

# EasyShop Retail Application Case Study



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## ***EasyShop Retail System Case Study***

EasyShop is a nationwide retail chain with their head office in New York has its retail outlet presence across various cities in USA, and is popular for the various schemes and the value for money that they bring to their customers. The customer can purchase items from various retail outlets. EasyShop has its warehouse situated in New York.

Every retail outlet has a retail outlet manager and several employees who are responsible for the operations at the retail outlet. An employee is assigned to only one retail outlet. The EasyShop management has an option to nominate the dependents of employees for various beneficial schemes.

The warehouse manager is responsible for procurement of items from different vendors and distributes them to the different retail outlets. The warehouse maintains a stock of every item, with certain quantity. When the stock of any item goes below a threshold value in the warehouse, re-ordering needs to be done.

Items can belong to three categories namely A, B, and C as per the below table:

Price Range	Category
1 - 999	C
1000 - 4999	B
5000 - 99999	A

The procurement of the items from different suppliers is based on the quotations that are provided by various suppliers. The rules to procure the items are defined by the EasyShop management as follows:

One supplier can provide quotations for different items.

Different suppliers can provide the quotation for the same item.

For each item, a supplier has to provide a separate quotation.

EasyShop management has the right to accept or reject a quotation based on the quoted price.

The management places the orders for the accepted quotations. The supplier can deliver the ordered quantity in phases and these items are shipped (inward) to warehouse. Once the supplier has supplied the ordered quantity, the quotation status will become closed.

Note: Items supplied by the supplier to warehouse are called as inward and the items moved from warehouse to retail outlet are called as outward.

The manager of the retail outlet manages the inventory of items and places request to warehouse manager detailing the items required in his/her retail outlet.

During item shipment from the central warehouse to various retail outlets, the quantity on hand is updated accordingly both from the warehouse and the retail outlet end. The automation planned needs to take care of end to end operations of EasyShop. This system would be used by the employees of the retail outlets for the various activities of the retail store.