

Mobile project - M2GI - 2019-2020

General

The project must work on tablet, but you can optimize the layout for your phone.

You will be evaluate on:

- implemented functionalities
- code
- app design

Regarding the code: be careful on code duplication, follow React principles (components architecture), handle errors (API call)...

Api used: [spoonacular](#)

Link to the prototype: [here](#)

You have an awesome feature in mind that you want to implement in the project? Feel free!

It will be considered :)

Group: up to 3 peoples

Send an email during first week to n.fournier.edu@gmail.com with group composition

Feel free to send me an email if you have any question.

Release

05/03/2020

Send an email to n.fournier.edu@gmail.com with the link to the project git repository. It should be public. The repo must also contains the project APK. It should run on the tablet (I will install your app on it but as I said, you can optimize the layout for your phone).

07/03/2020

Group presentation. You will make a demo run on the device of your choice (phone or tablet). You will also be asked on code, how did you implement features...

Requirements

User's pages

Fridge

This page displays user's ingredients.

He can search by name through the ingredients list.

He can sort ingredients by name or by aisle.

Each ingredient can be added to his shopping list. If the ingredient is already in the shopping list, it is indicated.

Ingredients can be removed from the fridge (no confirmation required). Depending on the config, a removed ingredient can be automatically added to the shopping list (if not already in).

To add a new ingredient to the fridge, the user is redirected to another page.

From here, he can start to fill the ingredient's name to display results in a list (if he already type something in the previous page, input is prefilled). Ingredients came from an API call.

Ingredients already in the fridge are indicated ; otherwise it is possible to add them in.

Shopping list

This page displays user's shopping list.

He can search by name through the ingredients list.

He can sort ingredients by name or by aisle.

Each ingredient can be added to the fridge. Depending on the config, adding an ingredient to the fridge can also remove it from the shopping list. If the ingredient is already in the user's fridge, it is indicated.

Ingredients can be removed from the shopping list (no confirmation required).

To add a new ingredient to the shopping list, the user is redirected to another page.

From here, he can start to fill the ingredient's name to display results in a list (if he already type something in the previous page, input is prefilled). Ingredients came from an API call.

Ingredients already in the shopping list are indicated ; otherwise it is possible to add them in.

Saved recipes

This page displays user's saved recipes.

He can access to a recipe by clicking on it.

Configuration

This page is used for app configuration / monitoring API.

Remaining API credits are displayed. It's also indicated when this data has been updated for the last time.

2 configs are available: add removed ingredients from the fridge to the shopping list / remove ingredients from the shopping list when added to the fridge. Turn off by default. See fridge / shopping list parts for more details.

By default, every data are persisted in the application (even when the app is closed). A button is available to clean all these data (confirmation required).

Recipes

Search

This page is used to search recipes.

There is 2 ways for the user to search: by looking for recipes with ingredients from his fridge, or by searching by name.

When searching by name, the user can also specify a diet and/or a cuisine type. Results are displayed in a list ; by clicking on a recipe he will navigate to it's details.

When searching recipes with user's fridge ingredients, no other data can be provided (neither name nor diet/cuisine) ; the search will empty these fields. 10 recipes are shown from this request. By clicking on a recipe, the user will also navigate to the recipe's details.

Details

This page is used to display recipe details.

The user can save/unsave a recipe.

Each recipe should contains an image, a title, a list of diets, a list of cuisines and a time to be made (depending of API result for the recipe).

Ingredients are splitted in 2 (in user's fridge or not).

Instructions are detailed by steps.

If wine(s) are advised, they are added after instructions.