E-Commerce Management System

Thesis:

You were asked to create an application for managing various Shipping Data of a small local e-commerce company. The dataset they provided is accessible by this link.

Dataset:

Each dataset record has 12 parameters:

1. _ID_ – unique identification number of customers.
2. _Warehouse Block_ – company's warehouse is divided into 5 blocks which are with assigned letters from A to D.
3. _Mode of Shipment_ – the way the order was sent.
4. _Customer Care Calls_ – number of times a customer has called the support service.
5. _Customer Rating_ – how satisfied the customer is (from 1 to 5).
6. _Cost of the Production_ – money spent (in dollars) to produce a good.
7. _Prior Purchases_ – number of purchases a customer has already made.
8. _Product Importance_ – how "valuable" the product is.
9. _Gender_ – customer's sex.
10. _Discount Offered_ – the discount customer got on the item.
11. _Weight in gms_ – product's weight in grams.
12. _Reached on time_ – specifies if an item was shipped in time.

Must-Have Functions:

Doing all this entry-handling is tedious, so you were asked to implement a few critically important key features.

Adding New and Deleting Existing Entries.

The manager must have an ability to easily add new reports into the system. It means that all the information should be put into some form and submitted into the system.

It is also crucial for the manager to be able to delete an existing record in case anything goes wrong within the company or from the customer's side.

Filtering and Sorting Entries.

Manager also does some data analysis when he is bored, so having an ability to filter out listings by certain criteria (Warehouse Block, Mode of Shipment, Product Importance, Gender and Reached on Time) and filtering them in ascending/descending order by the other criteria is welcome and highly appreciated.

GUI:

The company asked you not to overcomplicate the user interface and attached a few sketches of what they would like their managers to see.

Window 1

X

E-Commerce
Filter By:

Add Report	Delete Report

Table with all the reports

Window 2

X

Specify information about the report: