

## Module 3 – CRUD Operations

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### Case Study - 2

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## Business Requirement

You are working on a Contract for a Grocery Store Company which is in Middle East. Your expertise is needed to help them in designing their product catalog store. Products are in millions and your task is to design scalable catalog system.

Below mentioned functionality needs to be implemented:

1. CRUD on Product
2. Get product by Category
3. Get Product by Brand
4. Get Product by Seller Code

## Key issues

More products attributes can be added anytime.

## Considerations

You have given various attributes of a Product.

1. Poid
2. Supc
3. Brand
4. Description
5. Size
6. Category
7. Sub Category
8. Price
9. Quantity
10. Country
11. Seller Code
12. Creation time
13. Stock

## Data Volume

1 million products

## Business Benefits

If the Catalog is scalable, then more and more vendors can be on boarded which will results in a variety of products with different prices. Customer will have more choices and chance to purchase from Grocery Store.

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