

Module 4 – Indexing & Aggregation Framework

Case Study - 2

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Business Requirement

You are working on 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.

In previous case study while fetching data by various product attributes your manager observed it is taking too much time. So, he asked you to fix this issue as soon as possible so system can work without any delay.

Filters which you are using currently are:

1. Supc
2. Pogl
3. Brand
4. Category

There can be multiple as well.

Key issues

More products attributes can be added anytime.

Considerations

You have given various attributes of a Product.

1. Pogl
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 result in a variety of products with different prices. Customers will have more choices and chance to purchase from the Grocery Store.

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