



Supermarket Database System

Jeconiah, Sunny, Lukman, Mario



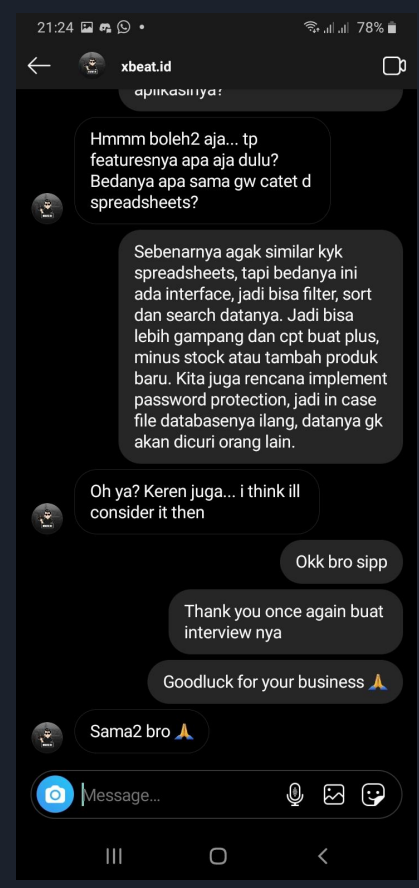
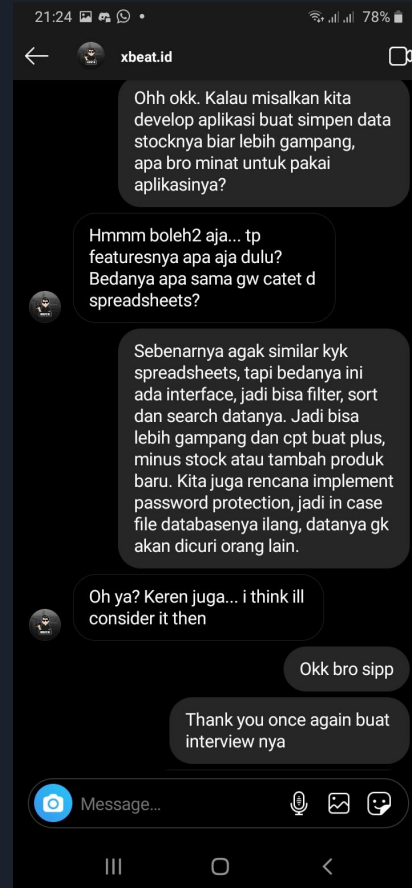
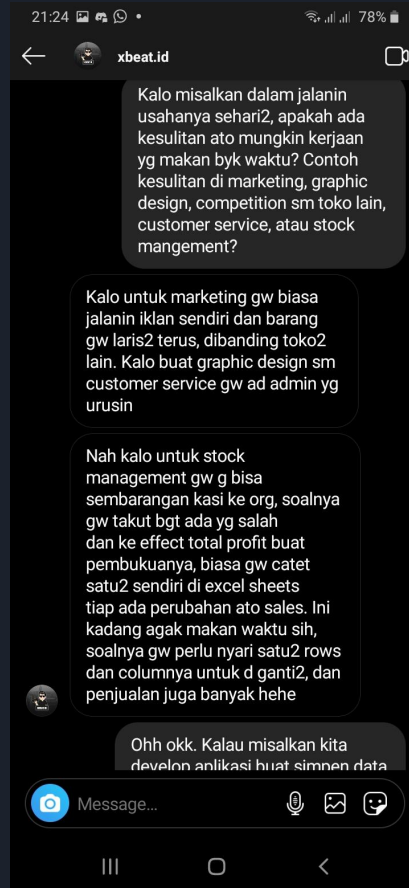
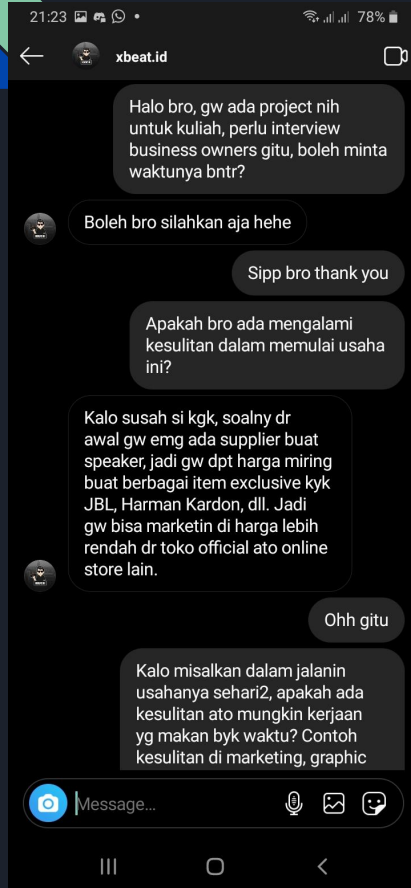
Interview & Problem

From our recent interview with a local online store owner, we found out that some online store owners have difficulty in managing the stocks of their products.

It is often difficult for them to add and/or remove stock counts from their records, for example in spreadsheets where there are hundreds of data present. It will be a burden to look for the right rows and columns to modify, and this may sometimes result in inaccuracy of data at the end of the trading period.

This is a simple yet annoying issue for most business owners, as this may cause inaccurate financial reports.

Interview Screenshots





Solution

Our solution from this problem is to make a Supermarket Management System (using Database system as well). This system will help the users track and control their products accurately.

Target Users: Small to medium business owners



Project Scope

This Supermarket Management System consists of :

- A system for identifying every item and its associated information (description, products expiry date).
- Inventory Management Software (Database System). This system keeps a detailed record of each new or returned product as it enters or leaves the Supermarket.
- Securely store, update, search all the products and the stocks.
- Each employee/staff has their own account (they can manage the products easily).
- Documentation and reporting. (The data can be exported from database to CSV file).
- Reminder system (reminds the user to reorder the products).



Unique Selling Point Compared To Current Solutions

The database system works very similarly to a spreadsheet. However, unlike them:

1. The database system is password protected, thus, it's not possible for non-admins to modify the results in case the data file is stolen
2. The system is able to filter the data based on selection or search, which will be useful for businesses with a lot of data
3. Unlike spreadsheets, modifying the data do not require the user to modify a single cell at a time, which requires them to do the math, instead, we have a built-in add or minus stock count interface to calculate for the remaining stock automatically. This decreases the amount of time the user needs to input new data.

Table Relationship

