

Interação Pessoa-Máquina

2024/2025

EasyDish

Stage 3: 1st prototype



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Sketches

In the images below, we can see all of the sketches that were created for this stage of the project with their corresponding descriptions.

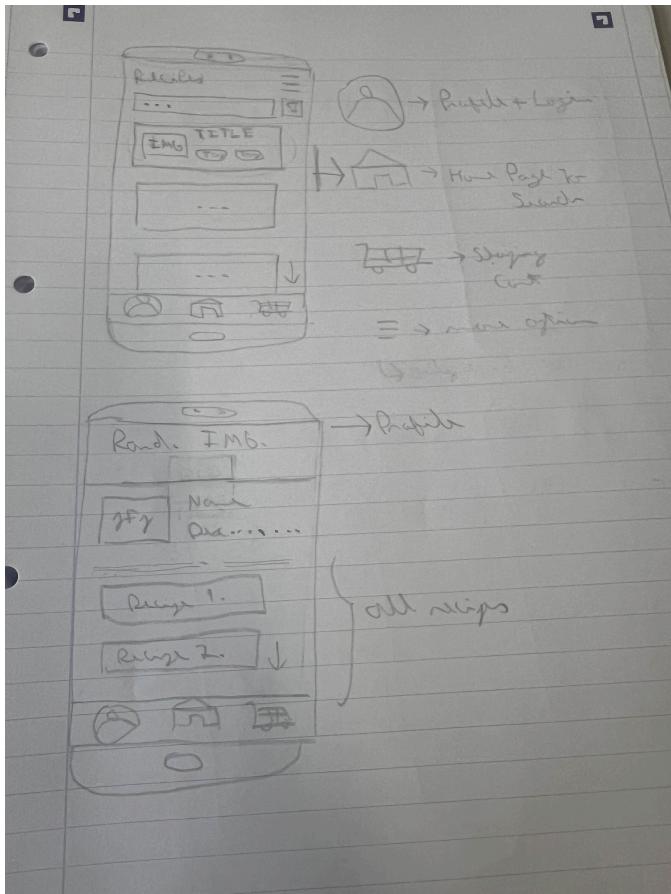


Fig 1

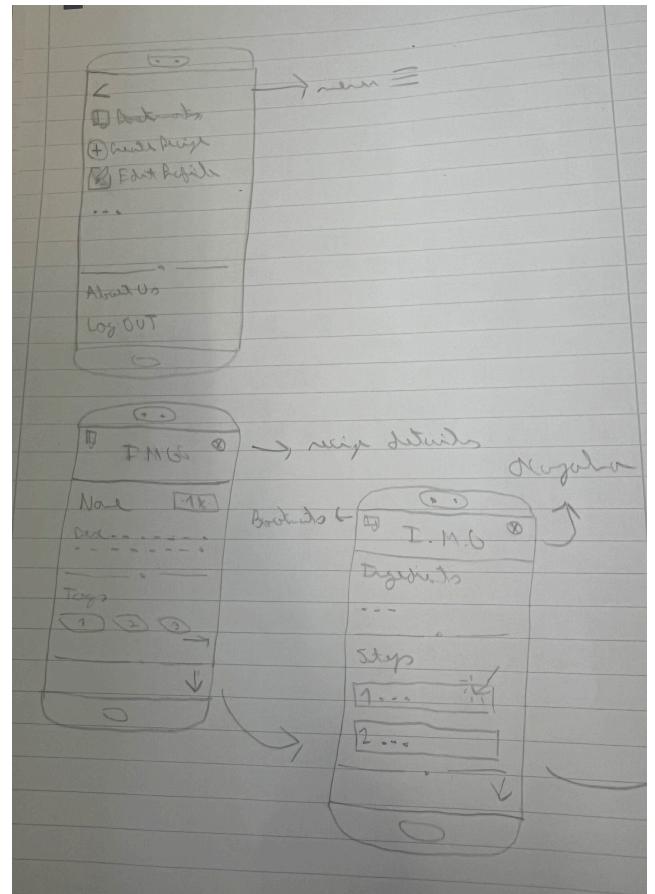


Fig 2

Main Menu & Profile Menu (Fig 1)

In Fig 1, in the top screen we can see the Main Menu of the app. This menu is the first that appears when we use the app, and is also accessible by clicking on the “Home” central button. In the bottom screen, we can see a screen that corresponds with a user profile, being this screen accessible by clicking the Profile Button on the left.

In the Main Menu Screen we can see some suggested recipes included with a search bar where we can search for specific recipes and filter out the response. In each recipe, we can see the name of it, an image, and some tags.

In the Profile Screen, we can see a variety of information written by the user, like their name, their profile pic, a random image chosen by the user, a short description about themselves, and a collection of recipes that the user created.

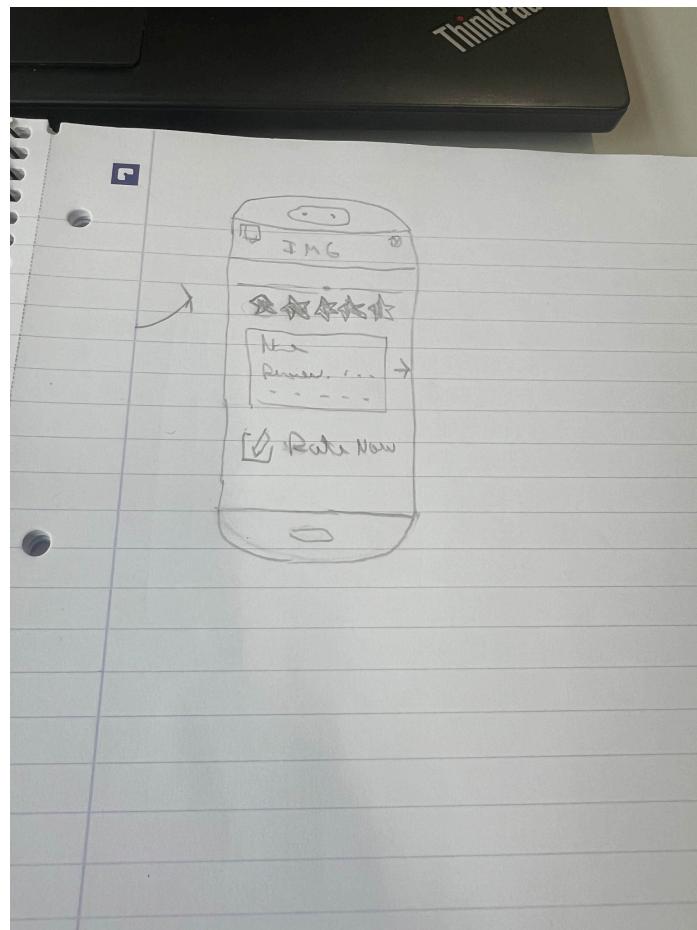


Fig 3

Side Menu & Recipe Menu (Fig 2, 3)

In the top screen of Fig 2 we can see the side menu of the application that is accessible in Fig 1. This menu contains some extra options like, creating a recipe, editing the profile or logging off..

In Fig 2 and 3 we can see the screens that contain the information of individual recipes. In them, we can see a variety of information like the Name of the recipe, images, the portion to increase or decrease, the tags, the ingredients, the steps and in the end (Fig 3), the recipe rating with some reviews and a button to rate the recipe.

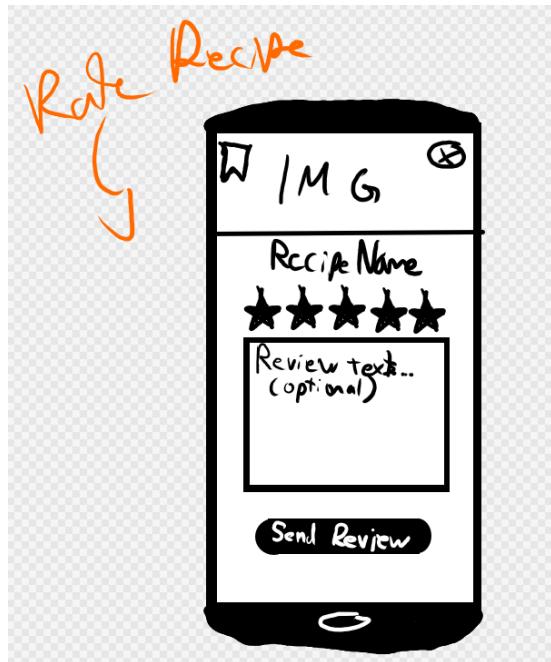


Fig 4

Rate Recipe Menu (Fig 4)

In fig 4, we can see what happens when we click the Rate Recipe button in the previous screen (Fig 3). In this menu, we can select a rating for the recipe (according to a 1-5 star rating) and give a brief review that is optional to send.

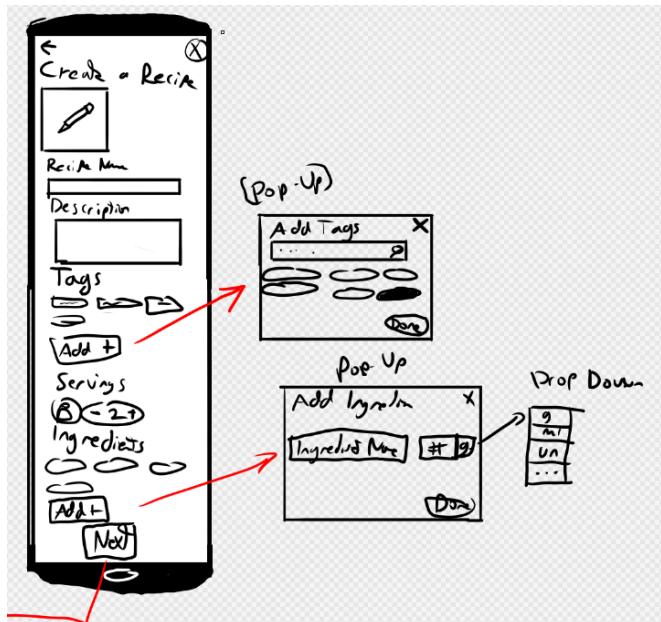


Fig 5

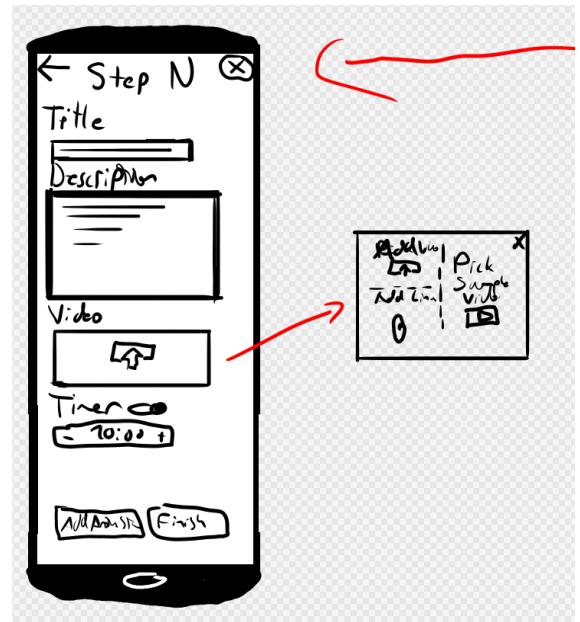


Fig 6

Create Recipe Menu (Fig 5, 6)

In Fig 5 and 6, we can see the steps of how to create a recipe. Some key interactions of these menus are:

- Inserting the Name, Description, and Image of the Recipe
- Adding appropriate tags by using a popup menu.
- Add servings
- Add ingredients by using a popup menu.
- Adding steps (where each step requires a Title, Description, Video and potentially a timer)

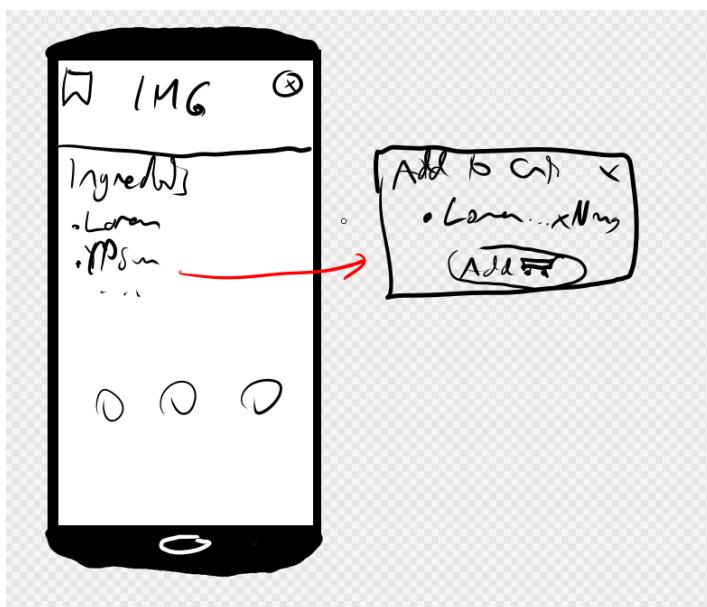


Fig 7

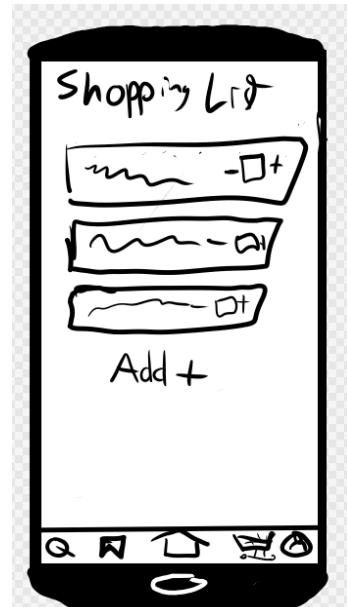


Fig 8

Shopping Cart (Fig 7, 8)

In Fig 7, we can see a user that is currently on a recipe menu, clicking on an ingredient to add it to their personalized shopping cart (using a popup menu).

In Fig 8, we can see the Shopping Cart menu where every item is displayed. It is possible to adjust the quantity with a “+” and “-” sign or add new ingredients.

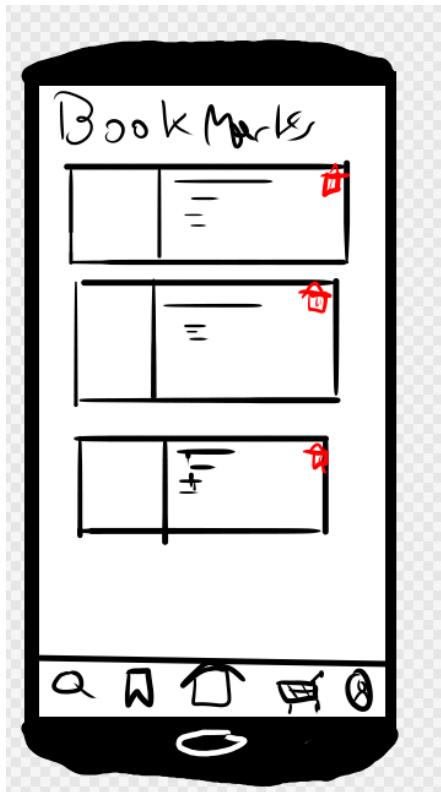


Fig 9



Fig 10

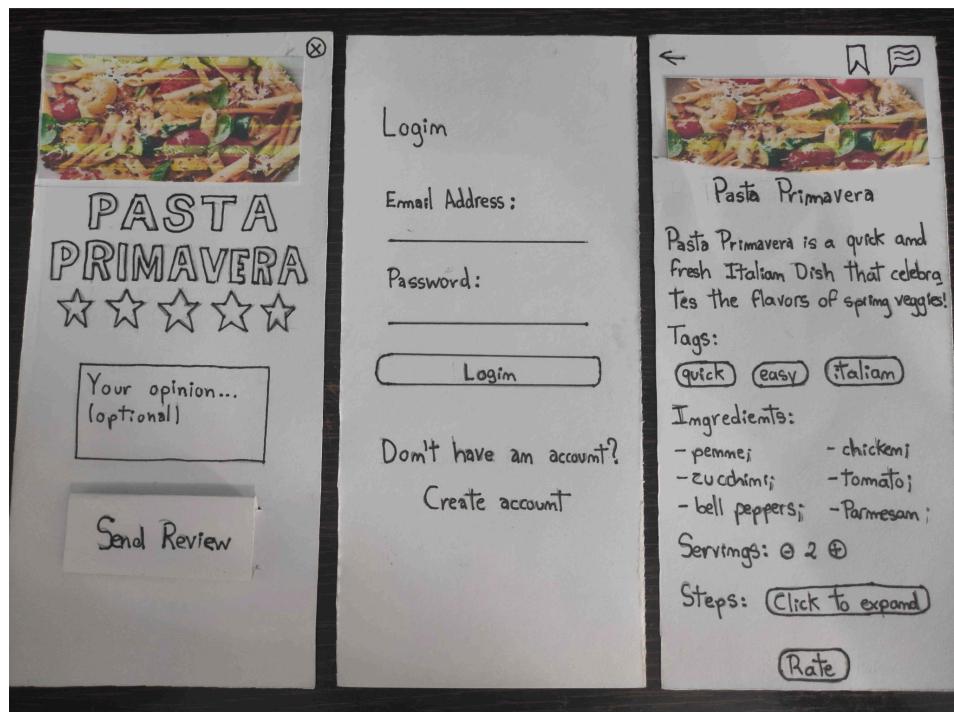
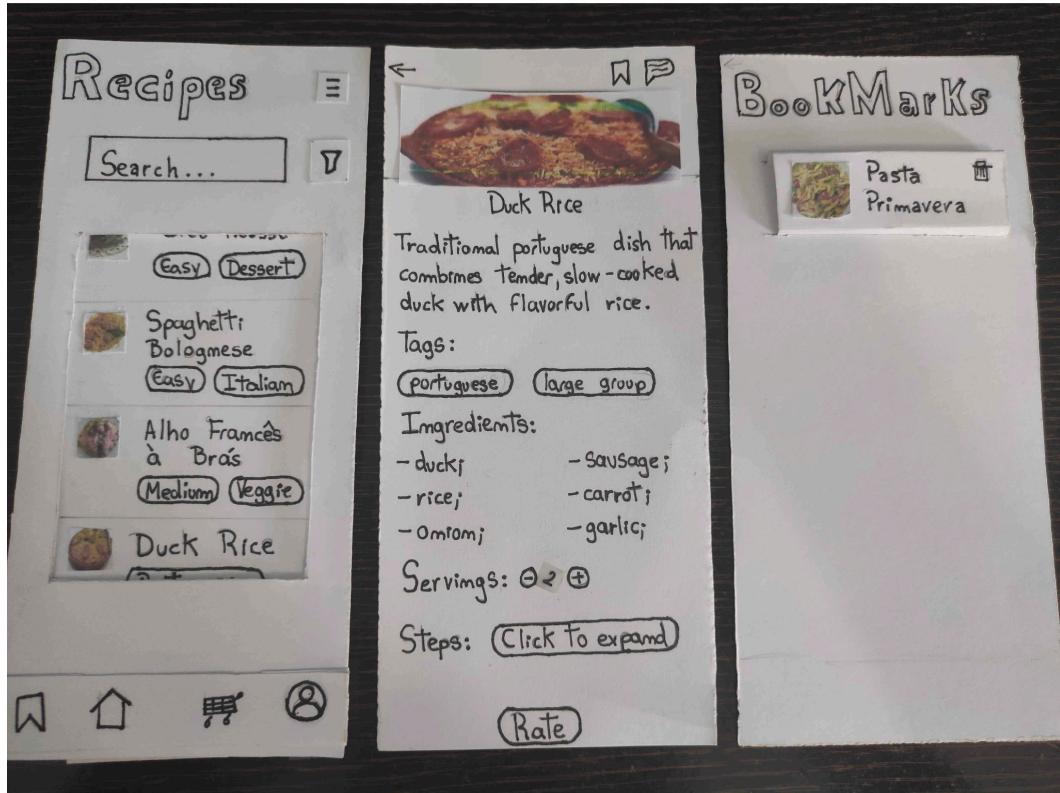
Bookmarks Menu and Filters (Fig 9, 10)

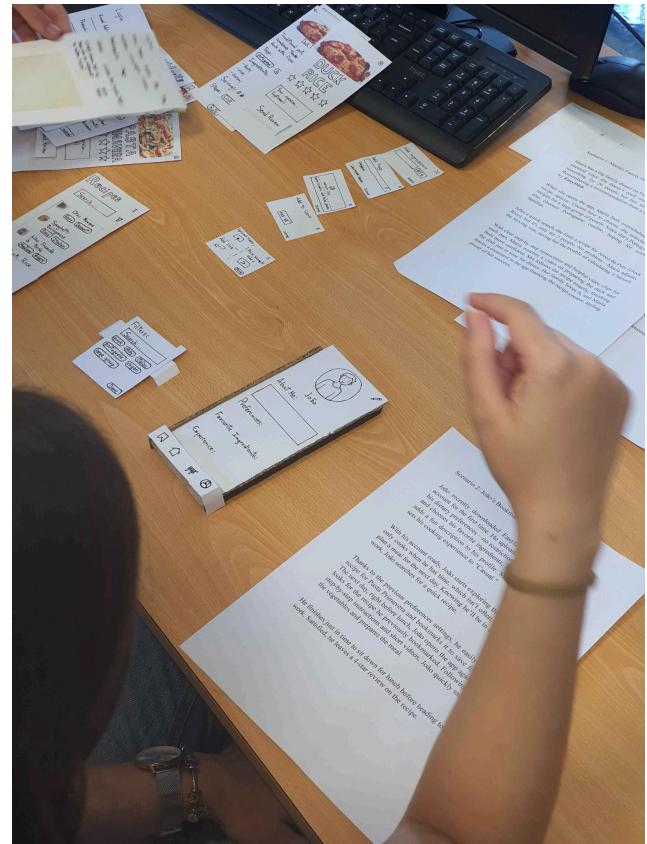
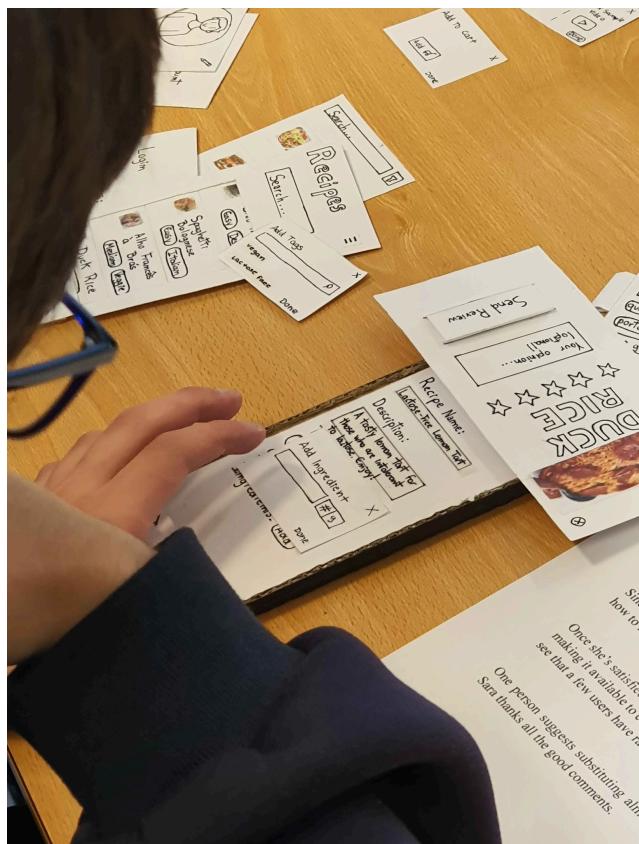
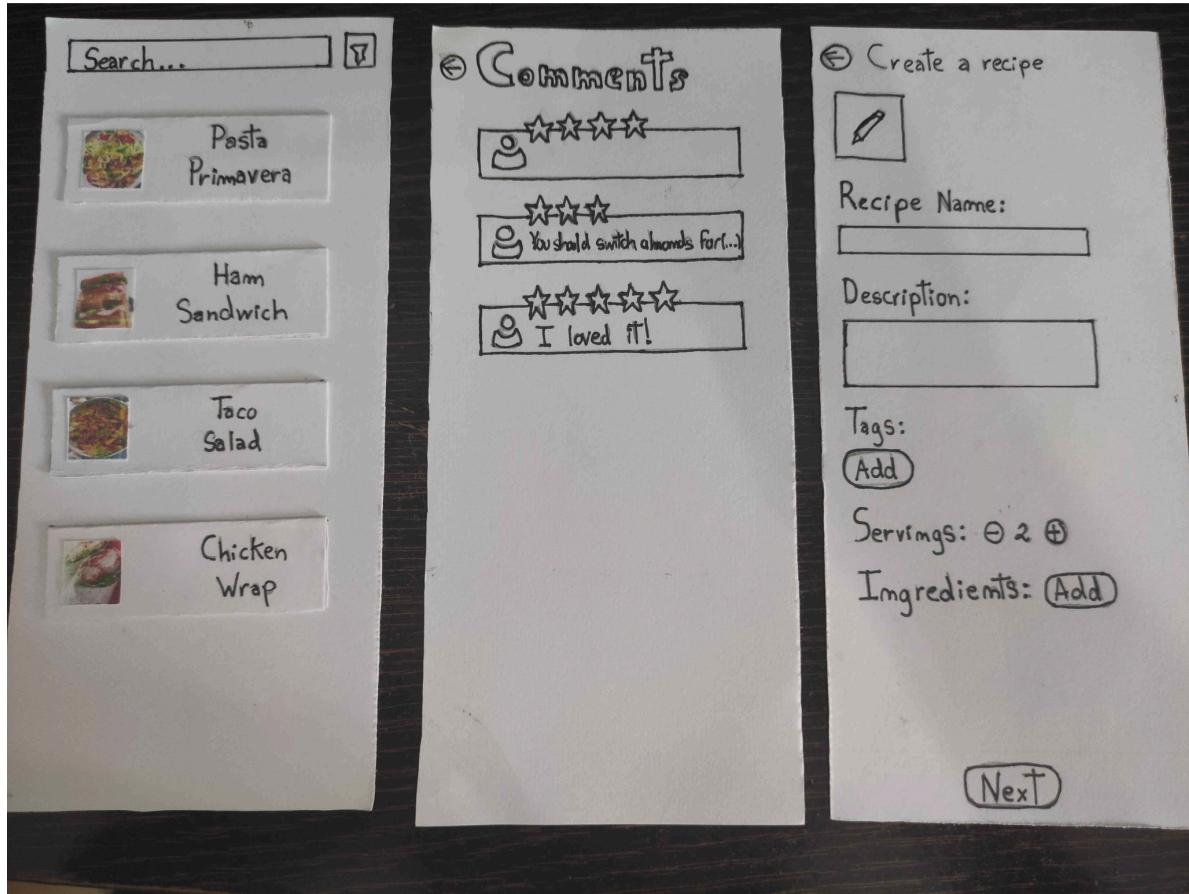
In Fig 9 we can see the bookmarks tab, where it is possible to see all bookmarked recipes chosen by the user with their corresponding name, tags and image.

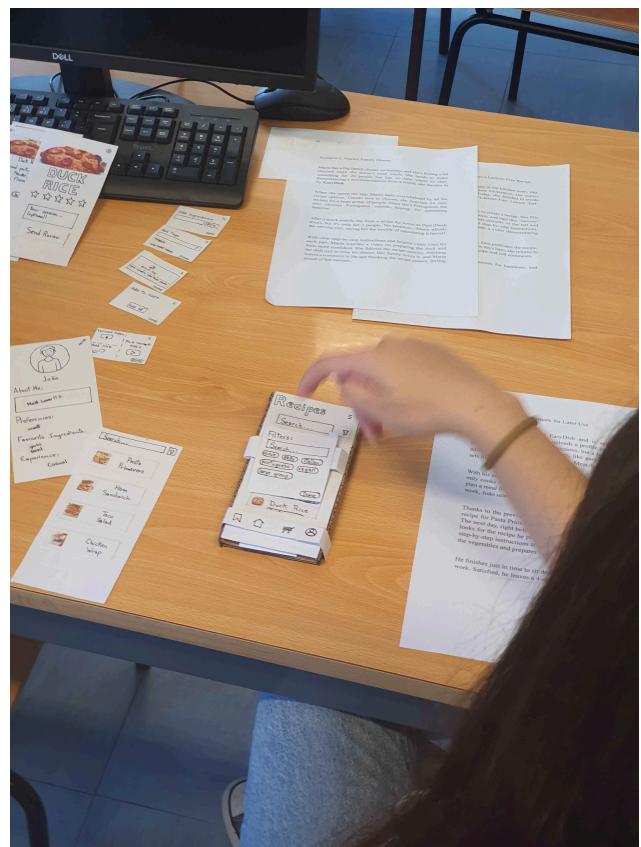
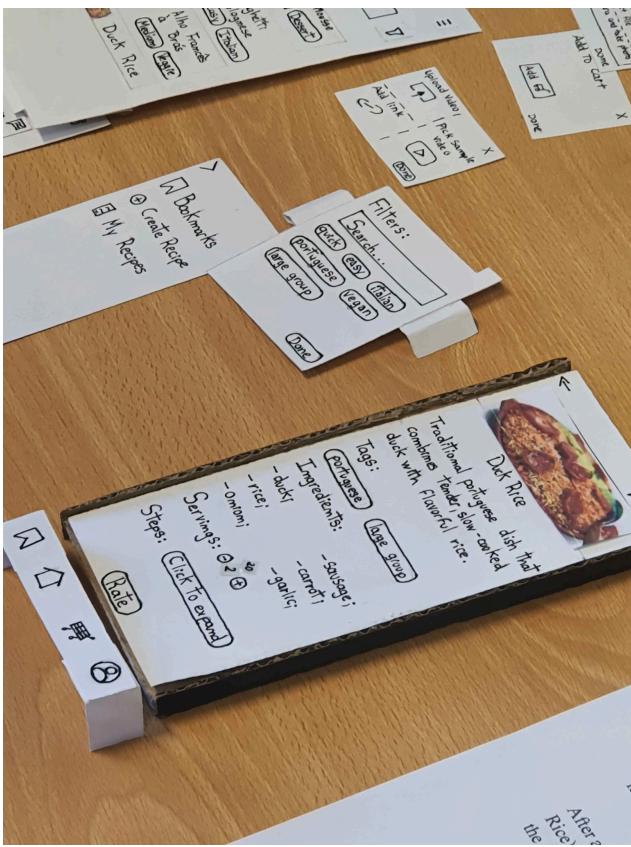
In Fig 10, we can see the Filter Menu of the Main Screen.

Prototype

The following images represent not only the prototype photos taken before the Testing Day, as well as the photos of the users using the prototypes on the testing day.

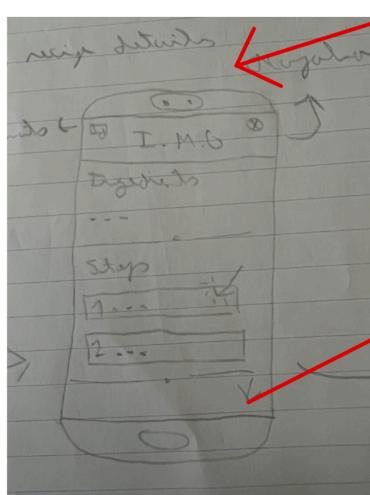
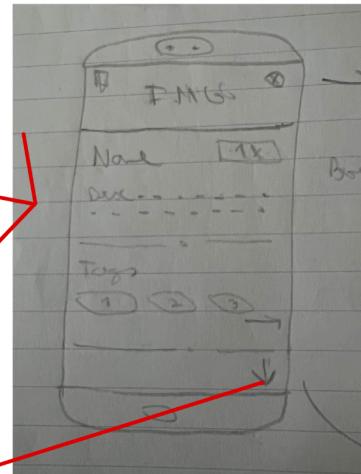
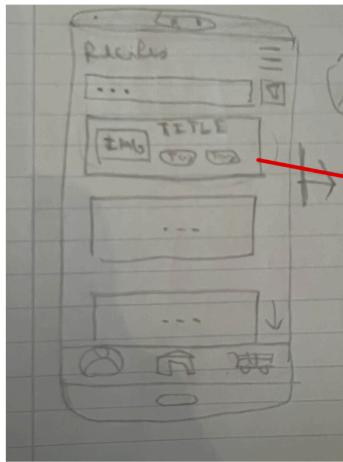




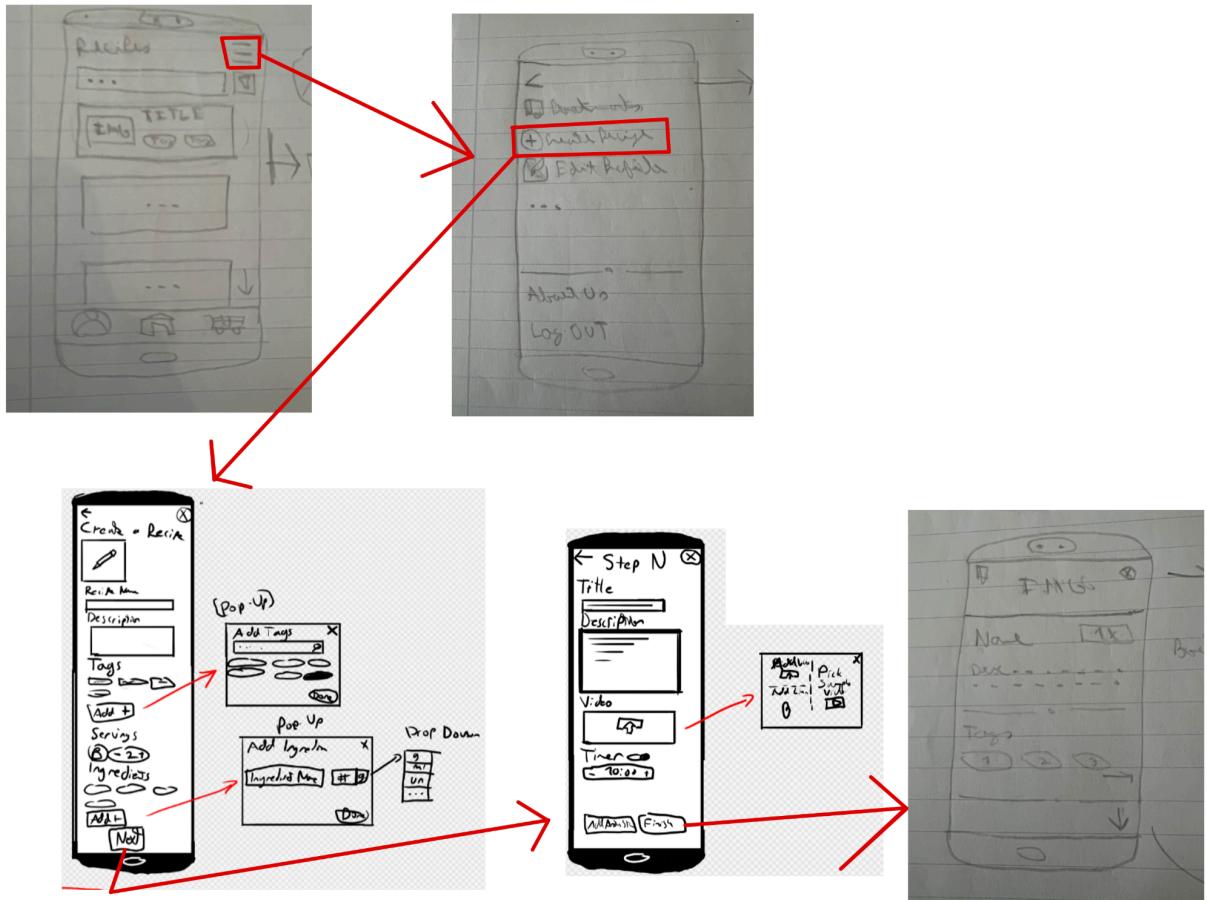


Storyboards

Storyboard 1: Rate a Recipe



Storyboard 2: Create Recipe



Briefing

Everyday, a lot of people struggle with cooking not only due to unclear recipes but also due to the complexity of some preparation methods. To follow a recipe, a clear and detailed guidance is needed to help understand the sequence of tasks and to adapt the recipe to their needs. Besides that, there are often many recipes that require a certain level of experience that is not reliably stated by those who use it, but by the person who presented it, which could not be very accurate. Some other problems that are frequently found while looking for a recipe or cooking could be, knowing which ingredients might be needed for a recipe, knowing what recipes could be done with an inventory of ingredients or knowing if a recipe might be safe to consume knowing the allergies of the consumer.

Scenarios

Scenario 1: Maria's Family Dinner

Maria has a big family dinner on Sunday, and she's feeling a bit stressed since she doesn't cook much. She needs to make something for 20 people but has no idea where to start. Remembering a recommendation from a friend, she decides to try **EasyDish**.

When she opens the app, Maria feels overwhelmed by all the recipe options. Unsure how to choose, she searches for easy recipes for a large group of people. Since she's Portuguese, she also chooses Portuguese cuisine, hoping for something familiar.

After a quick search, she finds a recipe for Arroz de Pato (Duck Rice), but it's only for 2 people. No problem—Maria adjusts the serving size, saving her the trouble of calculating it herself.

With clear step-by-step instructions and helpful video clips for each part, Maria watches a video on preparing the duck and feels more confident. She follows the recipe exactly, finishing the dish just in time for dinner. Her family loves it, and Maria leaves a comment in the app thanking the recipe creator, feeling proud of her success.

Scenario 2: João's Bookmark for Later Use

João recently downloaded **EasyDish** and is setting up his account for the first time. He uploads a profile picture, selects his dietary preferences—no restrictions, but a love for meat—and chooses his favorite ingredients, like garlic and basil. He adds a fun description to his profile: **Meat Lover !!! 😊** and sets his cooking experience to "Casual."

With his account ready, João starts exploring the app. Since he only cooks when he has time, which isn't often, he decides to plan a meal for the next day. Knowing he'll be in a rush before work, João searches for a quick recipe.

Thanks to the previous preferences settings, he easily spots a recipe for **Pasta Primavera** and bookmarks it to save for later. The next day, right before lunch, João opens the app again and looks for the recipe he previously bookmarked. Following the step-by-step instructions and short videos, João quickly sautés the vegetables and prepares the meal. He finishes just in time to sit down for lunch before heading to work. Satisfied, he leaves a 4-star review on the recipe.

Scenario 3: Sara Creates and Shares a Lactose-Free Recipe

Sara loves cooking and spends hours in the kitchen every day. As an experienced cook with lactose intolerance, she enjoys experimenting with new recipes. Today, she decided to create and share her own recipe for a "Lactose-Free Lemon Tart" using the **EasyDish** app.

Sara logs into her account and starts to create a recipe. She fills in the recipe's name, a brief description, and tags like "lactose-free" and "vegan." Next, she uploads pictures of the tart and enters the ingredients, portions, and step-by-step instructions. Since the crust is tricky, Sara uploads a video demonstrating how to make it properly.

Once she's satisfied with everything, Sara publishes the recipe, making it available to everyone. A few days later, she returns to see that a few users have rated the recipe and left comments. One person suggests substituting almonds for hazelnuts, and Sara thanks all the good comments.

Observations

Testing mostly went according to plan - users behaved as expected, and the system behaved as they were expecting it to. There were, however, a couple things to note.

During the second user's testing, the user correctly pointed out that there is no button to save the edits to one's profile, having only an "X" to exit. This is unintuitive, and makes it seem like the changes were being discarded. To reflect this, we will be adding a button saying "Done" to save changes.

Additionally, during the final user's testing, the user mentioned that the location of the Create Recipe option seemed a little hidden away. not able to be intuitively found (it is located within the sidebar menu). We will consider moving it elsewhere, although the other two users had no problem finding it.