

The background is a light beige color with several stylized illustrations of fruits and leaves. In the top left, there is a white flower with an orange center. In the top center, there is a green circular shape with several small green circles inside. In the top right, there is a green leaf. In the middle left, there are two green leaves. In the bottom left, there is a slice of watermelon with a green rind and red flesh with black seeds. In the bottom center, there are two green leaves. In the bottom right, there is a slice of orange with a green rind and orange flesh with white pith and seeds, and a red bell pepper with a green stem and leaf. There are also some small brown shapes in the bottom right corner.

CPSC-2350
Group 4

FlexyCook

Web Application

By Fuka Nagata, Monica Gao and Yuna Hu

Slide template: <https://slidesgo.com/theme/nutrition-and-healthy-eating-habits-health-10th-grade>

The slide features a light beige background with various food-related illustrations. In the top left, there is a green broccoli. In the top center, two green leaves are shown. In the top right, a red bell pepper and a white onion are visible. In the bottom left, a halved orange sits on a tan mound, with two more green leaves nearby. In the bottom right, there is another green broccoli and some green oval shapes. The word "Overview" is centered in a large, bold, dark grey font.

Overview

FlexyCook provides an easy-to-use tool for people who would like to cook and explore the cuisine world.

The two APIs: [Spoonacular](#) and [Todoist](#) provide some of the most commonly wanted features for foodies such as searching for recipes and one-click converting cooking steps into checklists.

Integrated APIs



(<https://spoonacular.com/food-api>)



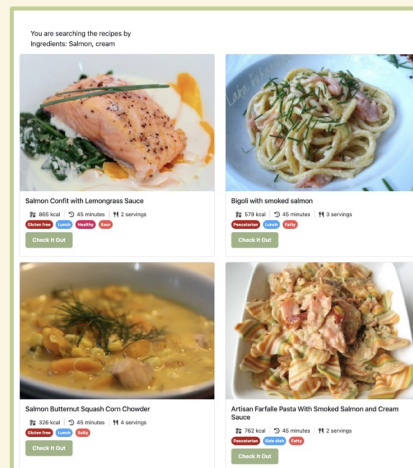
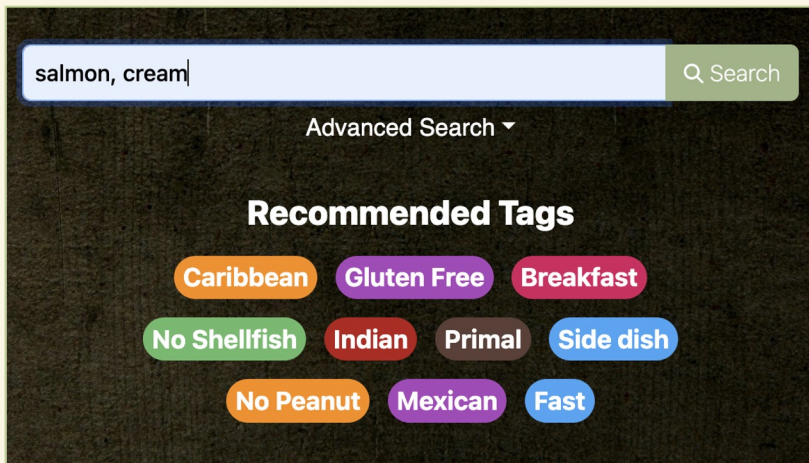
(<https://todoist.com>)



Spoonacular

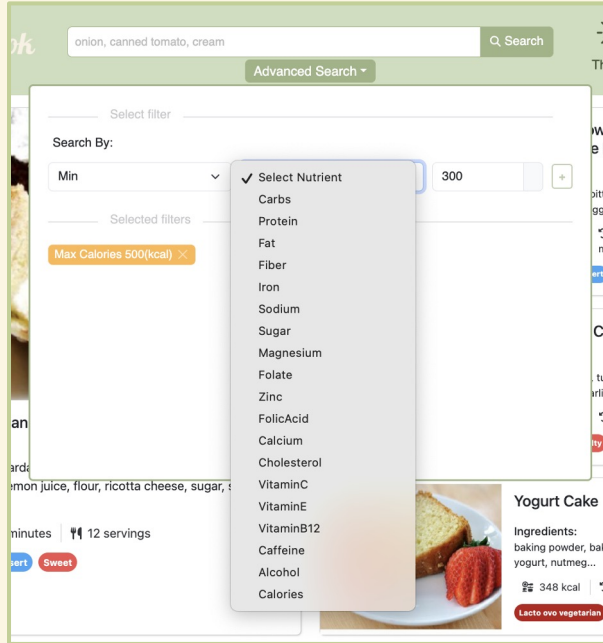
- 01** Search by ingredients
- 02** Search by nutrients
- 03** Recipe recommendation

01 Search By Ingredients



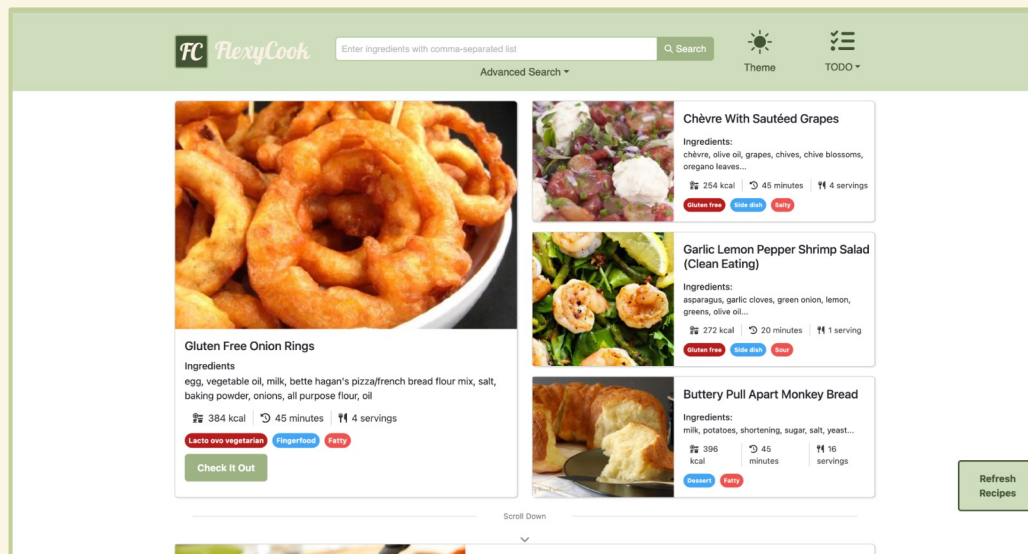
- Get recipes with the ingredients that the user has
- Get recipes by keywords
 - E.g., "apple", "carrot", "cabbage", "mozzarella"

02 Search By Nutrients



- Get recipes that fall within the specified min/max amount for certain nutrients
- E.g., "calcium", "protein", "calories", "caffeine"

03 Recipe Recommendation



- Prompt the user for random recipes
- Tailor recipe recommendations until satisfied



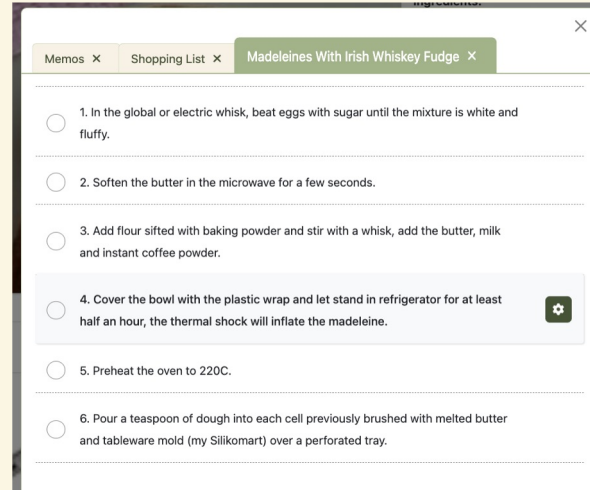
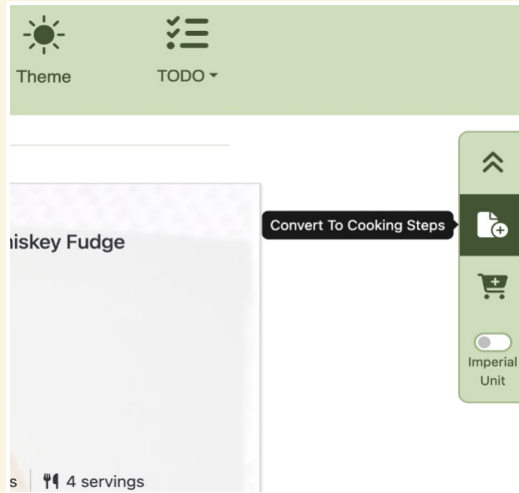
Todoist

01 Cooking steps list

02 Shopping list

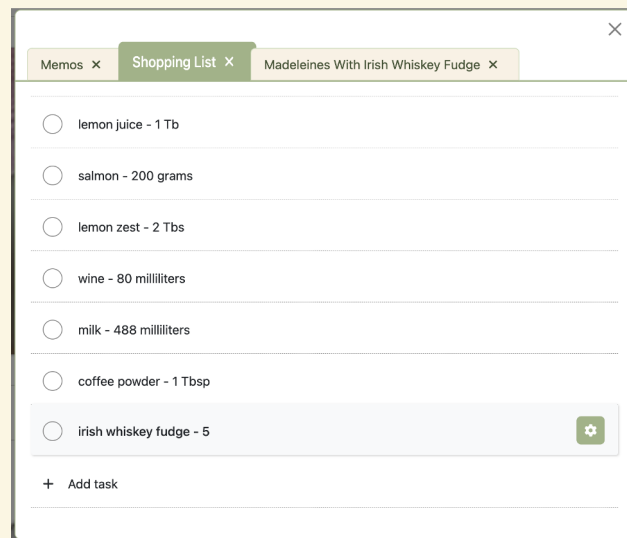
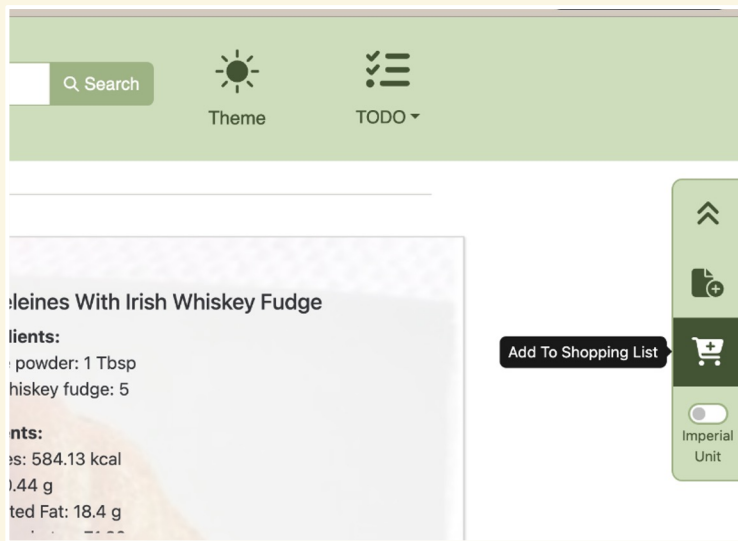
03 General todo list

01 Cooking Steps



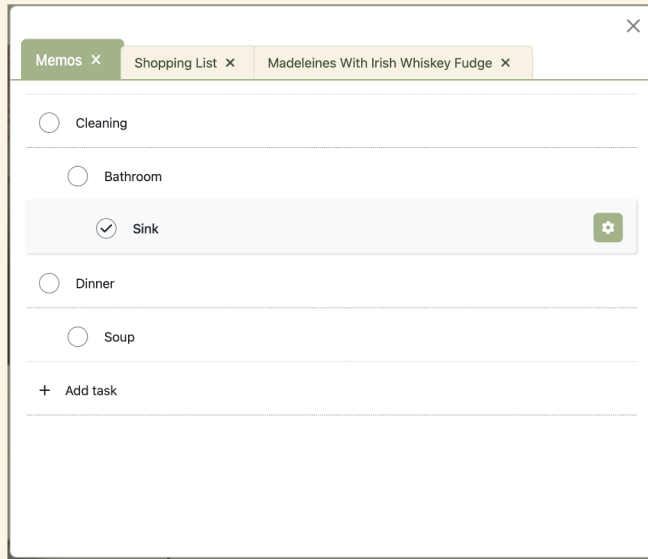
- Create a list of cooking steps from the recipe
 - Easy to read
- Save the steps and look back later

02 Shopping List



- Add the ingredients from the recipe to the shopping list

03 General Todo List



- Used for task management as a general to-do list

CI/CD

Features developed in
a separate branch

**Individual
branch**

Automatic unit, integration and
build tests
Separate development website
for internal use

Development

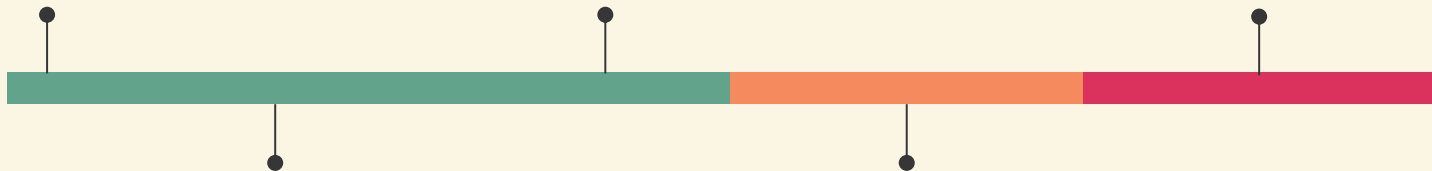
Automatic build &
deploy
Public stable website
for the users

Production

Pull request

Reviewed by a
teammate

Staging






What we learned



Coding




Is actually only a part of development. It takes so much more to make a product.

Teammates

I would not have been able to do half the things without my teammates' help. I learned so much from them.



Communications

Long meeting hours were rewarded by the results that are similar to our original ideas.







Next – Please Enjoy **FlexyCook** Demo Video



Background Music Used in demo video:
Music from #Uppbeat (free for Creators!): <https://uppbeat.io/t/andrey-rossi/bunny-hop>
License code: RYPJWY9NNZPLH28P





The background is a light cream color with various stylized vegetable illustrations. In the top left, there is a red bell pepper and a green leaf. In the top right, there is a green bell pepper and several yellow oval shapes. In the bottom left, there is a green bell pepper and a green leaf. In the bottom right, there is a red bell pepper and a green bell pepper. The word "Thanks!" is centered in a large, bold, dark grey font.

Thanks!

This presentation was created by the Group 4:
Fuka Nagata, Monica Gao and Yuna Hu