**NOVA** NOVA SCHOOL OF SCIENCE & TECHNOLOGY

**Interação Pessoa-Máquina**

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# Track & Taste

## Stage 2: User and Task Analysis

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# Problem Description

People of varying levels of culinary skills want to find new recipes and don't know where to find them. These users prefer recipes that are well received by people that have tried it before. Some inexperienced users might want some help during the process of cooking.

Others want to, instead, share their own recipes they themselves created with other people.

Some people want to track their daily caloric intake, but don't know how many the recipes they are cooking have or don't know how many calories a certain ingredient has. They might also want to contact a nutritionist, but don't know where to look/how to contact one.

# User Classes

The target users for this application would be people interested in cooking that want to learn how to cook and don't know the basics(cooking pasta or rice), share new recipes or find new ones to cook for themselves.

Other users this application could attract would be people who want to look out for their eating habits (or people who already do) and want to find an easy way to track them.

People who might want/need help with their dietary habits but don't know where to find this help could also be inclined to use our application.

# Tasks

## Task 1:

Objective: The user wants to find a new recipe to add to their Recipe Book.

Pre-conditions: The user must be logged in to add the recipe to the Recipe Book, but doesn't need to if he just wants to search one.

Exceptions: A specific recipe for a dish the user wants is not available.

**Hierarchical breakdown:**

0. Be logged in

1. Search a recipe
    1.1. Press the search bar
    1.2. Type the keywords for dish you want to search
    1.3. Press enter or search
2. Scroll until objective recipe is found
    2.1. Sort by calories.
    2.2. Sort by difficulty.
    2.3. Sort by popularity.
3. Click on the dish you want.

4. Locate and click the Add to Recipes button

**Plan 0:** Do 0, followed by 1, then 2, then 3 and then 4.

**Plan 1:** Do 1.1, then 1.2, then 1.3

**Plan 2:** Do 2.1 or 2.2 or 2.3 or none of them.

## Task 2:

Objective: The user wants to share their recipe on the website.

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

Exceptions: The user already has a recipe with this name.

**Hierarchical breakdown:**

0. Be logged in

1. Click on the profile button
2. Click on the upload recipe button
3. Add the recipe's name
    3.1. Press on the title text box
    3.2. Type the envisioned text for the recipe
4. Write the recipe and how to do it

    4.1 Press the Step text boxes

    4.2 Write the description of the step

    4.3 Press the Next Step text box

5. Add the calories and difficulty of the task.
    5.1. Press the Calories box and type the number of calories
    5.2. Press the difficulty meter on the appropriate difficulty
6. (Optional) Add the photo for this dish
7. Press the upload button

**Plan 0**: Do 0, then 1, followed by 2, then 3, then 4, 5, (optionally) 6 and finally 7.

**Plan 3:** Do 3.1, then do 3.2.

**Plan 4:** Do 4.1, then 4.2 and then 4.3.

**Plan 5**: Do 5.1 then do 5.2.

## Task 3:

Objective: The user wants to add a review to a recipe

Pre-conditions: The user must be logged in to review a recipe.

Exceptions: The recipe the user wants to review doesn't exist.

**Hierarchical breakdown:**

0. Be logged in

1.    Search for the recipe you want to review
   1.1.    Press the search bar
   1.2.    Write the recipe's name
   1.3.    Press enter or the search symbol
2.    Press the recipe
3.    Post your review of the recipe
   3.1.    Scroll to the comment section
   3.2.    Click the Add Review button
   3.3.    Press how many stars you give the recipe
   3.4.    Add a title on the title text area
   3.5.    (Optional) Press the body text area and add a body to the review
4.    Press the Give Review button


**Plan 0:** Do task 0, 1, then 2, then 3 and finally 4.

**Plan 1:** Do 1.1, then 1.2, then 1.3.

**Plan 3:** Do 3.1, then 3.2, then 3.3, followed by 3.4 and, optionally, 3.5.


## Task 4:

Objective: Find a nutritionist in the nearby area.

Pre-conditions: None.

Exceptions: User doesn't give location permission.

**Hierarchical breakdown:**

1.    Press the Find a Nutritionist button
2.    Give location permission to the application
   2.1.    In the top left corner of the screen, press Allow
3.    Find the location of a nutritionist
   3.1.    In the map, drag around and look for the pins
   3.2.    Press on a pin to see the info of the nutritionist

4.   Press the Contact button to find more information for this specific nutritionist

**Plan 0:** Do 1, then 2, then 3 and finally 4.

**Plan 3:** Do 3.1 and then 3.2 or simply do 3.2 (if there's already a pin nearby).

## Task 5:

Objective: Track the calories of a recipe.

Pre-conditions: User must be logged in.

Exceptions: Recipe to track doesn't exist.

**Hierarchical breakdown:**

0. Log in

1.   Search for the recipe you want to review
     1.1.   Press the search bar
     1.2.   Write the recipe's name
     1.3.   Press enter or search
2.   Scroll until objective recipe is found
     2.1.   Sort by calories.
     2.2.   Sort by difficulty.
     2.3.   Sort by popularity.
3.   Click on the recipe to track.
4.   Locate and press the Track Calories button.

**Plan 0:** Do 0, 1, then 2, then 3 and finally 4.

**Plan 1:** Do 1.1, then 1.2, then 1.3

**Plan 2:** Do 2.1 or 2.2 or 2.3 or none of them.

# Scenarios

## Scenario 1:

Say I want to find a new recipe to try out. I don't really know exactly what I'm looking for but I know I want something with chicken.

I go to search for this recipe and wait until the catalog returns showing various results within the search parameters.

I scroll for a bit until I find one recipe that seems rather tasty, "Chicken Fricassee". I want to see this recipe's information, so I check out the ingredients needed as

well as time constraints, expected difficulty and the average rating from other users. I want to start cooking, so I'll follow the recipe steps.

After I'm done with all the preparations I enjoy my home-made meal.

## Scenario 2:

Say I want to add one of my family recipes to the app. First I need to login into the app because my previous session has expired. Once I'm logged in I go to the "My Recipes" menu and start creating a new recipe.

I start by filling out the title with "Chocolate & Coconut Pie" as well as the needed ingredients, the time needed and overall difficulty in the respective places. I'll decide to add the steps necessary to make this dish, describing each step with information on how to perform it.

Afterwards, I'll add some pictures from the pies I had already made. I then quickly proofread to catch any errors there may have been, submitting my recipe when I'm finished.

To make sure everything went correctly, I want to find my own recipe. I scroll a bit down until I find the right one by spotting the picture, click on it and confirm that all the info I wrote is present. I take the opportunity to add a review, giving it 5 stars and explaining in the comment that this is a classic family recipe and wish that everyone enjoys it as much.

## Scenario 3:

Say I just finished eating a meal, a dish of "Spaghetti Bolognese" from an user of the app. I want to go to this recipe to add a good review.

I decide to rank it 4 stars, skipping the optional comment as I don't have anything in mind to point out.

Since I am on a diet, I decided to track the calories of this meal. I also want to save it for later in case I am feeling hungry for more.

Finally, I want to check if the calories have been correctly added, so I go to the tracker's page and check if anything was added.

# Interview Feedback

In order to research more for this project, we conducted interviews on different types of possible users of this application.

When asked what applications the users use to find new recipes, we found that mostly are results from different websites, like the Bimby website. This, as they said, would lead to excessively thorough and time-consuming searches that could lead to them giving up in finding a new recipe, so they added that the searching for new recipes should be easy, suggesting that there should be a good filtering system (like salty/sweet dishes, main dishes, desserts…). It was pointed out that dietary restrictions can also influence whether they choose or not a certain recipe, so that should be another filter to add.

Users like the fact that you are allowed to save recipes, so this should be a feature we focus on. They added that they should be allowed to change the quantities of ingredients depending on the portions intended to cook, and save these changes for the future.

Some users specified that they should be able to "import" recipes from somewhere else, which could also be implemented in this application.

Users like the simplicity and objectiveness of good recipes, so a good review system to "boost" the influence of recipes that follow these patterns would be something to look out for.

When asked about adding new recipes to any application, users pointed out how important it is that they add some images of the dish in question and the rest of the information about the dish itself should be easy/intuitive to add, like the steps, time and ingredients needed.

In conclusion, now that we had positive interactions with would-be users of our application, we feel like we are heading in a good direction as to what our application should and should not implement.