M2

FindIt

Shopping easier.

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Project Context Now

- Choosing where to shop is time-consuming
- Finding products in stores can be difficult
- Cumbersome shopping lists

State of The Art (SOA) Now

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

Questionary Report - 233 answers

48,5%

of questioned people **avoid unfamiliar supermarkets** due to difficulty finding products.

54,1%

of questioned people **stopped buying products** because **they couldn't find them**.

200 of 233 people

said that **they would use FindIt**

Actors & Personas Who?

Artur, 30

Stock Replacer

Wants to be efficient in stock replacement

Matilde, 68

Client

Wants to find products easily, w/o looking for them

Osvaldo, 45

Super. Administrator

Wants to increase efficiency & optimize the supermarket

Functional Requirements What?

Artur, 30

Stock Replacer

Wants to be efficient in stock replacement

In-store stock replacement

- Show the most efficient route based on the replacement list
- Choose which packages should be stocked first

Functional Requirements What?

Matilde, 68

Client

Wants to find products easily, w/o looking for them

Shopping List Management

- Browse products from multiple supermarkets
- Create and manage shopping lists
- Suggest items based on past and current lists

Supermarket Trip

- Get directions to the recommended supermarket using a nav app

In-Store Shopping

- Show the most efficient route based on the current list

Functional Requirements What?

Osvaldo, 45

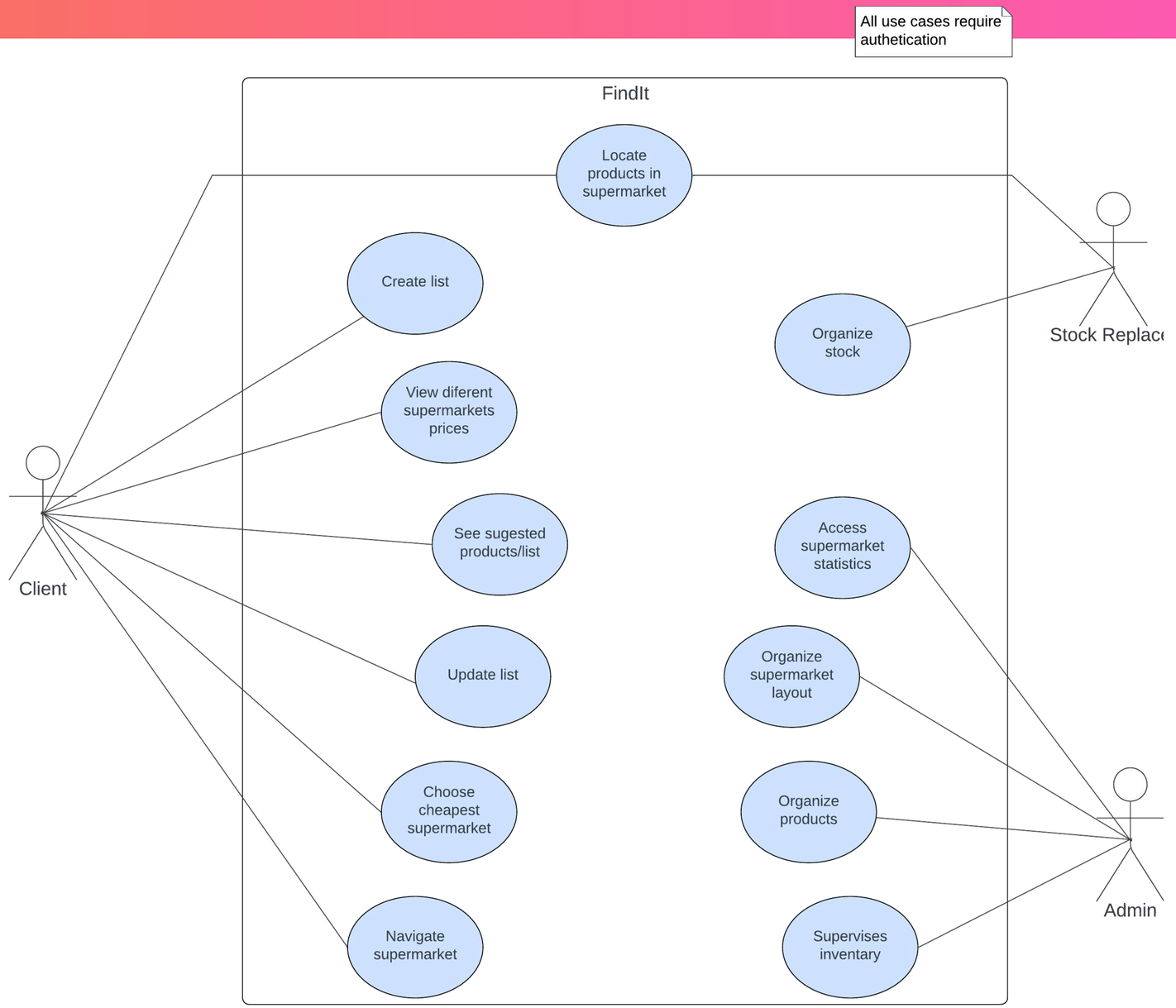
Super. Administrator

Wants to increase efficiency
& optimize the supermarket

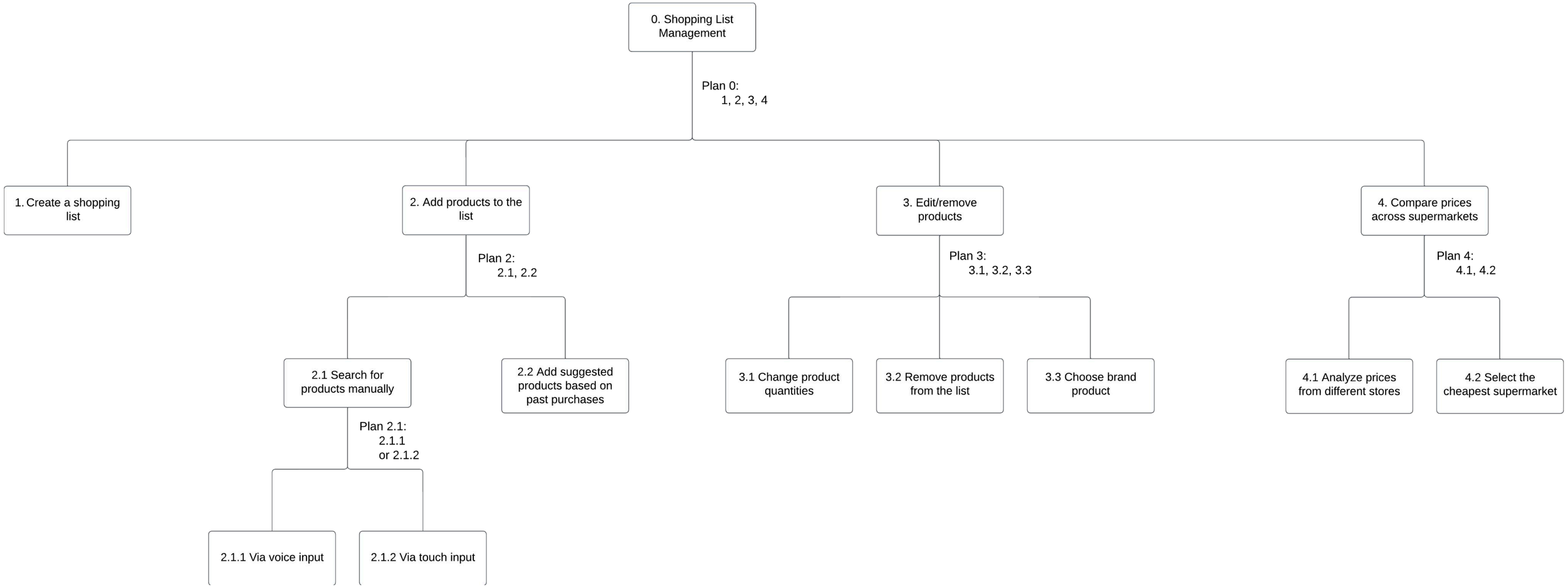
In-Store Shopping

- Get the best supermarket layout based on client usage
- Show which products clients buy more

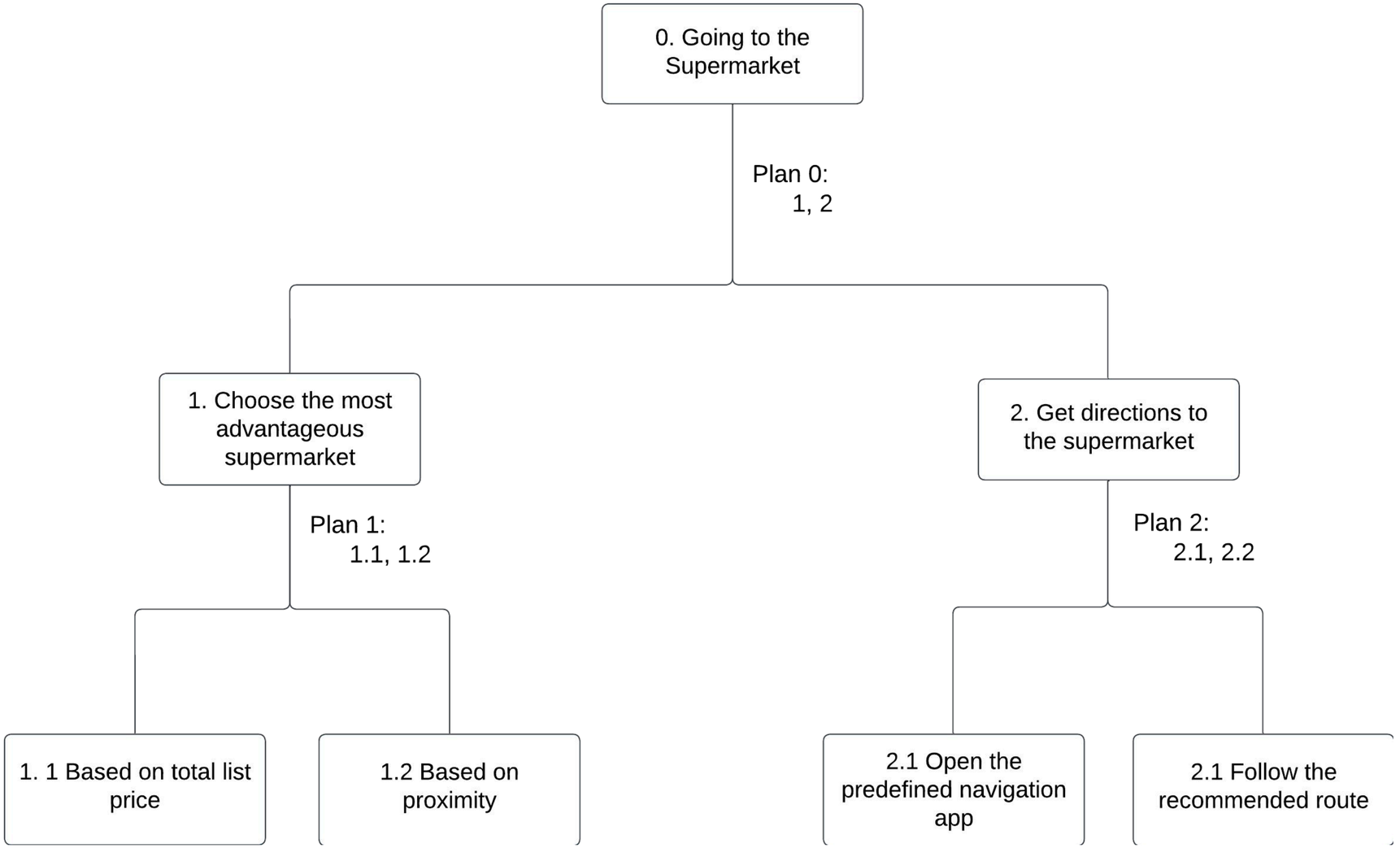
Use cases How?



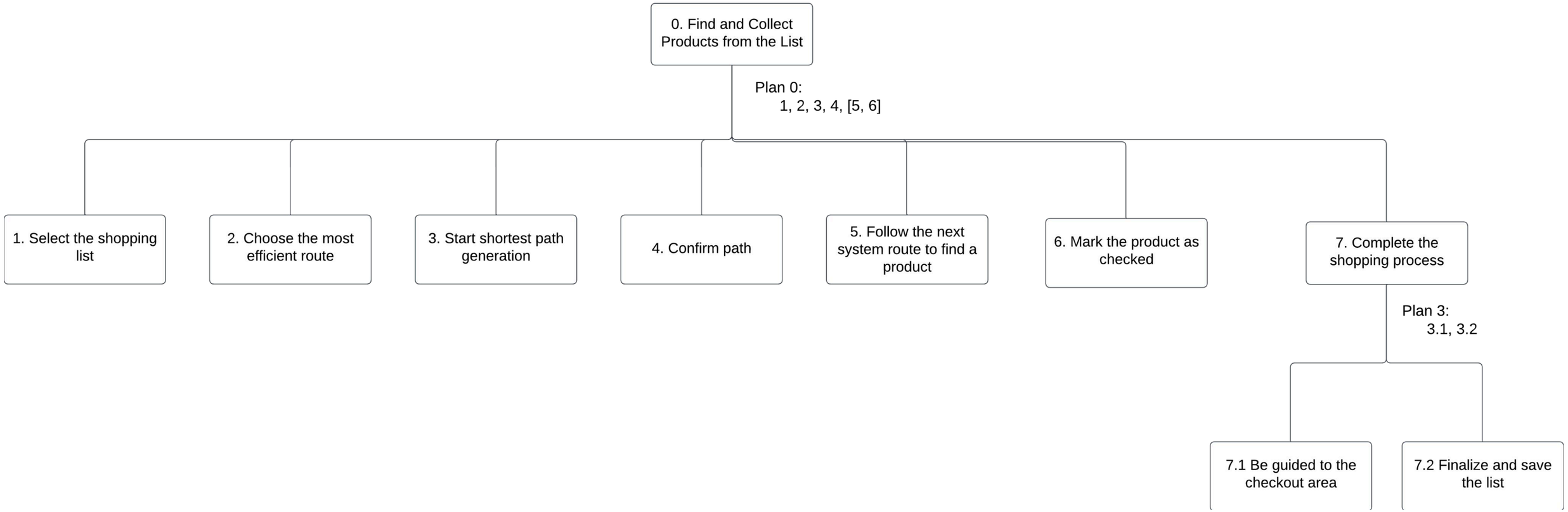
Scenarios


0. Shopping List Management
Plan 0:
1, 2, 3, 4
1. Create a shopping list
2. Add products to the list
3. Edit/remove products
4. Compare prices across supermarkets
Plan 2:
2.1, 2.2
Plan 3:
3.1, 3.2, 3.3
Plan 4:
4.1, 4.2
2.1 Search for products manually
2.2 Add suggested products based on past purchases
3.1 Change product quantities
3.2 Remove products from the list
3.3 Choose brand product
4.1 Analyze prices from different stores
4.2 Select the cheapest supermarket
Plan 2.1:
2.1.1
or 2.1.2
2.1.1 Via voice input
2.1.2 Via touch input

Scenarios


0. Going to the Supermarket
Plan 0:
1, 2
1. Choose the most advantageous supermarket
2. Get directions to the supermarket
Plan 1:
1.1, 1.2
Plan 2:
2.1, 2.2
1. 1 Based on total list price
1.2 Based on proximity
2.1 Open the predefined navigation app
2.1 Follow the recommended route

Scenarios


0. Find and Collect Products from the List
Plan 0:
1, 2, 3, 4, [5, 6]
1. Select the shopping list
2. Choose the most efficient route
3. Start shortest path generation
4. Confirm path
5. Follow the next system route to find a product
6. Mark the product as checked
7. Complete the shopping process
Plan 3:
3.1, 3.2
7.1 Be guided to the checkout area
7.2 Finalize and save the list

Non-functional Requirements Needs

Usability:

Perform the tasks considered for our scenario with ease and satisfaction, based on specific metrics like SUS score above 75.

Performance:

Optimize backend, frontend, and rendering for loading pages under 4 seconds.

Security:

Protection of user data and supermarket information.

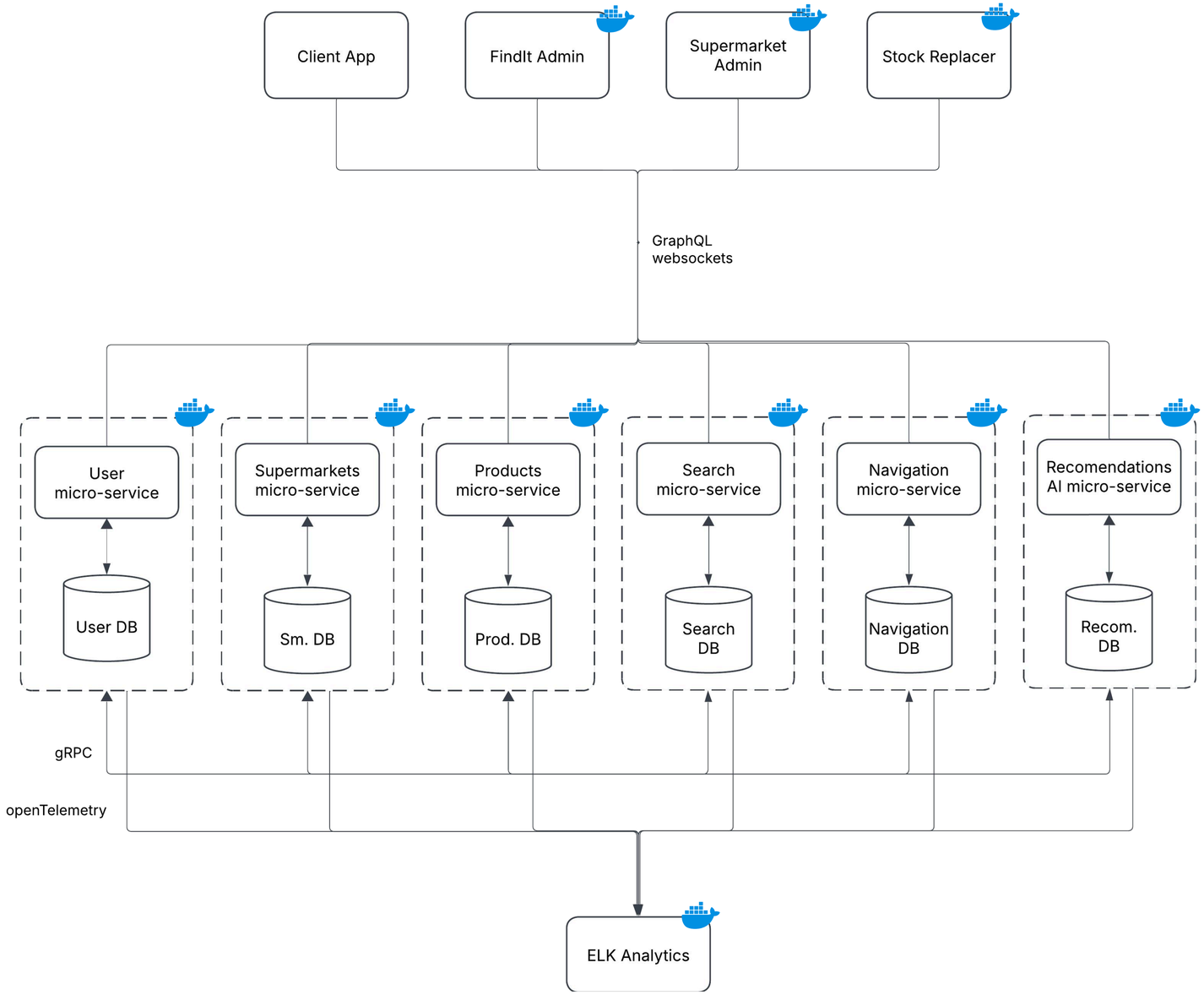
Compatibility:

Cross-platform availability

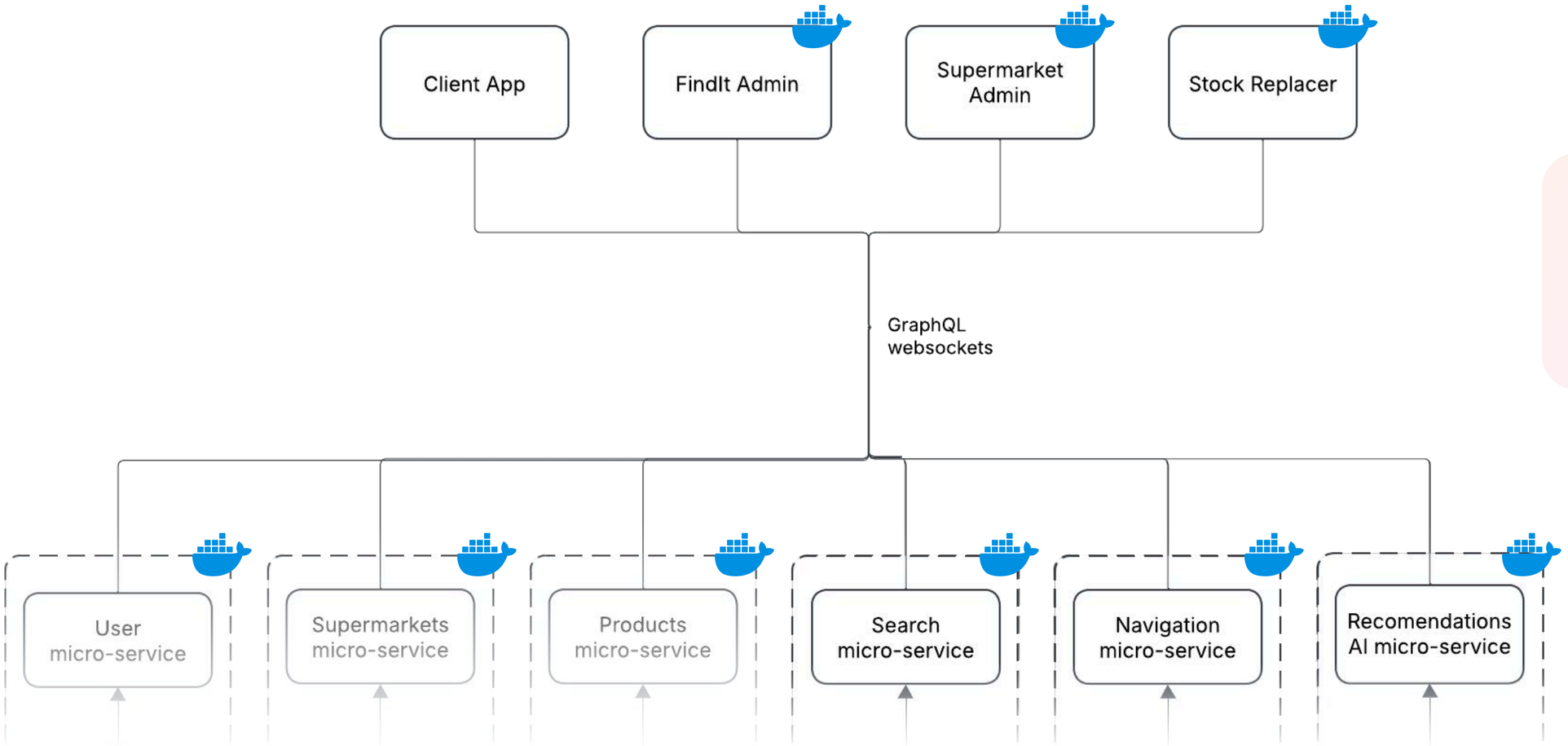
Mock-up As Matilde....

As Matilde

Architecture Where?



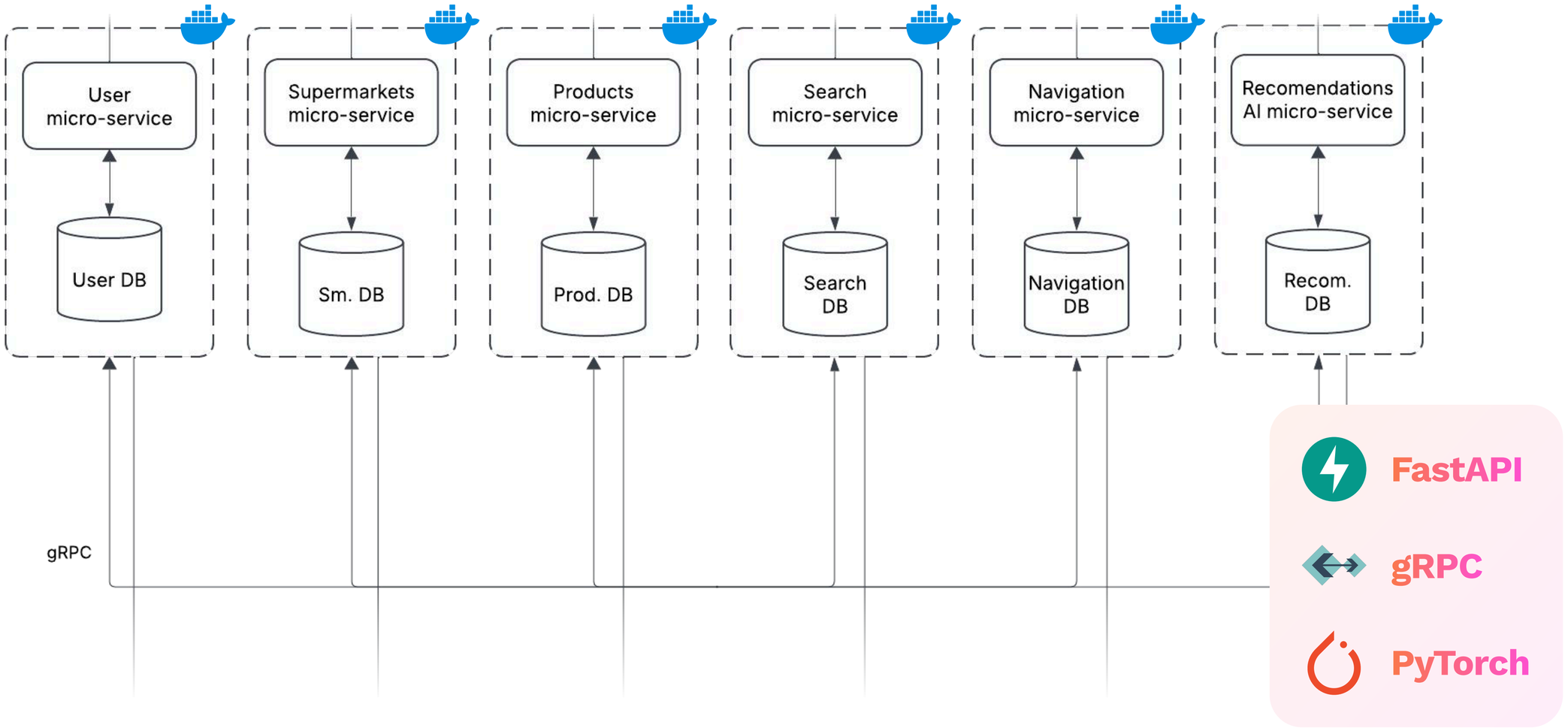
Architecture Where?



React

Expo

Architecture Where?



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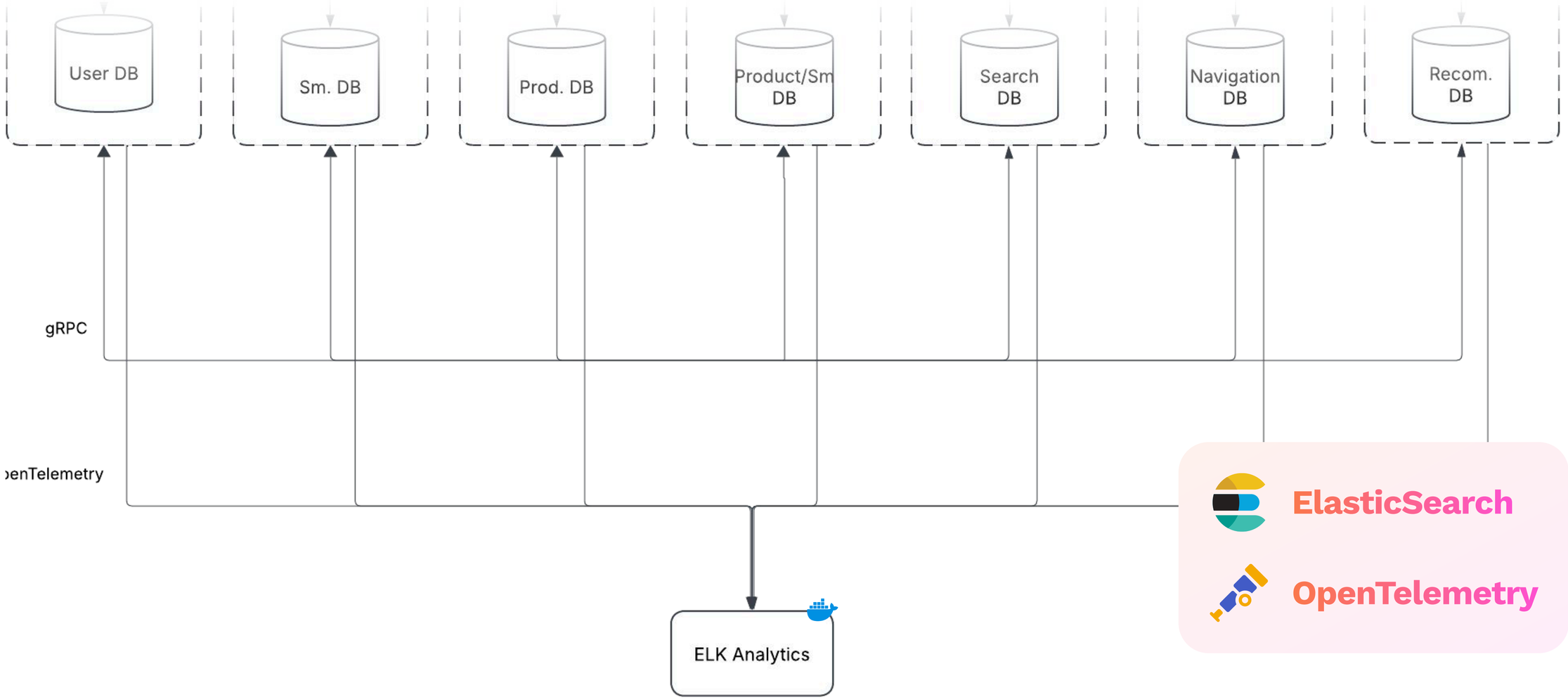

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