



FACULDADE DE  
CIÊNCIAS E TECNOLOGIA  
UNIVERSIDADE NOVA DE LISBOA

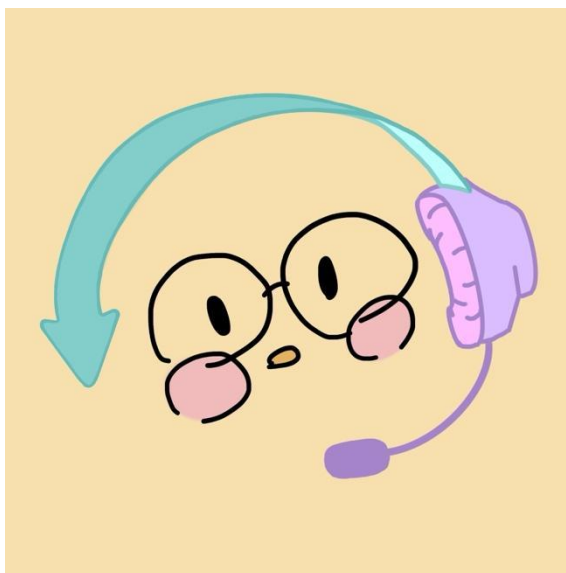
Interação Pessoa Máquina

2025/2026

# SYNC

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## Stage 5: Heuristic evaluation



Grupo: Nº 5

**Realizado por:**

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**Lab class Nº P1**

**Professor:**  
Teresa Romão

November 30th, 2025

# O Projeto

Nº	Problema	Heurística	Descrição	Severidade	Solução Proposta	Imagem
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

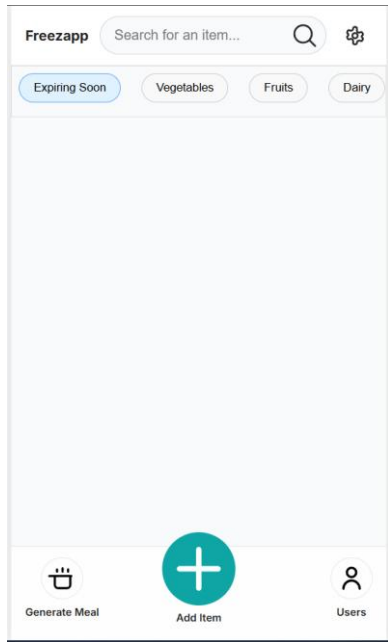


Figura 1

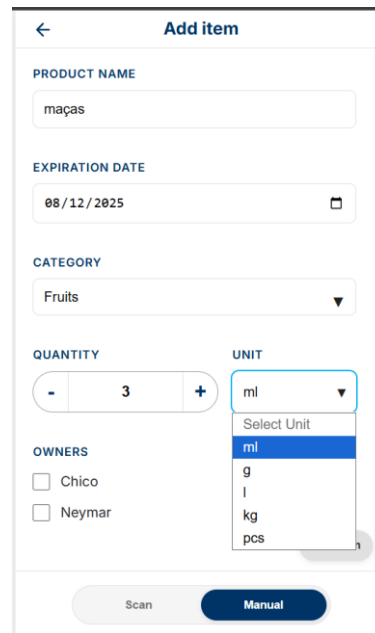


Figura 2

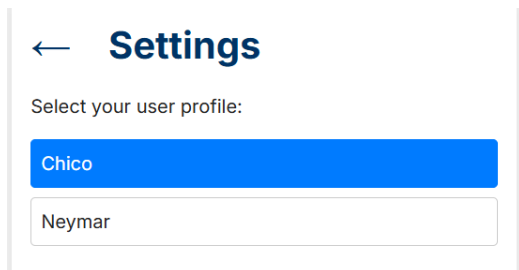


Figura 3

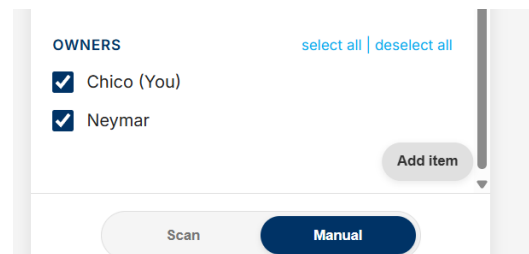


Figura 4

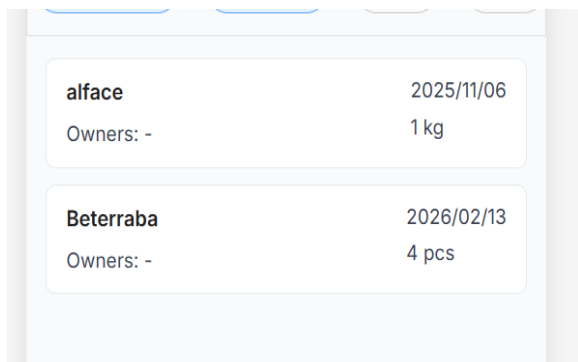


Figura 5

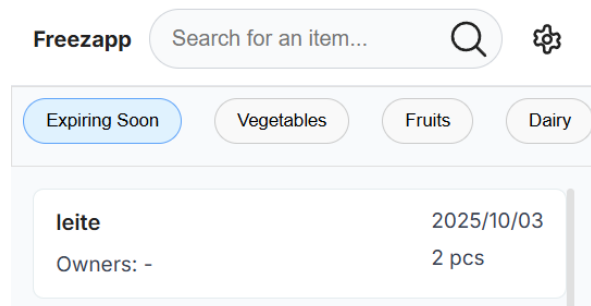


Figura 6

←

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