highlights the "Body Data" tab at the bottom.

Screenshot 2: The "Water" tab is selected in the "Body Data" section. It shows a graph titled "Water Average this week" with data points for Oct 10, Oct 24, and Oct 25. A red box highlights the "Water" input field, which is currently set to 500 ml.

Screenshot 3: The "Water" input field is highlighted with a red box. The date is set to October 24, 2022. Below the graph, there are sections for "Weight", "Sleep", and "Water".

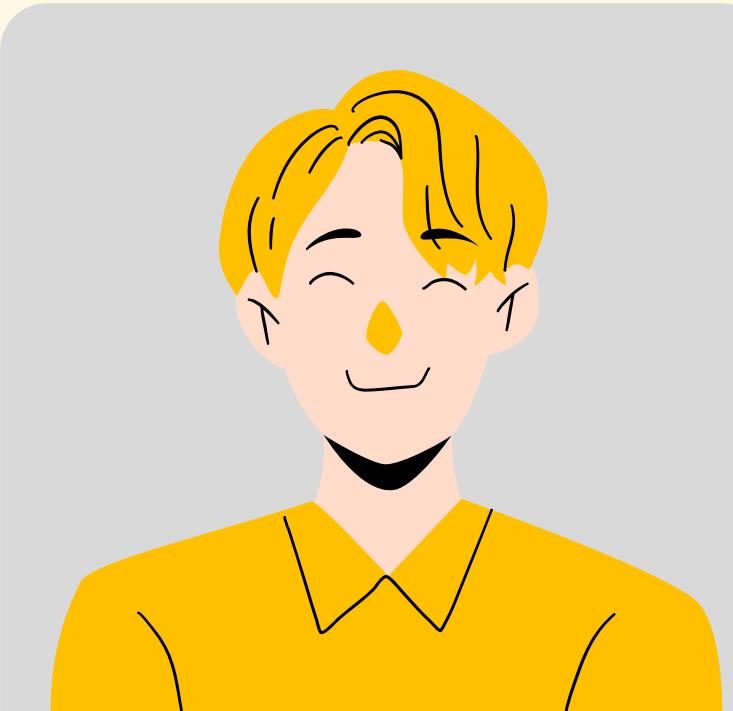
Screenshot 4: The "Water" input field is highlighted with a red box. The date is set to November 24, 2022. The "Water" value is now 500 ml. A red box highlights the "UPDATE YOUR DAY" button at the bottom.

Screenshot 5: The "Water" input field is highlighted with a red box. The date is set to November 24, 2022. The "Water" value has increased to 5485 ml. A red box highlights the "See All" link in the "Body Data" section.

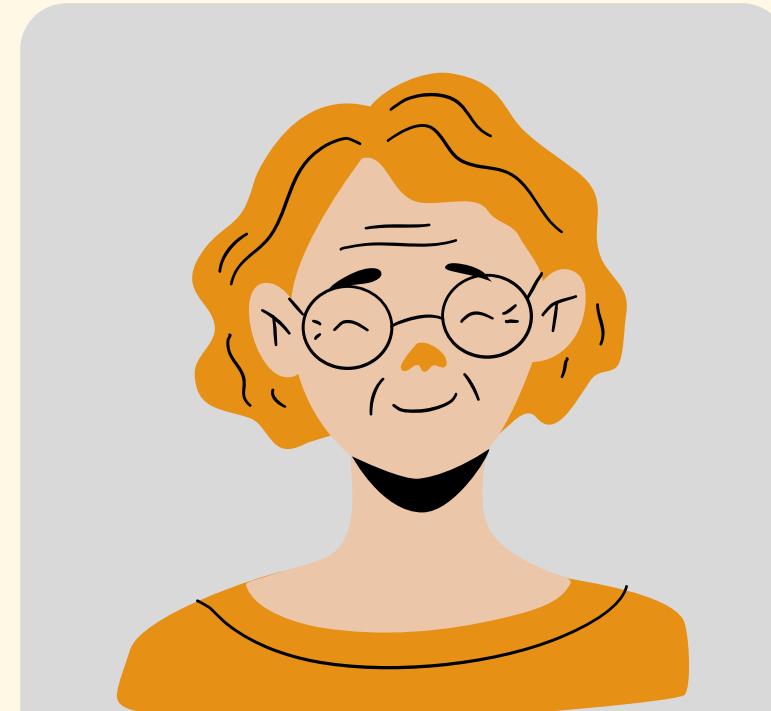
Participants Overview



Participant 1,
Mother of two

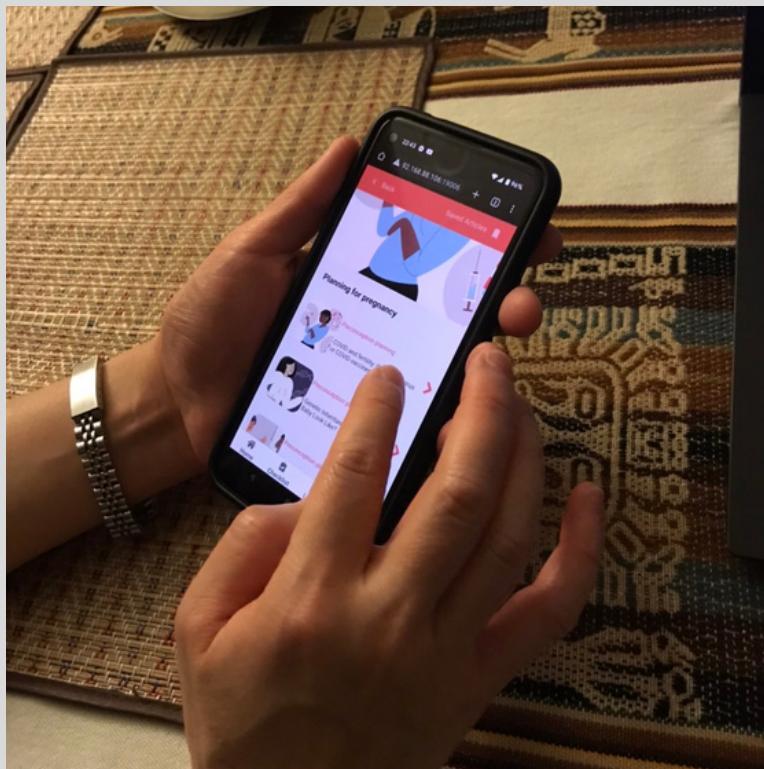


Participant 2,
A participant of
pregnant related
project



Participant 3,
Mother of two

Experimental Method - Set Up



- A brief explanation of the concept
- Use hi-fi prototype
- Complete 3 tasks
- Take notes of positive and negative critical events
- Record task completion time
- Ask about qualitative feedback
- Rate on each task (How much do you like it?)

Critical Incidents - Negative (Task #1)

- (4) Can't see the whole sentence on both main page and "see all" section
- (4) Back icon on the checklist page makes the app stuck and needs a reload
- (4) The "add a checklist" is not a function
- (4) The swipeable component still exists after deleting them on the main page.

How to Solve?

1. Fix the "see all" section and add accurate content on it
2. Fix the back icon function
3. Complete the "add a checklist" function
4. Fix the function of the delete button

Critical Incidents - Negative (Task #1)

- (3) The delete button doesn't seem like a garbage can which is not intuitive enough.
- (3) Using the heart button as the "pin" function is hard to understand, and maybe using the "pulling" is more suitable.
- (3) It is easy to misunderstand the heart button as an "add to my favorite" function.

How to Solve?

1. Change the icon style of the delete function
2. Replace the heart button as a pin for the "pin" function
3. Cancel the heart button

Critical Incidents - Negative (Task #2)

- (4) Clicking on an empty article makes the app crash
- (3) Search not implemented yet
- (3) Archive not implemented yet
- (3) It is easy to misunderstand the title of passages as the body of content.

How to Solve?

1. Fix the back-end problem
2. Implement the search function
3. Implement the archive function
4. Fix the UI components design in the front-end part

Critical Incidents - Negative (Task #3)

- (4) People don't want to press the "update your day"
- (4) The "update your day" doesn't have a confirm function
- (4) Entering symptom data does not make the button change, no visual feedback
- (4) The date of the displayed data and the default date of adding data (today) are not the same

How to Solve?

1. We will take into consideration and re-think the flow
2. Automatically jump a reminder after updating the day
3. Fix the adding symptom function
4. Make the data displayed date the same as the default date

Critical Incidents - Negative (Task #3)

- (3) The water data cannot add in the water section, and the plus button is passive for the user to press.
- (3) People don't know if the icon means adding syndrome records.
- (2) The overview page looks like the water page.

How to Solve?

1. Re-think the body data flow and consider an automatic jumping section.
2. Add an instruction for the first-time user, and add descriptions for syndromes
3. Change the image of the overview page

Positive Feedback

Task #1

- Swipe to delete is intuitional.

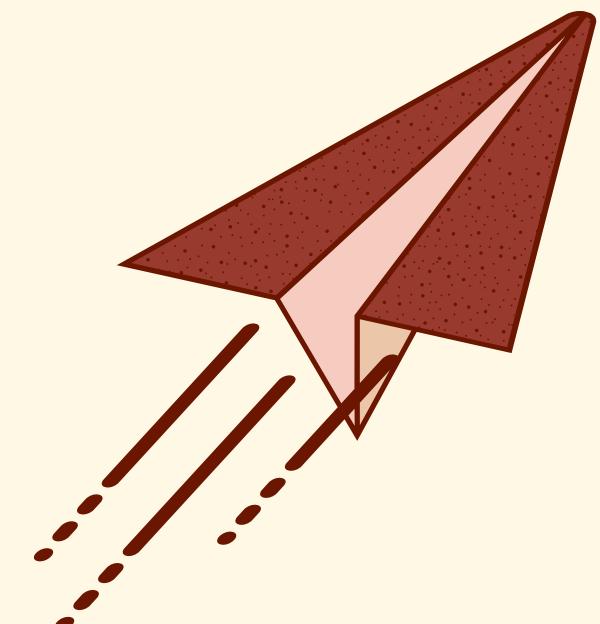
Task #2

- Having the function “save article” is good.



Summary

- The checklist function is the most liked feature in our app.
- We must re-think the library feature if we implement it in the future since article content alters quickly and needs a lot of effort to maintain.
- Besides the functional problem, we must re-consider and filters what data needs to record to avoid user fatigue.



**Thank you
for listening.**

