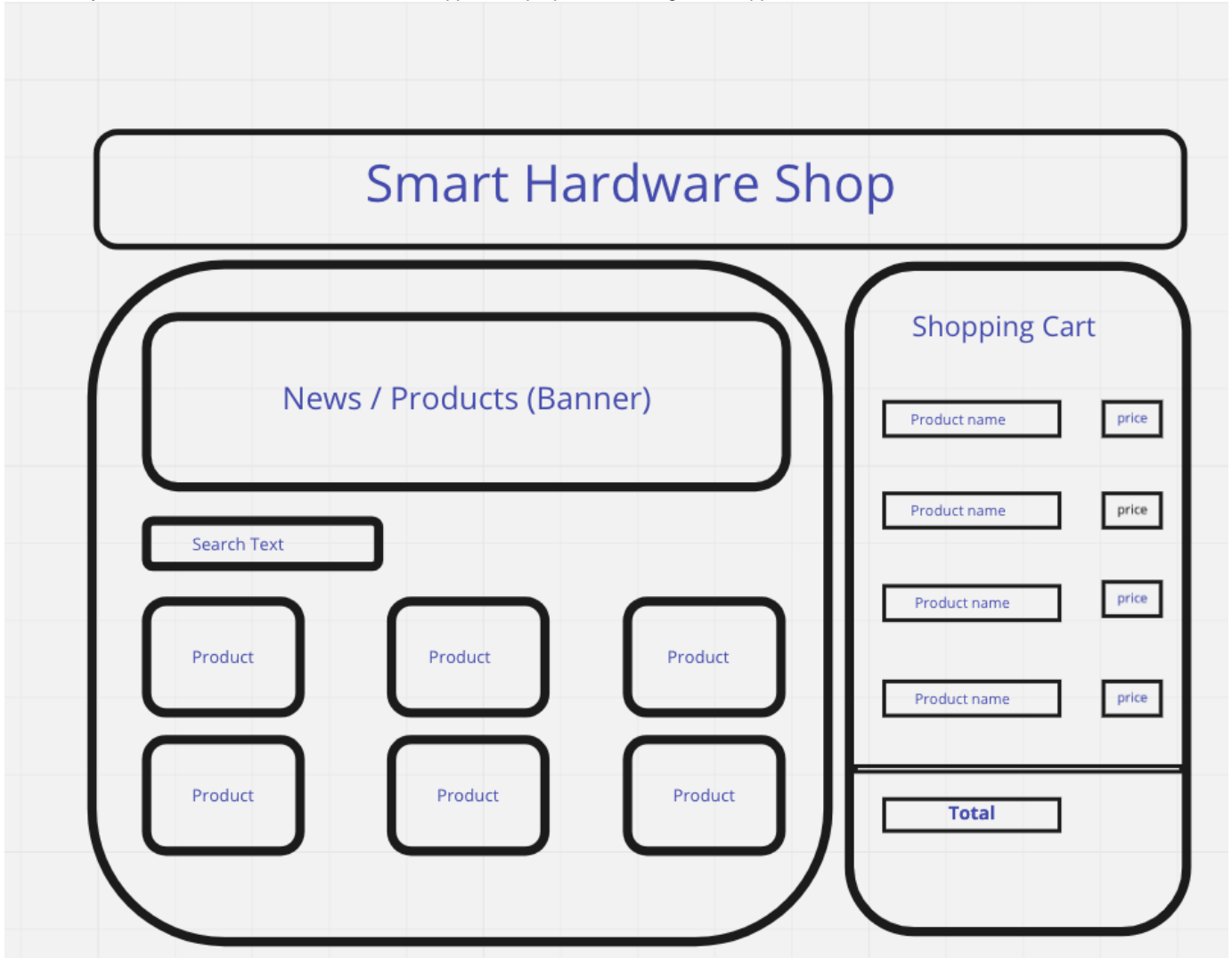


## Backend Case

The hardware store Hardware realises that online shopping has gotten popular and wish to offer their products through an online shop. We have an UI ready and now need some backend APIs to support the proper functioning of this application.



### Instructions

Try to keep these points in mind while you approach the solution.

1. Consider you have two roles **ADMIN** and **CUSTOMER**.
  - a. Only admins can **add, update, delete** products to catalogue.
  - b. Similarly, the news can also be added by admins only.
2. The application gets a list of products.
  - a. The products may have a name, description, price etc.
3. We supports a shopping cart functionality for **CUSTOMER** role. Customers can add products here from the catalogue to their cart.
4. A customer can have **multiple** orders.
5. We might need an order summary on checkout. It may contain information like **items, cost, etc.**

### Bonus

1. Consider we have 5000 products in catalogue, we might need a filtering option in the API as well.
2. The filter can work on product name as free search.

3. We can think of having pagination support in API.

## **Deliver**

1. Source code - git repo.
2. Running application. README should contain instructions for how to run the app locally and verify that it behaves as expected.