



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina
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FreezApp

Stage 4: Functional prototype



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1. URL for prototype:

- <https://freezapp.djozwik.cc>

2. Startup instructions:

1. Open link.
2. Join a pre-made scenario-specific fridges (codes below) or create a new one.
3. Enjoy.

3. Briefing

We are developing FreezApp to solve a common problem that affects busy professionals, family managers, and students: food waste caused by forgotten frozen items and the inability to track what's actually in your freezer and when it expires. We've seen how easy it is to lose track of frozen food, leading to wasted money and unnecessary trips to the grocery store. That's why we're building FreezApp as a dedicated inventory management app for your freezer. Our goal is to make it effortless for users to manage their freezer stock, track expiration dates, and reduce food waste. We're also designing the app to generate useful meal and shopping suggestions based on what users already have, helping them save money and make the most of their existing inventory.

4. Scenarios

- Scenario 1

You are Anna, a busy software engineer who just finished grocery shopping. To ensure you don't waste the food later you want to save info about 4 apples and 1 kg of flour you just bought, making sure to include the proper expiration dates. (Suppose apples expire in 13 days.)

Info:

In this scenario you can create a new fridge in the start menu of the prototype.
After creating a fridge, it's code can be found at the end of the URL.

- Scenario 2

You are Marta, managing meals for your family of four. It's Sunday morning, and you want to plan the meals for the upcoming week based on what you already have in the freezer. Some products may be nearing their expiration date, so you definitely want to use them up. You open FreezApp on your tablet to review the contents of your freezer, then use the app to see what dish you can make with it and create a shopping list for any ingredients you need to buy to complete that meal.

Pre-made fridge code you can paste in "Join Fridge" to start the scenario:

00bedb62-705a-4ab7-b8ce-9c91df96ff08

- **Scenario 3**

You are Cristoph, living with three roommates and sharing a freezer. You're planning a movie night tonight. Before heading to the store to buy any snacks, you want to see what you have and what everyone else already has in the shared inventory. You go to a store and buy an 8-pack of beer and 2 bananas. You want to add them to your inventory in the freezer. (Suppose the bananas expire in 4 days)

Pre-made fridge code you can paste in "Join Fridge" to start the scenario:

2fc84bc4-15fa-4cdc-ae70-b730f3f0cef6

5. URL of project:

- <https://ipm.djozwik.cc>

6. Implemented functionality:

- Fridge creation
- Fridge joining
- Manual item adding
- Barcode scanning in Item Adding
- Item searching and filtering by type
- Item filtering by user
- Selecting items for meal generation
- Simple settings view (not complete)
- Opening the fridges you already joined

7. Not-implemented details of the prototype

Those do not stop one from going through all our scenarios.

- In "Generated meal" view you can see only a dummy recipe view while all design aspects are visible or indicated.
- You cannot edit the people in your fridge group in the settings after fridge creation.

8. Tools used to develop

All tools were used to help develop the code part of the project as a website.