

Technical Test

Self-service Business Intelligence gives users the ability to build their own report. They can choose a data source and perform one-click conversion to any type of chart. Another objective of the Self-service BI implementation is to give the users more freedom and responsibility at the same time. One of the reasons why we want to adopt self-service solutions is to address the challenge of business departments to have access to data and information anytime and anywhere. But to achieve this condition we should create the foundation for self-service, so end users don't need to understand the underlying structure of the database schema they're using. Therefore, striking the right balance between flexibility and setting and adhering to certain data and analytical standards is a crucial element in the success of self-service BI projects. In theory, Self-service Business Intelligence appears to be relatively straightforward but, in practice, there are some serious problems because self-service only makes sense if speed increases without compromising trust in data.

Requirement

1. Objective:

- Provide stock movement dashboard so users can monitor stock movement by warehouse, tenant, customer, time and location. User will be mostly WH supervisors, WH managers, and Account Manager Team

2. User Story:

- As a warehouse manager I want to monitoring stock movement in daily basis so we can measure remaining stock in the warehouse
- As a warehouse manager I want to know inventory turnover ratio to prevent out of stock and prevent low inventory turnover ratio rates in the warehouse

3. Data Requirements:

- Attached file

Questions

1. What are your strategies to enable self-service analytics in the company?
2. Please create a data warehouse schema and explain your steps!
3. Please create dashboard mock-ups for these use cases! (at minimum you can provide stock movement dashboard)
4. Give us top 3–8 interesting insights you could find from those dataset?
5. Top 5 metrics to define the success of this product, what, why and how would you choose?