



NOVA SCHOOL OF  
SCIENCE & TECHNOLOGY

**Interação Pessoa-Máquina**

**2023/2024**

# **Feast – Your cooking companion**

---

Stage 4: Functional Prototype



**Authors:**

58239, Alexandre Fernandes  
59835, André Ribeiro  
60355, Gonçalo Gingeira  
60288, Guilherme Figueira

**Lab class N° P3**

**Group N° 23**

**Professor:**  
Teresa Romão

November 20<sup>th</sup>, 2023

## Instructions

Our android app was built with flutter tools. How to install and alter code is explained further down the report.

## Briefing

**Briefing:** FEAST is an android app that aims to solve all the problems related to the searching and sharing of recipes for users of all skill levels in what comes to cooking experience. Great importance is given to filtering in the search of recipes with customization of the user's experience with features that want to take special attention to allergies, intolerances, and availability of ingredients.

## Scenarios

**Scenario 1:** Anthony is starting to learn how to cook. He found a recipe he wanted to try out, which is the Scrambled Eggs. Today Anthony gathered all the ingredients he needed and decided to try the recipe using the app. In the end of his cooking session, he liked the recipe so much that he gave it 5 stars. (scenario was changed due to bugs in development)

**Scenario 2:** Claire is a very esteemed professional cook, and she came up with a new recipe for Spiced Apple Pancakes that she wants to share on the Feast app. So, she creates the recipe with the following ingredients:

- 1 cup flour
- 1 large apple, peeled
- 1 tbsp sugar
- 1 tbsp cinnamon (or more to taste)
- 1/2 tsp baking powder
- 1 tsp vanilla extract
- 2/3 cup milk
- 1 egg

She also specified the estimated cooking time of 25 minutes and an estimated of 8 servings(pancakes).

Finally, she inserts the following cooking steps and posts the recipe, as well as photo of one of her tries making the pancakes:

- a. In a medium bowl, combine flour, sugar, cinnamon, baking powder, and 1 pinch of salt.
- b. Separate the egg yolk and egg white. Add the egg yolk to the dry ingredients.
- c. Whisk the egg white until foamy.
- d. Slice the peeled apple into thin strips. Alternatively, grate the apple.
- e. Combine dry ingredients, apple, vanilla extract, egg white, and milk into a homogenous batter.
- f. To a large pan, add 1 tbsp butter. Add the batter (about 3 tbsp per pancake) and cook for 2 min per side on medium-high heat.

**Scenario 3:** Tom is cooking for tonight's dinner with his vegetarian girlfriend. For ideas of what to cook Tom used the Feast app to search for vegetarian recipes that don't contain lactose (since Tom is lactose intolerant) and peanuts (since Tom is also allergic to peanuts). After a while he found the Quinoa and Vegetable Stir-Fry with Cashew Sauce and thought it was perfect so he saved on his lists where he saves his recipes to try to cook for his girlfriend so that he could cook it later. (scenario was changed due to bugs in development)

## Limitations

Due to time constraints the following backend limitations apply to the prototype:

1. Lists are not implemented due to app breaking bugs and a lack of time to correct them.
2. Notifications and Settings are just for show, only the front-end was made as they were not needed to complete a scenario.
3. Login only works for one user, which is the following:
  - a. User: ana123
  - b. Password: 12345
4. My Diet and Filter's backend only works on the specific scenario that needs it, otherwise it is also just for show.

## URLs

APK and ZIP of code:

[https://drive.google.com/drive/folders/14a0EW2UYRa27vF28YIIjaFbAi0lugSTG?usp=drive link](https://drive.google.com/drive/folders/14a0EW2UYRa27vF28YIIjaFbAi0lugSTG?usp=drive_link)

GitHub:

<https://github.com/GoncaloGingeira/Feast>

Site of Project:

<https://grfigueira.github.io/IPM3/>

To install the app, simply run the APK file on your Android device.

To change the code in any way you need to install Flutter and Android Studio, running the code with Flutter commands, like: "flutter run".

Here's a link with a great concise tutorial that helps you understand Flutter and how to use it:

<https://youtu.be/1xipg02Wu8s>