

Usability Test Script

Application: SmartRecipe

Objective: Evaluate the usability of the recipe application, focusing on login, ingredient input, recipe selection, and AI chat assistance.

Measures

- 1. Preference Measures:
 - User Satisfaction
 - Aesthetic Appeal
 - Perceived Ease of Use
- 2. Performance Measures:
 - Task Completion Time
 - Error Rate
 - Task Success Rate

Scenarios and Tasks

- 1. Login Task:
 - Scenario: Log into the application using [admin@admin.com](#) and admin123.
 - Objective: Assess ease of login and identify potential issues.
- 2. Ingredient Input Task:
 - Scenario: Input 'chicken, tomatoes' as ingredients and 'gluten-free' as a dietary restriction.
 - Objective: Evaluate usability of input process.
- 3. Recipe Selection Task:
 - Scenario: Review and select one of the three AI-generated recipes.
 - Objective: Test clarity and usability of selection interface.
- 4. Chat with AI Task:
 - Scenario: Proceed to the chat page and ask AI for help with a specific recipe step.
 - Objective: Assess usability of chat interface and AI assistance.

Having convinced 4 unwilling test users, all with different backgrounds and age, to test our application based on 4 set scenarios, they performed with mostly the same amount of time and clicks per scenario/task, and that concludes that the test is pretty workable for all kinds of users. - as shown in our performance measure table:

Performance Measure Table

Scenario 1: login	User 1	User 2	User 3	User 4	Average total
Time per task	10	12	11	9	10.5
no. errors	0	0	1	0	0.25
no. clicks	3	3	4	3	3.25

Scenario 2: Ingredient Input					
Time per task	25	30	28	27	27.5
no. errors:	1	0	1	0	0.5
No. clicks	5	6	5	5	5.25
Scenario 3: Recipe Selection					
Time per task	20	18	22	19	19.75
No. errors	0	0	0	0	0
No. clicks	4	3	4	3	3.5
Scenario 4: Chat with AI					
Time per task	5	40	38	37	37.5
No. errors	1	2	0	0	1
No. clicks	3	4	6	7	5

Preference measures

rated by the user in a scale from 1 to 7, 1 being very bad and 7 very good

- Perceived attractiveness of the colours
- Perceived attractiveness of the typography
- To what extent does the application fulfill the user's needs
- Ease of use
- Perceived efficiency (i.e., whether the application is fast)
- Whether each task was finalised successfully (rated as yes/no)

Measure	User 1	User 2	User 3	User 4	Average
Colours	3	2	5	7	4
Typography	7	6	6	7	6.5
User Needs	7	6	5	5	6
Ease of use	7	8	7	8	7.5
Efficiency	4	7	3	1	3
Success					15/16
S1	Y	Y	Y	Y	4/4
S2	Y	Y	Y	Y	4/4
S3	Y	Y	Y	Y	4/4

S4	Y	Y	Y	N	3/4
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Issues Found

- i. Users found the login process straightforward, and suggested adding a "Remember Me" option.
- ii. Some users experienced difficulty with two “add recipe” input fields.
- iii. The AI chat interface was not immediately intuitive for all users.(especially user 4..)

Relevant Feedback

- i. Users appreciated the clear and attractive design of the recipe selection page.
- ii. Suggestions were made to improve the visibility of the chat feature. (looking at you user 4.)
- iii. Users expressed a desire for more detailed instructions on using the AI chat.(..)