

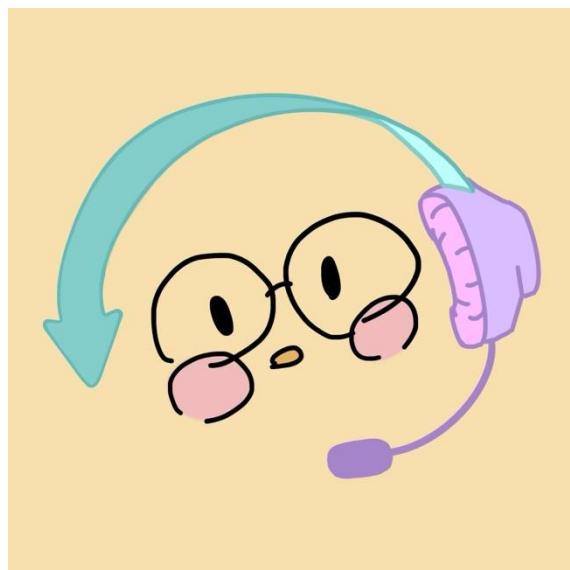
**Interação Pessoa Máquina**

**2025/2026**

**SYNC**

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**Stage 5: Heuristic evaluation**



Grupo: Nº 5

**Realizado por:**

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**Lab class Nº P1**

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# O Projeto

Nº	Problema	Heurística	Descrição	Severidade	Solução Proposta	Imagen
1	Empty homepage shows no message.	System status visibility	The homepage, when there are no items, appears completely empty, without any indication. The user is left wondering if it's an error, if it didn't load, or if there really are no items.	3	Display a message such as: "No items in the refrigerator".	Fig1
2	Inconsistent and error-prone units	Error prevention	The system allows entering quantities with inconsistent units (e.g., "3 apples in L") because it does not validate the unit type according to the item category.	4	For each category (meats, fruits, drinks, etc.), associate valid units (kg, pieces, L) and prevent incorrect combinations.	Fig2
3	The "Add item" button does not work after setting up a profile.	Control, freedom, and consistency.	After setting up a profile in the settings, when trying to add an item, the button stops redirecting and does not add owners. The flow gets blocked.	4	Fix the navigation bug; ensure the owner is loaded; allow adding items even after initial setup.	Fig3, Fig4 e Fig5
4	Possibility to enter previous dates.	Error prevention	The system allows you to enter expiration dates that are earlier than the current date, which is generally undesirable and creates inconsistencies.	3	Block dates prior to the current date and display an error: "The date must be after today".	Fig6

5	Increasing quantity doesn't work well.	Consistency and standards	The "+" button only adds a digit visually (e.g., transforms 1 into 11), but does not increment the actual value. The "-" button works correctly.	3	Correct the increment function to increase numerically (1 → 2 → 3...). Validate the field after increment.	Fig. 7
6	Lack of functionality for removing used ingredients.	Real-world compatibility and flexibility	The user can add ingredients, but there's no easy way to indicate that they've already been used (removed from the refrigerator).	2	Add a "Remove" or "Used" button to the item to automatically update quantities or remove it.	Fig. 8
7	Changing fridges requires clicking the app logo in the corner	Consistency and Standards	On the fridge's main page, the only way to switch to another fridge is by clicking the small app logo in the corner. Users do not usually associate a logo with changing contexts, making the feature hard to discover and unintuitive.	3	Add a clearly labeled option such as "Change Fridge" or "My Fridges" to the page.	Fig. 9

Data de Entrega do Projeto para avaliação: 24/11/2025 pelas 22:00

Data de Envio do Relatório: 30/11/2025 pelas 20:00

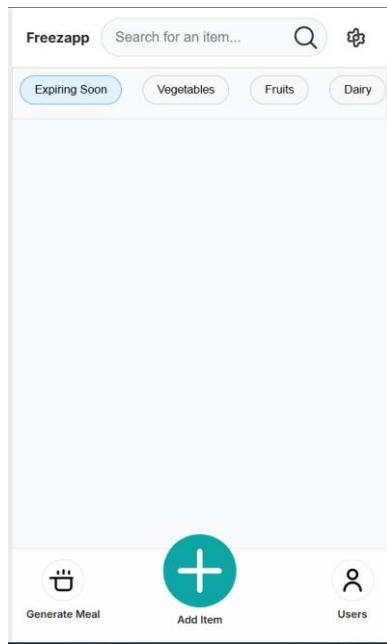


Figura 1

This is a detailed view of the "Add item" screen. It includes fields for "PRODUCT NAME" (filled with "maças"), "EXPIRATION DATE" (set to "08/12/2025"), "CATEGORY" (set to "Fruits"), "QUANTITY" (set to "3"), and "UNIT" (set to "ml"). A dropdown menu for "Select Unit" is open, showing options: ml (selected), g, l, kg, and pcs. Below these fields are sections for "OWNERS" (checkboxes for "Chico" and "Neymar", both checked) and "Scan" and "Manual" buttons at the bottom.

Figura 2

This screen shows the "Settings" section with a back arrow. It has a title "Select your user profile:" and two options: "Chico" (which is highlighted with a blue background) and "Neymar".

Figura 3

This is another view of the "Add item" screen. It shows the "OWNERS" section where both "Chico (You)" and "Neymar" are checked. There are also "select all" and "deselect all" buttons. The "Scan" and "Manual" buttons are at the bottom.

Figura 4

alface	2025/11/06
Owners: -	1 kg
Beterraba	2026/02/13
Owners: -	4 pcs

Figura 5

leite	2025/10/03
Owners: -	2 pcs

Figura 6

[←](#) **Generate meal**

Select items you want to use:

select all

Milk	2025/11/05
Owners: Marta	200 ml

Eggs	2025/11/26
Owners: Marta	2 pcs

Sagres Beer	2025/11/31
Owners: Dad	1 l

For how many people? - 4 +

Use only selected items

**Generate meal**

Figura 7

[←](#) **Generate meal**

Select items you want to use:

select all

Milk	2025/11/05
Owners: Marta	200 ml

Eggs	2025/11/26
Owners: Marta	2 pcs

Sagres Beer	2025/11/31
Owners: Dad	1 l

For how many people? - 41 +

Use only selected items

**Generate meal**

Figura 8

**Freezapp** Search for an item...

Expiring Soon Vegetables Fruits Dairy

fewfsdgg	2025/11/04
Owners: -	4 pcs

Milk	2025/11/05
Owners: Marta	200 ml

Eggs	2025/11/26
Owners: Marta	2 pcs

Sagres Beer	2025/11/31
Owners: Dad	1 l

Generate Meal      Add Item      Users

Figura 9