

Problem Statement:

The stock management system must take care of the sales, no. of items bought from the supplier, the customers who are a part of it.

This system will allow the user to record the information and generate the report and billing whenever required.

SRS Document:

There are 8 classes present.

1) The class termed as 'Role' defines the designation of a user. ∴ It is a 'composition' as there will be no designation if there are no users.

- id  
 - description  
 - title

} attributes

- Add role  
 - Delete role  
 - Edit role  
 - Search for a role

} functions

2) The class termed 'Stock' manages all the stock related operations.

id, items, stock number, type, description are the attributes.

We can add, delete, edit & search for a stock accordingly.

## PROGRAMME

3) The 'Product' class manages all the product related operations.  
id of pdt., customer id, items, pdt. no, type, description are the attributes.

4) The 'permission' class plays the role of granting or blocking certain permissions wherever required.

5) The customer class has the attributes id, name, mobile, email, password, address.

The customer information is managed by this class.

6) The store class necessarily represents the customers supplier.

They supply the product according to the needs.

id, name, type, description are the attributes

7) User class has the information of the employees.

id, name, dob, email, role etc. are few attributes.

8) Billing class basically manages the billing issue (collect operators). One can add, delete, edit or search for billing operation.

Here the Product depends on both user & permission details

∴ Multiple inheritance is shown