User Experience - Usability Testing

Munchora is an AI recipe generator with shared grocery list management. This is how a usability test would be documented.

Preparation

Measures

The usability test will measure the performance by the following:

- o Time to perform each task in seconds
- o Number of errors found per task
- o Number of clicks to achieve each task
- o Verbalized Confusion Points – mark every time it happens
   (If user is thinking aloud: "Wait what?" "Where is…?" "Huh?" "I don't get this.")
- o Inactive time per task in seconds

Preference measures

The user must rate the following from 1 to 10, 1 being very bad and 10 very good except if another approach is indicated.

- o Attractiveness of the colors
- o Attractiveness of the typography
- o Does the application solve any known needs
- o Usage of the application
- o Success of the finalized task (rated as yes/no)

Script

Scenario 1. Onboarding / Signup for Munchora

You have just heard about Munchora and wants to check it out to start generating recipes and mange grocery shopping.

Task:

a. Signup for Munchora

Success criteria:

- o User signups either by manual email & password or Google SSO.
- o Gets navigated to home page.
- o No confusion about what to do next.

Scenario 2. Recipe Searching and Filtering

You gained access to Munchora and needs to find a recipe to cook for dinner.

Task:

a. Find a dinner recipe you realistically would cook tonight.

Success criteria:

- o Finds search bar and searches for recipes.
- o Uses the filtering either for tags or cuisines.
- o They navigate to a given recipe they want to cook.

Scenario 3. AI Recipe Generator

You could not find any interesting recipe, so you want to create your own using AI.

Task:

a. Navigate to the AI generator.
b. Insert your instructions for the dish you want to cook.
c. Read through the generated recipe and if needed adjust it further.

Success criteria:

- o Finds the AI generator.
- o Sets the instruction for AI and generates a recipe.
- o Can access and read through the generated recipe.
- o If needed further update the generated recipe with AI.

Scenario 4. Grocery List

You have found a recipe that you want to cook as dinner, now you need to shop the needed ingredients and maybe you need such as cereals for tomorrow morning a just a little late-night snack.

Task:

    a. Navigate to the grocery lists page.

    b. Create a new grocery list.

    c. Go to the chosen dinner recipe.

    d. Add needed ingredients from the recipe view.

    e. Go back to the grocery lists page and check if you need anything else.

Success criteria:

    o Finds the grocery lists page.

    o Manage to create a new grocery list.

    o Can find the chosen dinner recipe again.

    o Adds ingredients from recipe page to the newly created grocery list.

    o Navigates back to grocery lists view.

    o Further updates or edits the grocery list.

Analysis

The usability test should have four users participating.

Performance measures

Measure	User 1	User 2	User 3	User 4	Average	Total
Scenario 1 - Signup for Munchora						
Task a – Signup for Munchora						
Time per task (s)						
No. errors						

No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Scenario 2 - Recipe Searching and Filtering						
Task a - Find a dinner recipe for tonight						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Scenario 3 - AI Recipe Generator						
Task a - Navigate to the AI generator						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Task b - Insert your instructions for the dish you want to cook						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						

Task c - Read through the generated recipe and if needed adjust it further						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Scenario 4 – Grocery Lists						
Task a - Navigate to the grocery lists page						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Task b - Create a new grocery list						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Task c - Go to the chosen dinner recipe						
Time per task (s)						
No. errors						
No. clicks						

Inactive time (s)						
No. Verbalized Confusion						
Task d - Add needed ingredients from the recipe view						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						
Task e - Go back to the grocery lists page and check if you need anything else						
Time per task (s)						
No. errors						
No. clicks						
Inactive time (s)						
No. Verbalized Confusion						

Preference measures

Measure	User 1	User 2	User 3	User 4	Average	Rate
Colors (1-10)						
Typography (1-10)						
Solving needs (1-10)						
Usage (1-10)						
Succes (yes/no)						
S1 Ta						
S2 Ta						

S3 Ta						
S3 Tb						
S3 Tc						
S4 Ta						
S4 Tb						
S4 Tc						
S4 Td						
S4 Te						

Conduct the found issues and collect relevant feedback for further improvements.