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A4

Visibility of System Status
- ■ The order of the user page is not convenient. The user see home page first and then see the "create new account" page. (2)
- ➔ The app may change the order of the page, user first see "new user – create an account" page for the first time. And for old users, they see "start" page. Also, add one more button "change account" in the start page to increase user flexibility.

- ■ There's already lots of "next" buttons for user to jump to the next page, but miss "back" buttons to jump back to the previous page. (2)
- ➔ Add "back" button to every page that we think is necessary after whole evaluation.

- ■ Miss "create a new account page" for new users. (3)
- ➔ Add "create a new account page" like the one in prototype 1.

- ■ Miss "next" and "back" buttons for lots of pages and also "homepage" button for navigation. (2)
- ➔ Go through the whole prototype and add "next", "back", "homepage" button if necessary.

The two prototype has the same problem, missing navigation buttons (homepage, next, back) to convenient the user.

Match Between system and Real Word
- ■ For the part when user is browsing the recipe he just selected, after scroll to the bottom, the "next" button is not clear for him. He does not know what's gonna show up if he clicks "next". The page that is going to show up is the detailed steps for cooking. (2)

- ➔ It could be better if we take care about the wording stuff. Maybe change the "next" in this specific page to "see steps".

- ■ For the "start your meal plan page", it's confusing for the user. The one-day plan, weekly-plan selections and input dates seems hard to understand what happened. Although our app simply intends to let user choose whether they want to plan for a day, or for the whole week. But this seems very confusing for users and they don't understand our purpose. (3)

- ➔ Maybe delete this page and change the function. If user clicks "start" they will first start to plan for a day, if they want to plan more, they can always add more days depend on their need after they finish the first day plan.

- This prototype does not have this problem since it has much less functions and less steps to go through.

Only prototype one has such problem, and I found that the more complicated the app function is, the easier to have mismatch real word problem. This might because people cannot handle and consider deep enough if they feel overwhelming.

User Control and Freedom
- Miss the navigation toward "home page". User may want to switch to homepage for any possible reasons at every page, so homepage is very necessary. (2)
➔ Add homepage button to every page that we think is necessary after whole evaluation.

- For the content of homepage, the user find it confusing for the section "planned meals". He suggests to use "My meals" instead. Cause for new users they haven't planned yet, and for old users they may want to check in to see their meals and add more later on (not just beforehead. (2)
➔ Maybe change "planned meals" to "my meals" and change some of the functions in this app.

- The user feels that it's troublesome if he wants to both put text and photos to record his feeling of eating because base on our design he has to return back to homepage to select text after he does the photo part. (3)
➔ Maybe for photo part and text part, add one more options under the page. For example, add one more button "add text" to click in photo page.

- The user shows interest in using the "calendar" function to track his meals, but this function is only available in one "my food diary" page, which is not convenient for the users. It's better to add it to the homepage. (2)
➔ Maybe add the calendar function to homepage.

Comparing to the two prototypes, if users could have better interface accessibility, like switch between pages stuff and combine some functions together into one page, they will get more user control and freedom.

Consistency and standards
- From the "new user" page, after type in the name and password, the "confirm" does the same thing as "swipe to next" button and this makes some confusion for users. (3)

➔ The app should delete the "swipe to the next" button and just jump to the next page after user clicks "confirm". Or, the app could add a "hook" symbol after user click "confirm" to show the account is confirmed and allow user to the next page by swipe to the next.

- Sometimes the homepage appears at the right top, but sometimes appears at the left top, which gives a lot of trouble. (2)
➔ Maybe reset homepage buttons, make them all to the right top.

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Both prototypes have problem with navigation button settings which shows that this is an important thing to notice. To convenient users, it's better to keep consistency through the app, and don't let the user try to find where the button is.

Error Prevention
- This prototype didn't find any errors, for most of the fill in parts the user has the choice to click "skip" button to prevent error. Also, it saves all the changes by "confirm" button.

- This prototype will show error if user does not rate mood, taste and health level. And that's extremely important because the statistics report completely depends on this. (3)
➔ Add "confirm" button for this self-rating page.

It seems that prototype one does not have such error possibilities but prototype two does because they analyze data base on different contents.

Both prototypes do not consider about the error prevention at all. So, we will definitely add this later on in prototype.

Recognition rather than recall

- For the recipe recommendation part, instead of using the recommended recipes from our app, the user could also search the specific recipe they want. But the title "Explore" is confusing for the user. He suggests using "search" could be better. (2)

➔ The app could change "Explore" to "Search".

- It's hard for user to operate with dates for the statistics report page. User has confusion about how to select the date or view weekly/month report. The exist buttons make no sense for user. (3)

➔ Make some default settings. For example, if user does not edit anything, show user the current or most recent weekly report. And add buttons to scroll up or down the week and change the month.

Both prototypes have ambiguities for users and it's very important to modify them since these ambiguities do affect other steps.

Flexibility and efficiency of use

- The evaluator reflects that there a lot of functions in this prototype. And he feels like overwhelming. Some parts are not necessary at all. For example, the market shopping list stuff is not necessary since user already see a list of ingredients in the recipe page. And the function for food delivery is also not necessary.
➔ Maybe delete the food delivery function and market shopping list page.

- The evaluator reflects that the "voice function" is not really needed since he personally will never use that. It's wired to hear our own voice. And "voice" function doesn't help with food recording stuff. (1)
➔ I also felt this problem before we start this prototype, but we just want to add one more option for users. We will consider about this later.

Both prototypes have functions that are not needed or arrange in too complicated layout. The first prototype seems too much overwhelming and the second one could more stuffs together. So it's better to delete parts of functions for prototype one and merge functions (text and photo stuff) into one page.

Aesthetic and Minimalist Design

No violations found in both prototypes

Help user recognize, diagnose, and recover from errors

- Miss error message if user does not finish self-rate of mood, taste and health. (3)
➔ Add error message for this page. For example, pops out "Hey, please finish self-rating before next step" if the user does not finish rating but clicks "next" button.

Both prototypes do not consider about the error prevention at all. So, we will definitely add this later on in prototype. It seems that prototype one does not have such error possibilities because prototype two does because they analyze data base on different contents.

Help and documentation

- This prototype does not need extra help and documentation since the pictures and button setting is already pretty clear.

- Miss the instruction for first time user when he use the calendar function. Use does not know why some dates are marked red or yellow or green. (2)

➔ Add instruction message for calendar function if app detects the user is new user. And also insert a "?" button at the top to always let user check instructions for help.

Compare these two, the first prototype seems more completed and organized and the second one needs more instructions stuff since the surface looks much more simple.

List of changes to prototype is provided.

1. Add "create account page" and log in page. (visibility of system status)
2. Edit the home page to have three sections: Create new entry, view diary, show statistics and settings. (Efficiency of use)
3. Add "homepage", "next" and "back" buttons. Make all the "homepage" button on the right top and all the "back" button to the left top. (user control and freedom)
4. Add function "view photos" when taking a photo. (user control and freedom)
5. Re-design the meal log page, put texts, photos and self-ratings all together in one page to make it more simple for users. (for efficiency and user control)
6. Delete the "voice recording" function. (for efficiency).
7. Add message pop up when user leave the page that they log in stuffs. "Would you like to save your changes? Click "save", "don't save" or "stay here". (Help user diagnose and recover from errors)
8. Change the logical design for view dairy page: click "view diary" first ask you if you want to see most recent dairy, or use calendar to find a specific day. (match between system and real world)
9. Modify the date section in Statistics page: the default is view current week and you can choose specific week or month through buttons. (Recognition rather than recall)

10. Add instructions for new users for calendar function. (Help and documentation)
11. Add message "Hi, please fill in self-rating parts before next step" if self-rating part is not finished. (Error prevention & Help and documentation).

Other group's Heuristic Evaluation:

	PROTOTYPE 1	PROTOTYPE 2
EXAMPLE ISSUE #	Although the prototype has an intial survey that gauges what type of food the user likes, the questions ARE TOO CONFUSING	
RATING	2) Minor	
ISSUE #1 match between system and real world	for the first page, I don't know what's the difference between I click "start" and "new user"	Since you don't have filter for dislike food or favoriate food, it's better to at least put on the allergic food.
RATING	2	2
ISSUE #2 User control and freedom	User flexibility: what goes on if I don't want to fill some parts of questions? I wish I could skip some of them.	what if I dislike one of the ingredient in your reciepe, can I have a way to replace it? Is there any suggested substitues?
RATING	2	2
ISSUE #3 User control and freedom	I hope I could return back to the home page at every steps in the app.	Same as prototype1, I think maybe add more buttoms for navigation to the homepage and "next", "back" stuff is better.
RATING	3	3
ISSUE #4 Match between system and world	for question tha asks me to rate my skill level, I kind of have no idea. I wish if you could list some examples, for example: level 1 = the only food I can make is instant noodles/ level 2 = I only know stuffs like how to boil an egg... etc.	

RATING	2	
ISSUE #5 Match between system and world	For question ten, I think it depends, so I kind of don't know how to answer it. It depends on how busy and how tired I am actually.	for new users that don't continue cooking, do I click "start"? Can I browse my history reciepes or see reciepes I cooked in some place?
RATING	2	1
ISSUE #6 Recognition rather than recall	for question11: I don't know what is "meal prep"? And what's gonna happen if I click "yes"	
RATING	2	
ISSUE #7 Recognition rather than recall	I don't know how does "Tutorial" and "Cook" work	
RATING	3	
ISSUE #8 Flexibility and efficiency of use	how can I switch between reading the instructions for using a knife to the surface about recipes? And how can I directly find the recipe that I just selected? Is there something like a favorite folder?	
RATING	3	
ISSUE #8 Visibility of system status		Maybe users need an account to do the data recording stuff?
RATING		2

Video link:
https://drive.google.com/file/d/1vePRO2JfK4oWzps8s8hpx4k0F1sGY0xr/view