

Findlt Shopping made easier.

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Orientadores

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Context

What is it?

State of the Art

Personas

System Architecture

WOW features

Indoor positioning

Survey









Choosing where to shop is time-consuming

Finding products in storescan be difficult

Cumbersome shopping lists









Simplifies shopping list management

Compares prices and suggests products

Optimizes time and navigation in supermarkets

Facilitates stock replenishment and product location

Manages products, promotions, and optimizes store organization





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State of the Art

Feature	Kabaz	Bring!	Findlt
List supermarkets nearby		×	
Compare prices among markets			
Create groceries list			
Find path inside the store	×	×	
Get recommended products	×	×	
Get consumption patterns & data	×		
Multi-modal interaction	×		



Actors & Personas

Matilde, 68 Client



Wants to find products easily, w/o looking for them Wants to be efficient in stock replacement

Artur, 30 Stock Replacer

Osvaldo, 45 Supermarket Admin



Wants to increase efficiency & optimize the supermarket



Functional Requirements and Use Cases

Create and manage the **shopping list**

Recommend products based on previous purchases and current list

Recommend shopping list based on past lists

Add products to lists using **multimodal input** (touch, voice, natural language)

Support **collaborative** shopping lists with multiple editors

Show the **cheapest brand/store** for each product

Show the **most efficient path** in the supermarket based on the current list

And 17 more







Architecture













WOW Features Recomendations

Get recommended products right to your shopping list.





Grocer	ies List	\$ \$	\leftarrow
Q Search	Products		
Almond B	ased Drinks	^	
AMENDOA	Sem Açúcares Amêndoa Alpro		
0	11	1.18€	



WOW Features Voice Mode





Sentence Transformers







WOW Features Raw List





Sentence Transformers







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WOW Features List friends

Share your list with your friends so you can **collaborate together**.



Selecting a shared list





Sharing a list

with someone



Indoor positioning wow, navigation







I am at the supermarket, what now?





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Indoor positioning Deploying to another locations

There's a new supermarket, what's the next step?

Create/Get a vectorized map plant



2 Find best positions for the ESP32 devices







Transform into GeoJSON

1	{
2	"type": "FeatureCollection",
3	"features": [
4	{
5	"type": "Feature",
6	"geometry": {
7	"type": "Polygon",
8	"coordinates": [
9	
10	[-8.660046962434233, 40.63313811631854],
11	[-8.660048819747457, 40.63313811631854],
12	[-8.660046962434233, 40.63313564347258],
13	[-8.660046962434233, 40.63313811631854]
14	
15]
16	}
17	},
18	• • •
19]
20	}



Survey at students@DETI

77,8%

of questioned people go to supermarket weekly

4.67 5

overall rating **out of 5 stars**



of questioned people think that is **useful to have all this features in a single app** rather than 2 separated apps







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User Experience

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Y Thank you!

Visit our microsite at findit-app.pt or by scanning the QR code.

Thank you to everyone who supported us — this project was only possible because of you!







Goals Achieved



Where We Excelled







