Interacção Pessoa-Máquina

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Foodie

Stage 2: User and Task Analysis

Project by:
52515, Alexandre Nascimento
52985, Joana Pacheco
52699, Lourenço Vasconcelos
52585, Marta Cerqueira

Lab class Nº : 2
Group Nº: 14

Professor:
Teresa Romão

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Problem

As a user, I want an efficient way of accessing and managing recipes, whether this is for practical or creative purposes. When looking for recipes, I usually need to write down its steps and ingredients and take note of which ones I must buy. I find that task a bit time consuming and I would like to see it automated. Additionally, my experience would be more enjoyable if I was part of a community of people I may or may not know, who I could interact, share recipes and cooking tricks with. I would also like to discover new recipes that I have never tried before.

Users

The users of our app will be people of all ages that have an interest in cooking, possess a smartphone and want to improve their cooking skills alongside their friends or random people that have interest in cooking together. These people might be food bloggers, parents that ran out of ideas of recipes to cook, or even children that want to start learning cooking.

There will be two different user classes in our application, the authenticated users and the not authenticated users. Authenticated users will be people that created an account on the application and have made the login successfully. They will be able to share recipes, save recipes in their personal repositories, save their ingredient stock in the app, so they know what ingredients they are missing for a recipe, cook with their friends and have access to many other features. Not authenticated users will be people that either have an account but didn't login or people that don't have an account on the application. This user class will only be able to search and consult recipes.

Tasks

Publish a recipe

Goal: Share a new recipe in the app so that other users can interact with it (consult, like, comment, share, etc.).

Pre-conditions: The user must be logged in.

Sub-tasks: On the Home screen the user chooses the option "New Recipe". Then he fills out the form, which includes title, categories, ingredients, recipe steps and images.

Exceptions: The user did not to fill in the mandatory fields on the form.

Search for a recipe

Goal: Find a recipe in the app to cook.

Pre-conditions: None.

Sub-tasks:

Option 1: The user navigates through its desired categories, until finding a recipe.

Option 2: The user types the name of a recipe or ingredient on the search bar and then navigates the results until finding a recipe.

Option 3: The user chooses the option "Search by ingredient list" , that's suggested in a section at the bottom of the drop down of the search bar, which sends him to a screen where the user can more intuitively insert the ingredients and obtain all the recipes he is able to cook with those ingredients.

Option 4: The user chooses the option "Search by pantry ingredient list", that's suggested in a section at the bottom of the drop down of the search bar or in the pantry section of the app and obtains all the recipes he is able to cook with the ingredients saved in his pantry section of the app.

Exceptions: The user not being logged in when choosing "Search by pantry ingredients": in this case, the user will be redirected to the login in/sign up screen.

Coop of a recipe with other users (video-call)

Goal: Follow a recipe, step by step, as each step to be performed at the given moment is individually shown.

Pre-conditions: The user must be logged in and in the recipe page.

Sub-tasks: On the recipe page the user chooses the option "Cook with a friend". After that the other user will receive a video-call trough the app that he must accept. As the users advance in the recipe, they both must press the "next-step" button to advance to the next step of the recipe, if only one user presses it, he must wait for the other.

Exceptions: The user's not mutually following each other: in this case it's not possible to use the coop function.

Save and organize recipes in personal repository

Goal: Allowing the user to store recipes from different users that they find appealing and consult them later without having to share the said meal.

Pre-conditions: The user must be logged. The user must be in the recipe page.

Sub-tasks: On the recipe page the user chooses the option "Save Recipe" and then selects the folder in which he wishes to save the recipe or if necessary, create a new one.

Exceptions: The folder which the user selected is full.

Add ingredients to shopping list

Goal: Have all the missing ingredients to perform a recipe in a single place, making it harder for the user to forget them in his next shopping trip.

Preconditions: The user must be logged in. The user must be in a recipe page for option 1.

Sub-tasks:

Option 1: On the recipe page the user must manually add an ingredient, by clicking on a plus button next to the ingredient that he's missing to add it to the shopping list.

Option 2: The user also has the option to select the "Add ingredient" button on the shopping list screen and write the ingredient name.

Exceptions: In case the user is adding an ingredient trough option 2 and miss spells the ingredient name it will show him a message warning that the ingredient that he wrote does not exist and can not be added to the cart.

Scenarios

Publishing a recipe

Mr. Jones just cooked a great Risotto for dinner with his friends and some of them asked him for the recipe. Sending the recipe to each one of them would take a long time, and then if someone else later asked him for the recipe, he would have to send that person the recipe again. To save time, Mr. Jones decides to use the application "Foodie" and share the recipe in the application. Now all Mr. Jones' friends can see his Risotto recipe in the application without having to ask him for the recipe again.

Searching for a recipe

Joe is having his friends over for dinner tonight, but he doesn't know what to cook. He wished to know the recipes of his friend Mr. Jones, who is a professional chef, that are always delicious. Joe remembered that his friend Mr. Jones loves to share his recipes in the app "Foodie", so he decides to install the application. Now Joe can easily find the secret to cook delicious dinners like his friend Mr. Jones does and can get ideas of what to cook for his friends tonight.

Save and organize recipes in personal repository

Mr. Jones can never remember a recipe, so he has a book where he keeps all his recipes. Unfortunately, he has tons of recipes, and it is hard for him to find the recipe he's looking for, he must look through all the recipes in the book to find the one he wants. His friend Joe told him about the new app he recently discovered, "Foodie". He told him that in this app, Mr. Jones could save recipes in different folders and he could find them by the recipe name inside the folder, this way Mr. Jones no longer needs to lose time looking for a recipe in his book, he can simply write its name in his repository in the app and he'll find it.

User Feedback

Upon doing some preliminary research to better understand our target group's needs, we interviewed a few potential users. After pitching them our project, we obtained their feedback, which consisted in the following suggestions:

- The addition of the possibility to, not only save and organize recipes by folders created by the users, but also to add meals to a weekly meal plan;

- The addiction of a countdown in the Coop feature in order to keep track of tasks that require timing, for example, boiling an egg;

- Optionally, when consulting a recipe's ingredients, the user could choose to have the ones that aren't in its pantry highlighted, so that the user knows to add them to its pantry.