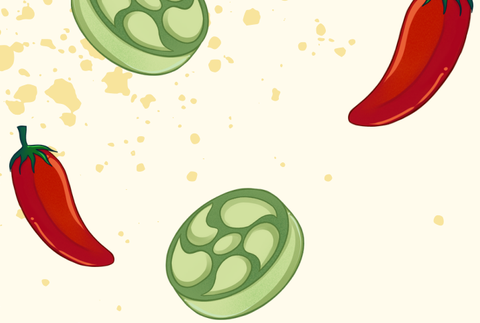
The Foodies

by Anouk de Brouwer
and Lisa Levasseur

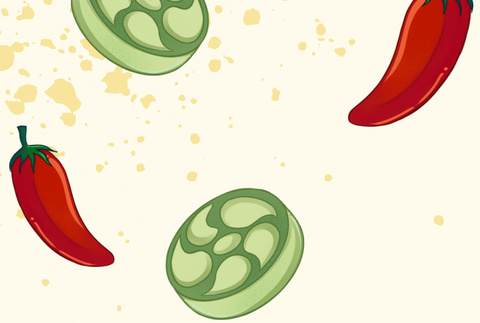


Project Recap

Dataset

Kaggle → Food.com

200 000 recipes



Project Recap

Graph Structure

Nodes

Recipes

Edges

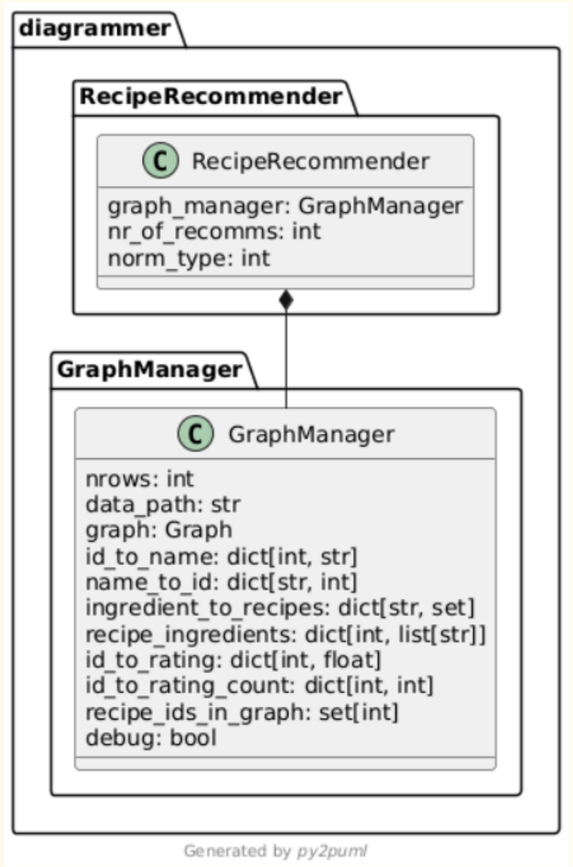
Recipes sharing same ingredients

Weights

of shared ingredients

Project Recap

First Interactive Scipt



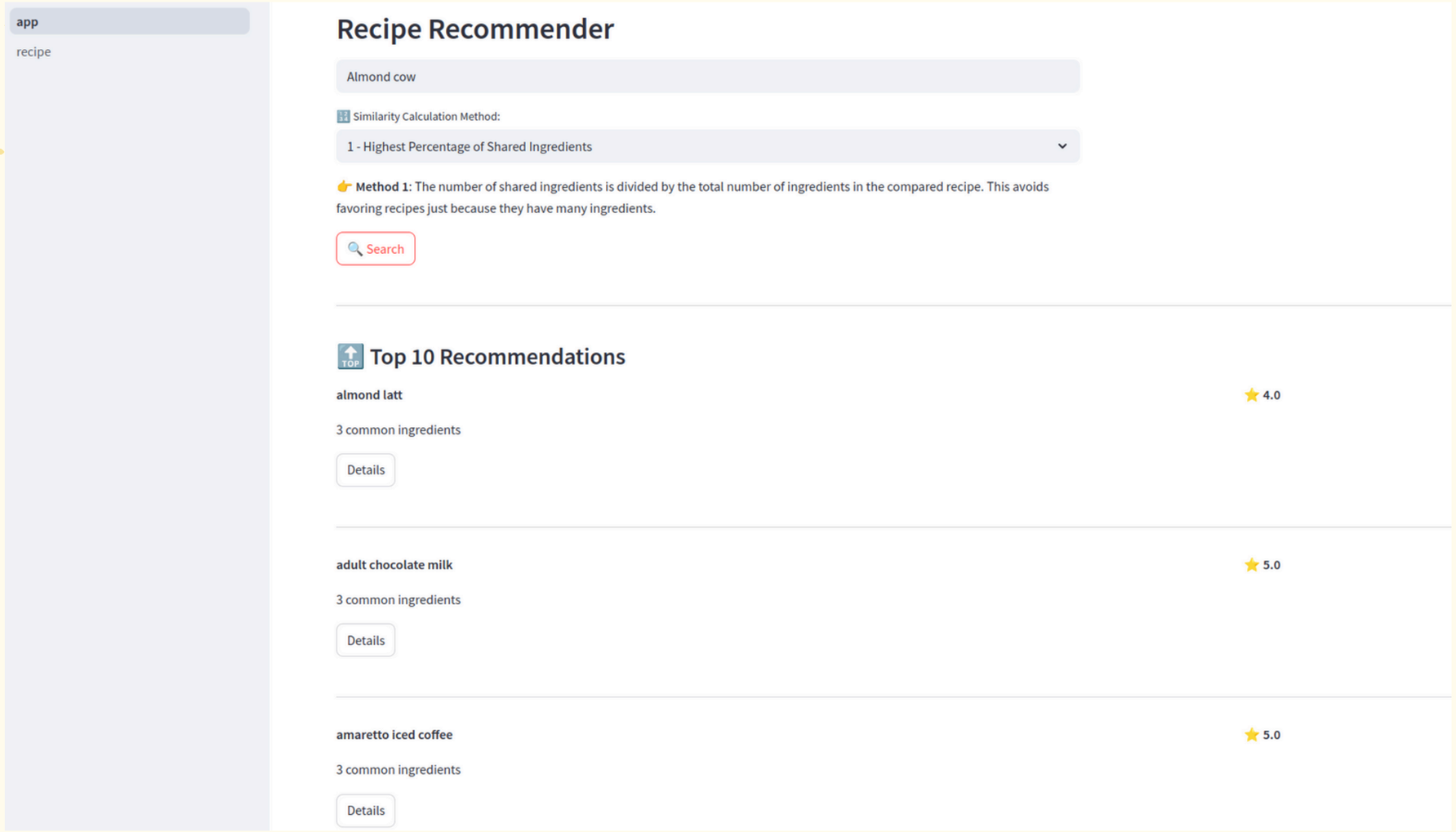
0. $shared\ ingredients$

1. $$\frac{shared\ ingredients}{all\ ingredients}$$

2. $$\frac{shared\ ingredients}{all\ ingredients} + \frac{rating}{5}$$

Final UI interface

Home page



Final UI interface

Recipe page

app

recipe

📄 almond latt

⭐ Rating : 4.00 / 5

⏱️ Cooking time: 5 minutes

🧂 Ingredients

- amaretto
- kahlua
- cream
- milk

📖 Instructions

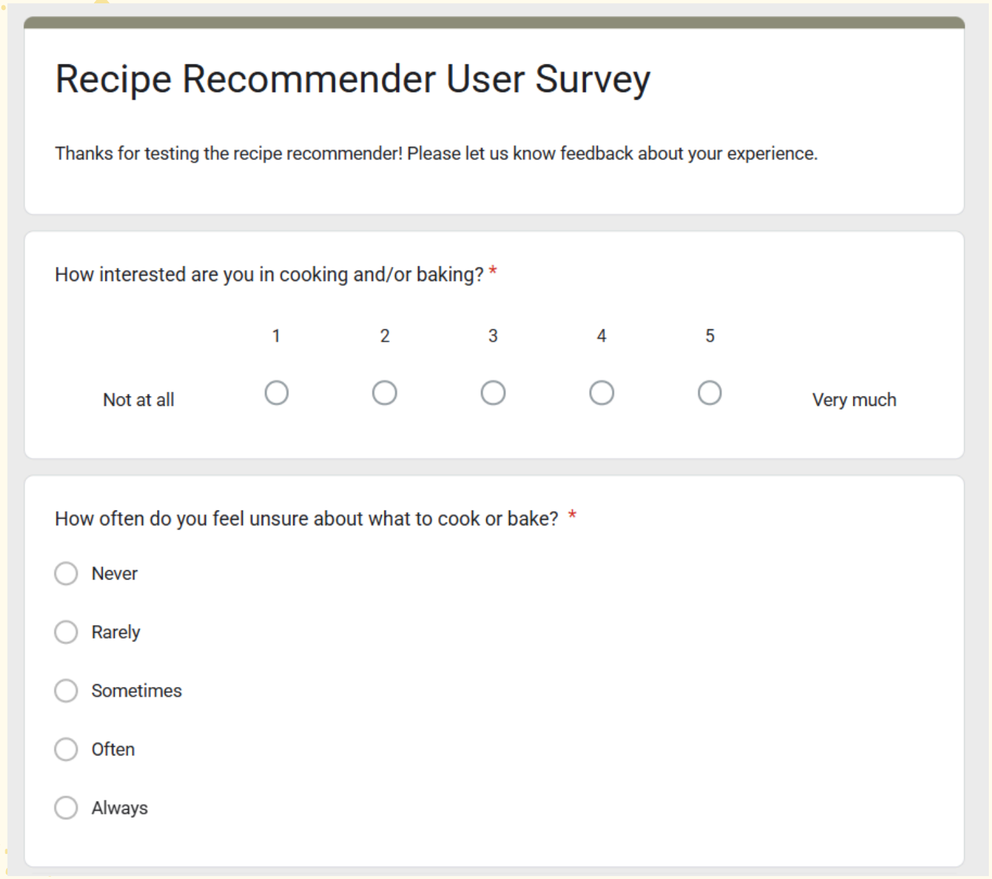
Step 1: shake with cubed ice and strain

💬 Review

a yummy and super easy cream drink!

Evaluation

Form Creation



Recipe Recommender User Survey

Thanks for testing the recipe recommender! Please let us know feedback about your experience.

How interested are you in cooking and/or baking? *

	1	2	3	4	5	
Not at all	○	○	○	○	○	Very much

How often do you feel unsure about what to cook or bake? *

- ○ Never
- ○ Rarely
- ○ Sometimes
- ○ Often
- ○ Always

- user-centered evaluation
- non-expert audience
- 12-question survey

Evaluation

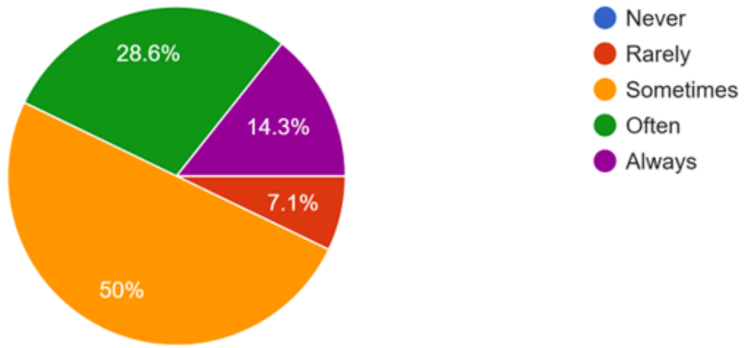
Results - Relevant Demographics

Evaluation

Results - Purpose

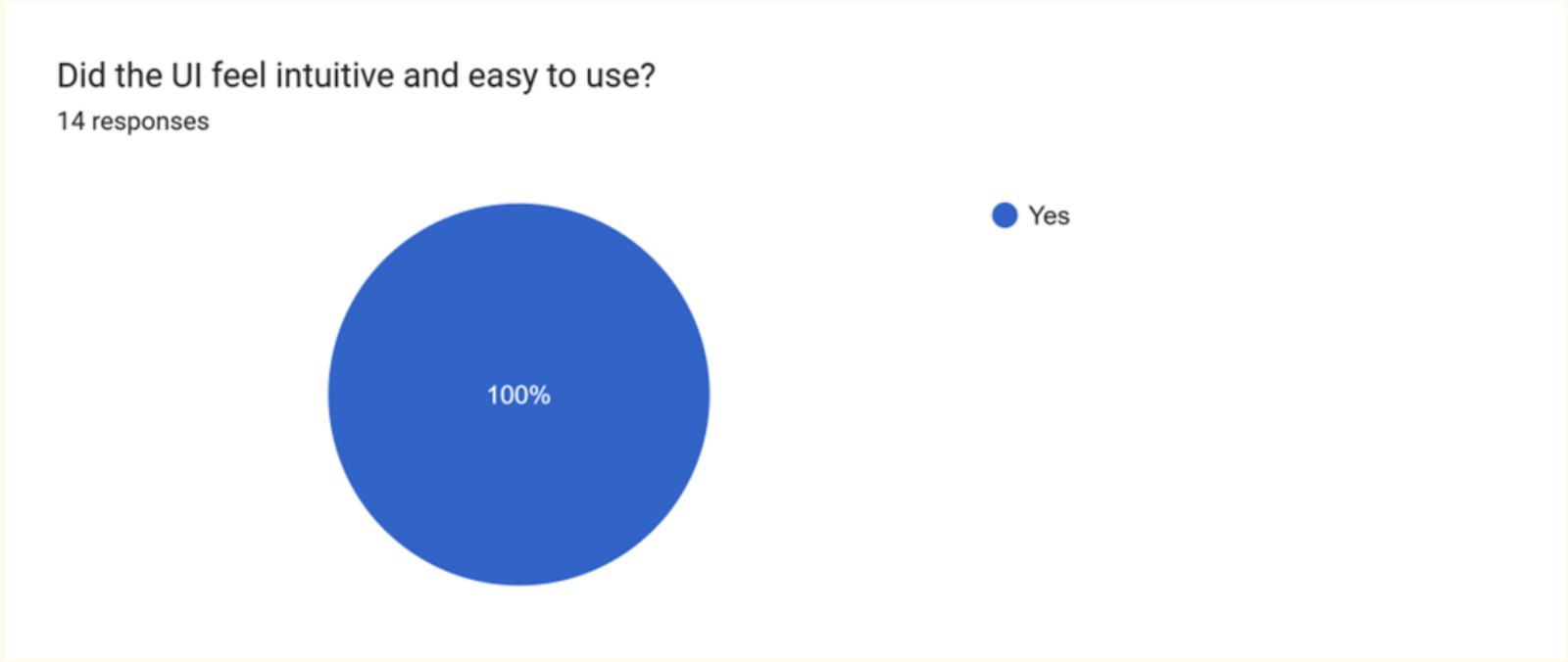
How often do you feel unsure about what to cook or bake?

14 responses



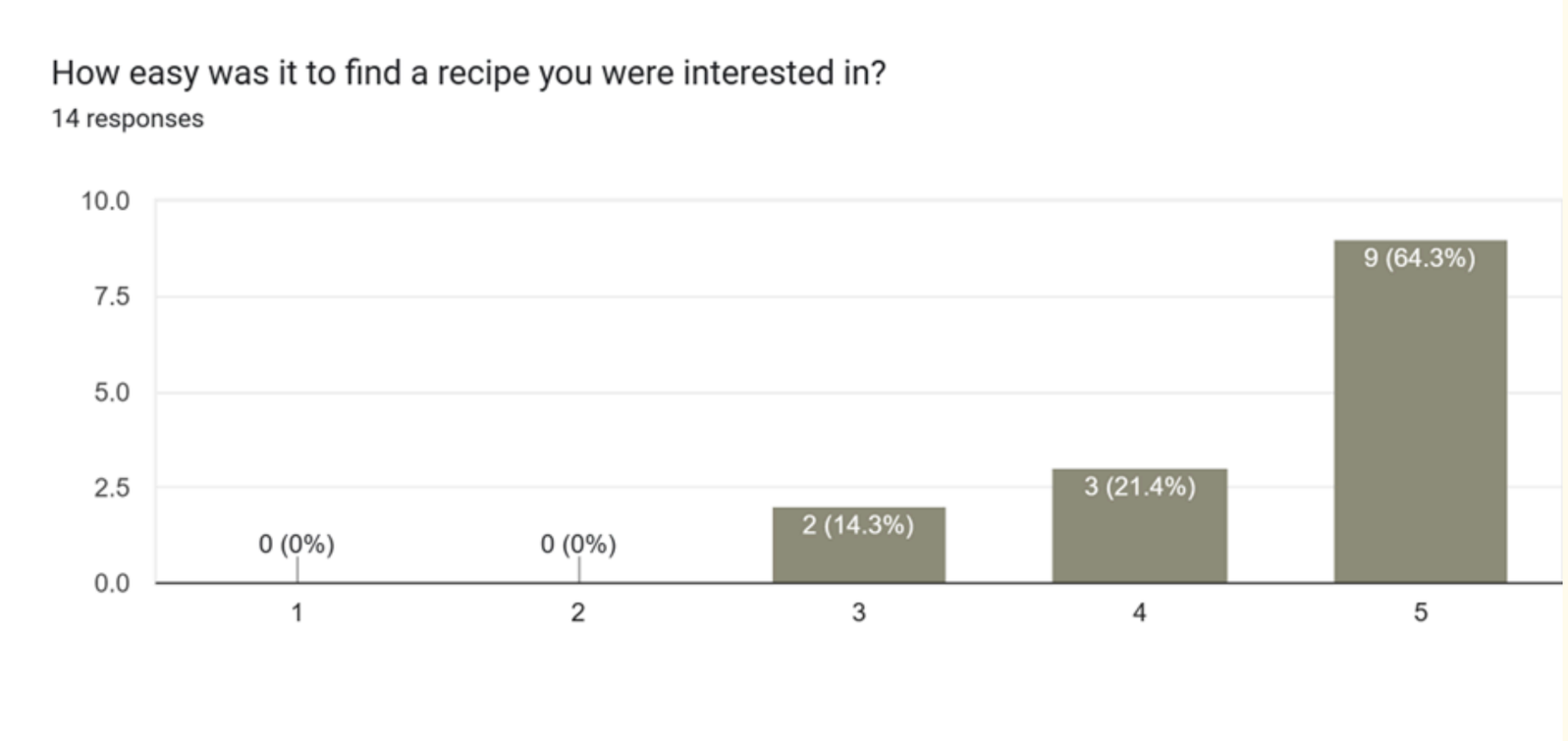
Evaluation

Results - UI



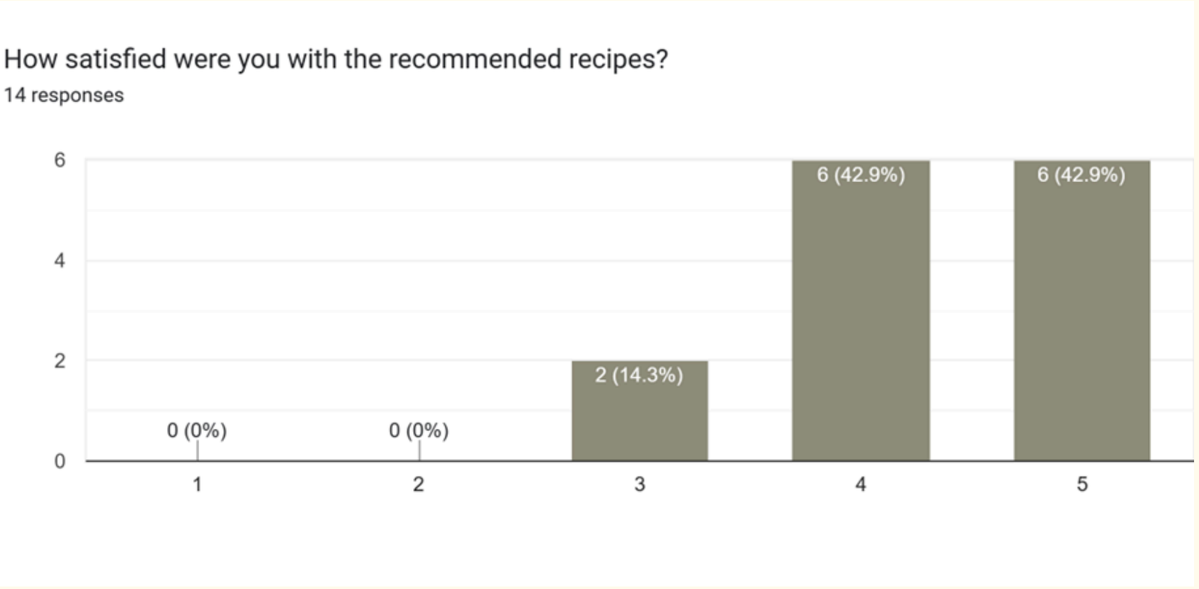
Evaluation

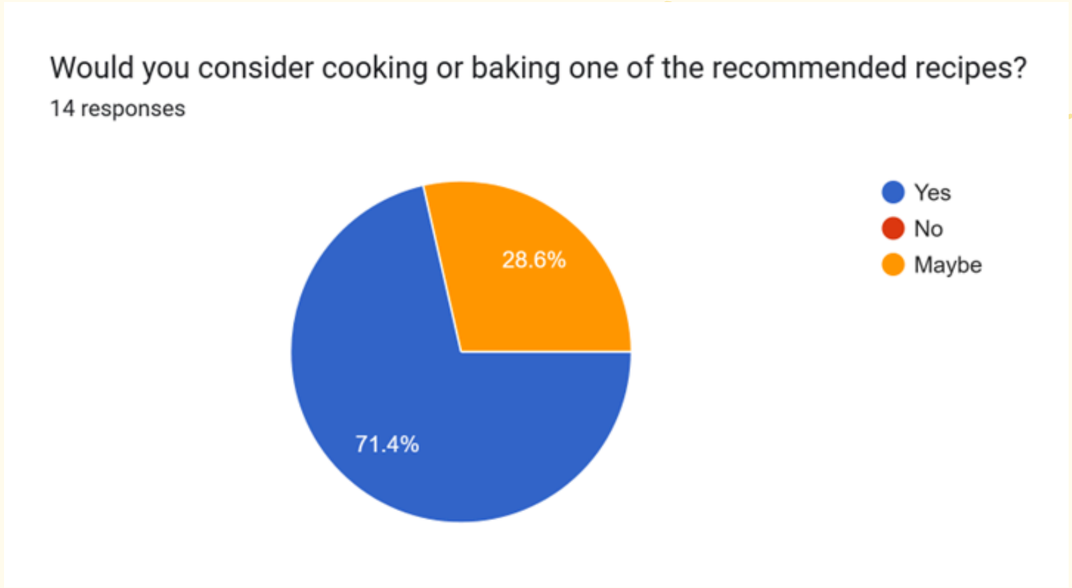
Results - Fuzzy Matching



Evaluation

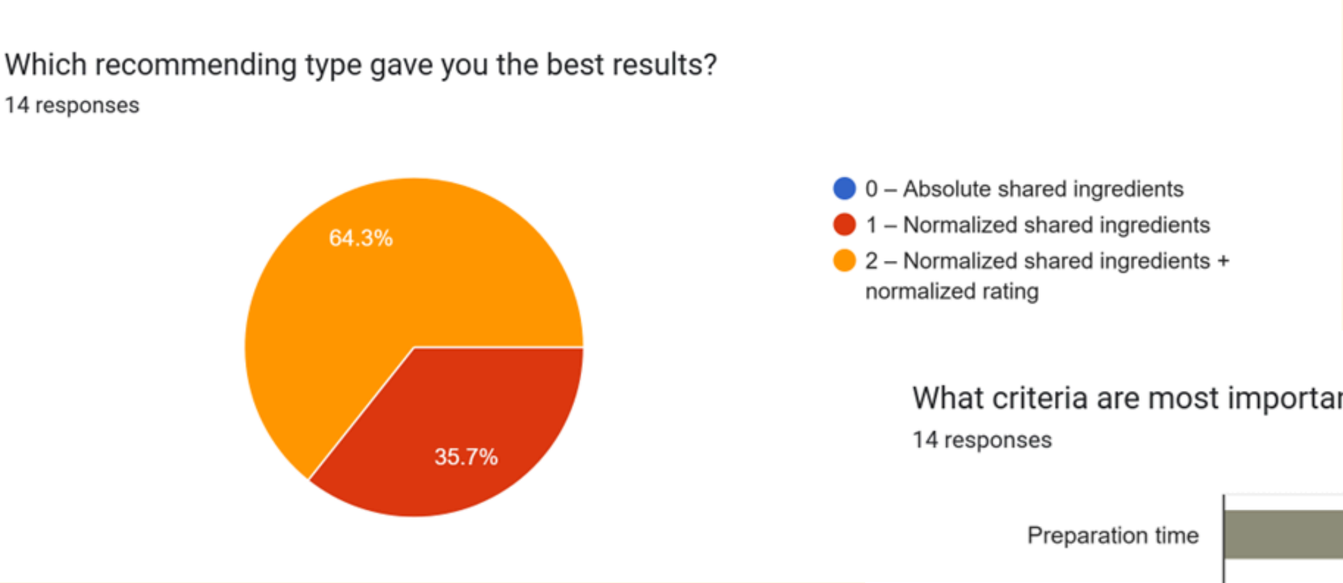
Results - Graph Logic

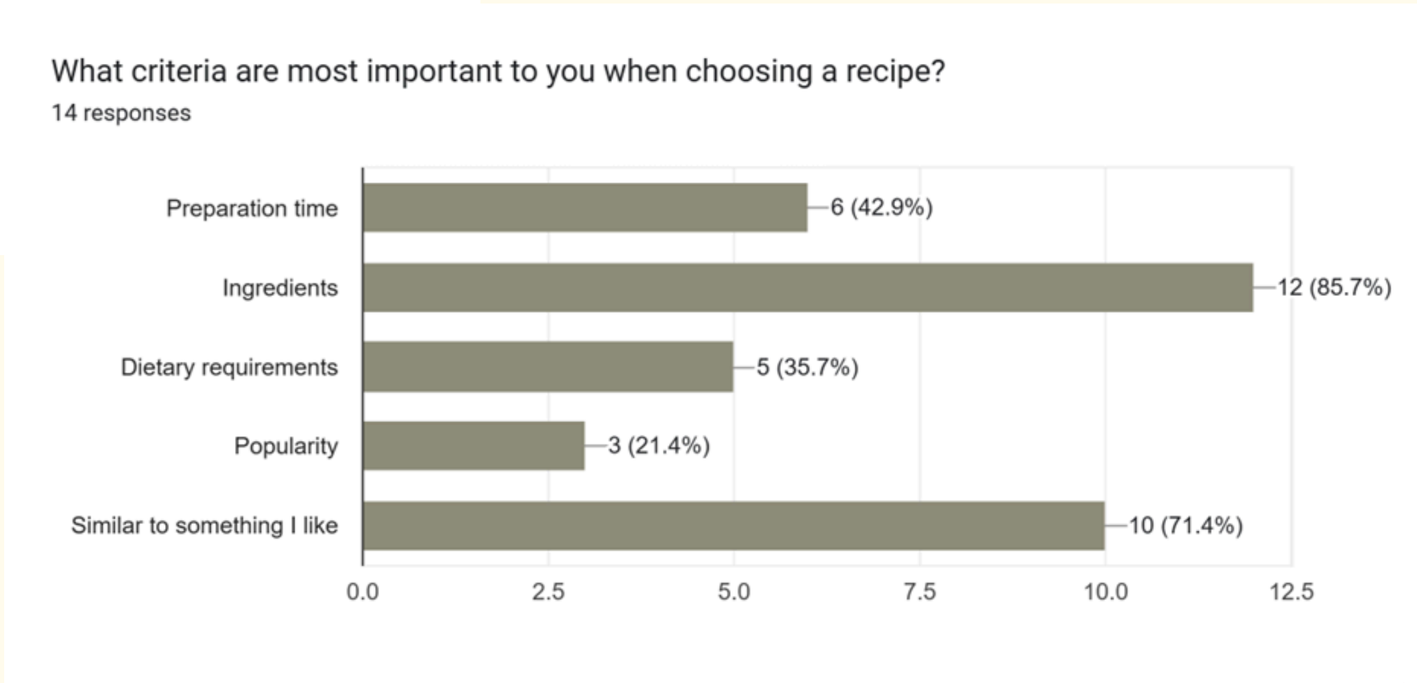




Evaluation

Results - Recommendation Logic





Evaluation

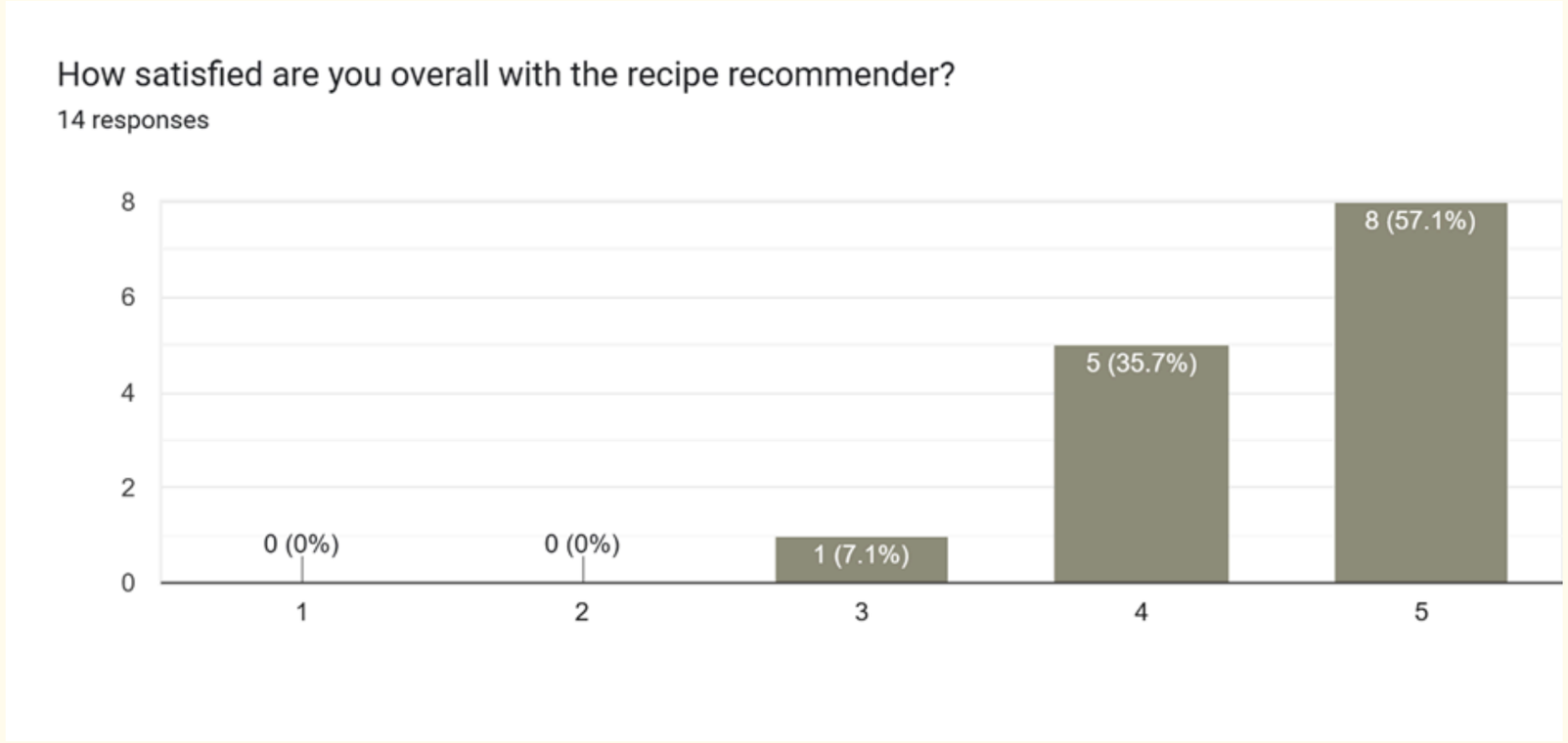
Results - Recommendation Logic

Would you like to see other types of recommendation strategies in the future? If yes which one?

14 responses

Evaluation

Results



Evaluation

Results - Summary

- recommendation logic user approved
- understandable UI
- more settings wanted

Conclusion

Week 1/2

Preparation

- Brainstorming
- Data collection
- Graph

Week 3/4

Simple Implementation

- Recommending logic
- Command Line
- UI Mockup

Week 5/6

Final Implementation

- Final UI interface
- Evaluation
- Report

Conclusion

Together

- Brainstorming
- Dataset selection
- Report writing

Anouk

- data collection
- command-line recommender
- system evaluation

Lisa

- graph visualizations
- UI mockup
- final UI interface

References

Kaggle Dataset https://www.kaggle.com/datasets/shuyangli94/food-com-recipes-and-user-interactions/data?select=PP_recipes.csv

ChatGPT : https://chatgpt.com/

https://streamlit.io/

https://docs.python.org/3/library/difflib.html

Thank you for your attention