

**Interação Pessoa-Máquina**

**2022/2023**

## **Deadline Savers**

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### **Stage 6: Evaluation results and presentation**



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December 2022

# Evaluation

Table 1 - Evaluation by our colleagues to the project.

Problem	Heuristic	Description	Severity	Solution
1 - Button to delete the pantry	Aesthetic and Minimalist Design	The button icon used to delete the pantry is generally used to take you to the settings page. In this way, it does not follow its standard usage and surprises the user.	3	Change the icon of the button.
2 - Users cannot edit products after adding them	User control and Freedom	No possibility to edit a faulty product when creating it. If, for instance, it was created 4 products and the fifth was faulty, his only solution is to cancel the action and start over again. The same problem occurs on Recipes Page and in the Pantry page as well.	4	Give users the opportunity to edit the products.
3 - Button to add new recipes	Consistency and Standards	Unlike the other buttons for adding something in the application, the button for adding a recipe is on the left side instead of the right.	1	Change the position of the button for the right side.
4 - Infinite loop	User control & Freedom	When the user is in the "my products" page, and already has products and recipes in his pantry and chooses to cook a recipe clicking the button on the right side (fork and knife button) it opens the recipes page, and if the user wants to go back to the "my products" page, he cannot do it because there is no way to go back. Even if he clicks the "my products" page button on the bottom tab it will always show the recipe page, in other words the page is no longer accessible after doing that.	4	Give the user the opportunity to cancel the action.
5 - Shorten stock with negative values	Error prevention	It's possible for a user to enter a negative value whilst withdrawing a product from the pantry which will do the opposite from what is expected, the user will be able to add to the pantry instead of subtracting from it.	3	Not allowing the user to insert negative values when decreasing a specific product's stock.

<b>6</b> - Stock doesn't stack	Visibility of system status	When a user wants to increase a stock from a product, if he selects the same expiration date as the product that is already on the pantry, instead of stacking the new stock with the old one, it creates a new line for the same product with the same expiration date and the value of the new stock.	3	Have some way to filter the products by expire date and name
<b>7</b> - Long names do not appear fully	Visibility of system status	On the "My products" and Restock pages, if the user inputs a long name for a product, it may not appear completely, which can lead to frustration and confusion due to not being able to recognize products just by looking at it, if for some reason the user has more than one product that begins the same way.	2	Limit the size of the name
<b>8</b> - System State	Visibility of system status	Lack of information when there is no product registered.	1	Add a short-text message box informing the user that he has no products registered.

## Proposed solutions and justifications

### 1. Button to delete the pantry

**Their solution:** Change the icon of the button.

**Our solution/Design decision:** Our intention was to simulate a settings screen, where the user would have more than one option rather than delete his products from the application. For this option, we used other existing applications as inspiration (eg. the android system settings) whose reset can be carried out in the settings.

### 2. Users cannot edit products after adding them

**Their solution:** Give users the opportunity to edit the products.

**Our solution/Design decision:** As stated in the incompleteness section of report 5, this was a feature that remained to be implemented. In addition, the user can always cancel the addition of products if he makes a mistake when clicking on cancel.

### 3. Button to add new recipes

**Their solution:** Change the position of the button for the right side.

**Our solution/Design decision:** In the recipes screen the add button is in the left side so we wouldn't cover the recipe picture. In the products list, the three buttons are in the right of the screen so we wouldn't cover the product name. Different screens with different needs and for that reason we decided to don't be consistent.

### 4. Infinite loop

**Their solution:** Give the user the opportunity to cancel the action.

**Our solution/Design decision:** The application allows you to go back using the device's native commands. However, and bearing in mind that we did it on other screens, we could have added a back button.

### 5. Shorten stock with negative values

**Their solution:** Not allowing the user to insert negative values when decreasing a specific product's stock.

**Our solution/Design decision:** The same as suggested.

### 6. Stock doesn't stack

**Their solution:** Have some way to filter the products by expire date and name

**Our solution/Design decision:** We do not agree with the solution presented because it would not solve the problem. The solution would be to verify if the expire date was the same as the existing product and, in that case, accumulate the quantities instead of adding a new line.

### 7. Long names do not appear fully

**Their solution:** Limit the size of the name

**Our solution/Design decision:** The user has the possibility to access the product information if he holds his finger on the product in the table like mentioned in section "Funcionalidades" of the previous report. In addition, since all screens have a character limit, it would be impossible to prepare the table to receive words of any size.

### 8. System State

**Their solution:** When there is no product registered, simply add a text saying to add a new product to make a new recipe

**Our solution/Design decision:** The same as suggested.