

EX.NO:05

DATE:

STOCK MAINTENANCE SYSTEM

PROBLEM DOMAIN:

INVENTORY SYSTEM is a real time application used in the merchant's day to day system. This is a database to store the transaction that takes place between the Manufacturer, Dealer and the Shop Keeper that includes stock inward and stock outward with reference to the dealer. Here we assume our self as the Dealer and proceed with the transaction as follows:

The Manufacturer is the producer of the items and it contains the necessary information of the item such as price per item, Date of manufacture, best before use, Number of Item available and their Company Address.

The Dealer is the secondary source of an Item and he purchases Item from the manufacturer by requesting the required Item with its corresponding Company Name and the Number of Items required. The Dealer is only responsible for distribution of the Item to the Retailers in the Town or City.

The Shop Keeper or Retailer is the one who is prime source for selling items in the market. The customers get Item from the Shop Keeper and not directly from the Manufacturer or the Dealer.

The Stock is the database used in our System which records all transactions that takes place between the Manufacturer and the Dealer and the Dealer and the Retailer.

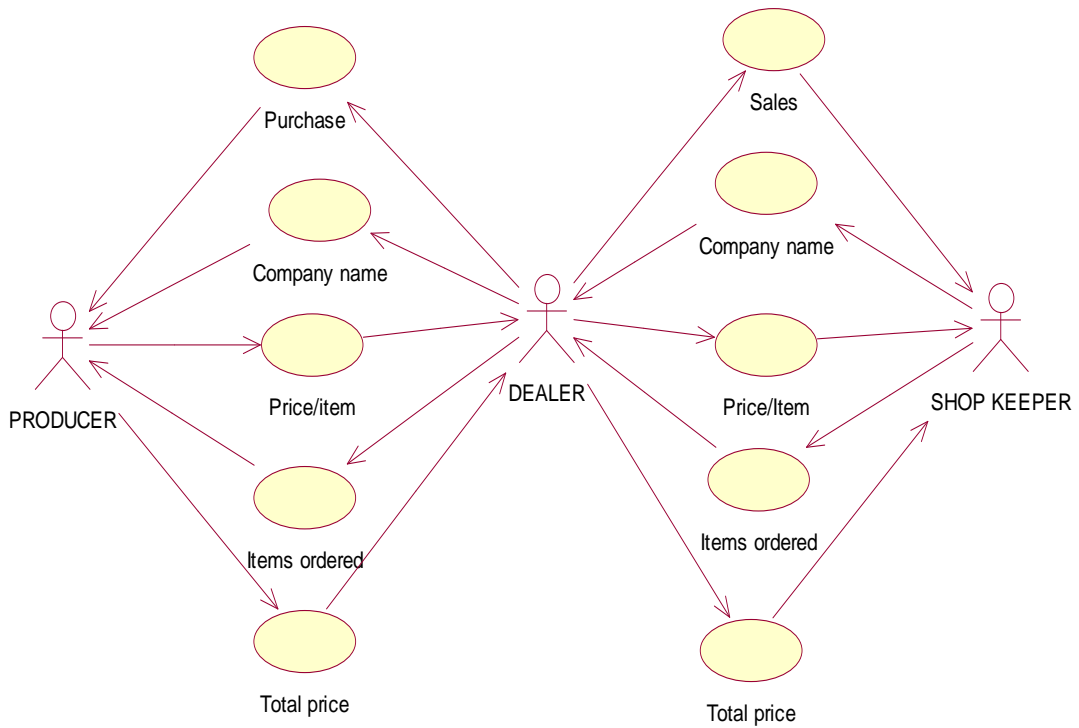
SOFTWARE REQUIRMENTS

4. Microsoft Visual Basic 6.0
5. Rational Rose
6. Microsoft Access

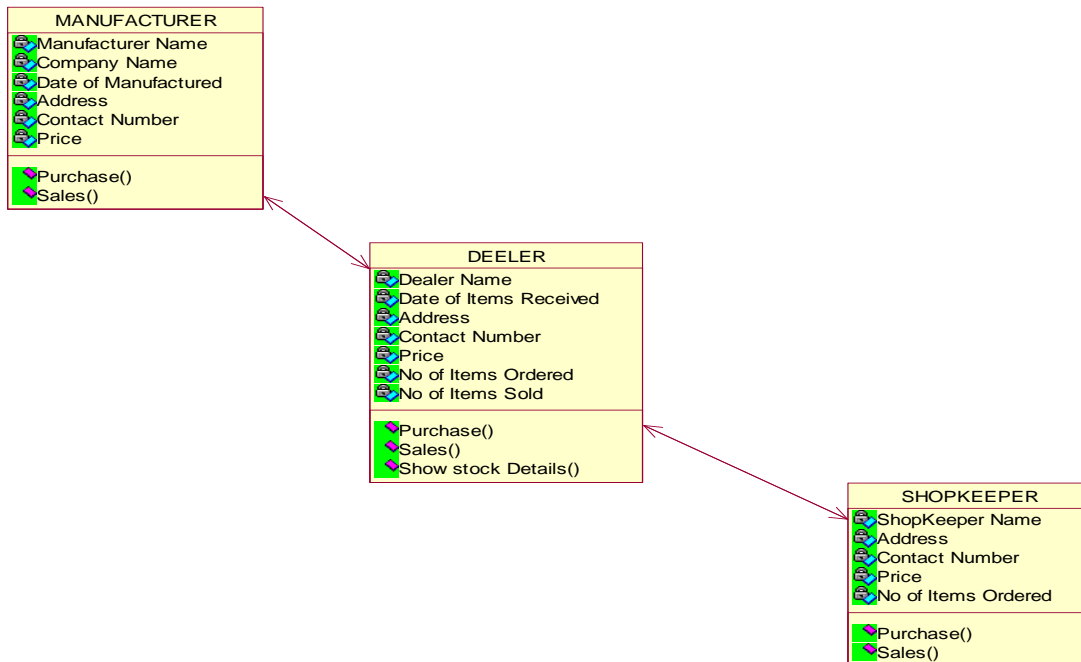
HARDWARE REQUIRMENTS

1. 128MB RAM
2. Pentium III Processor

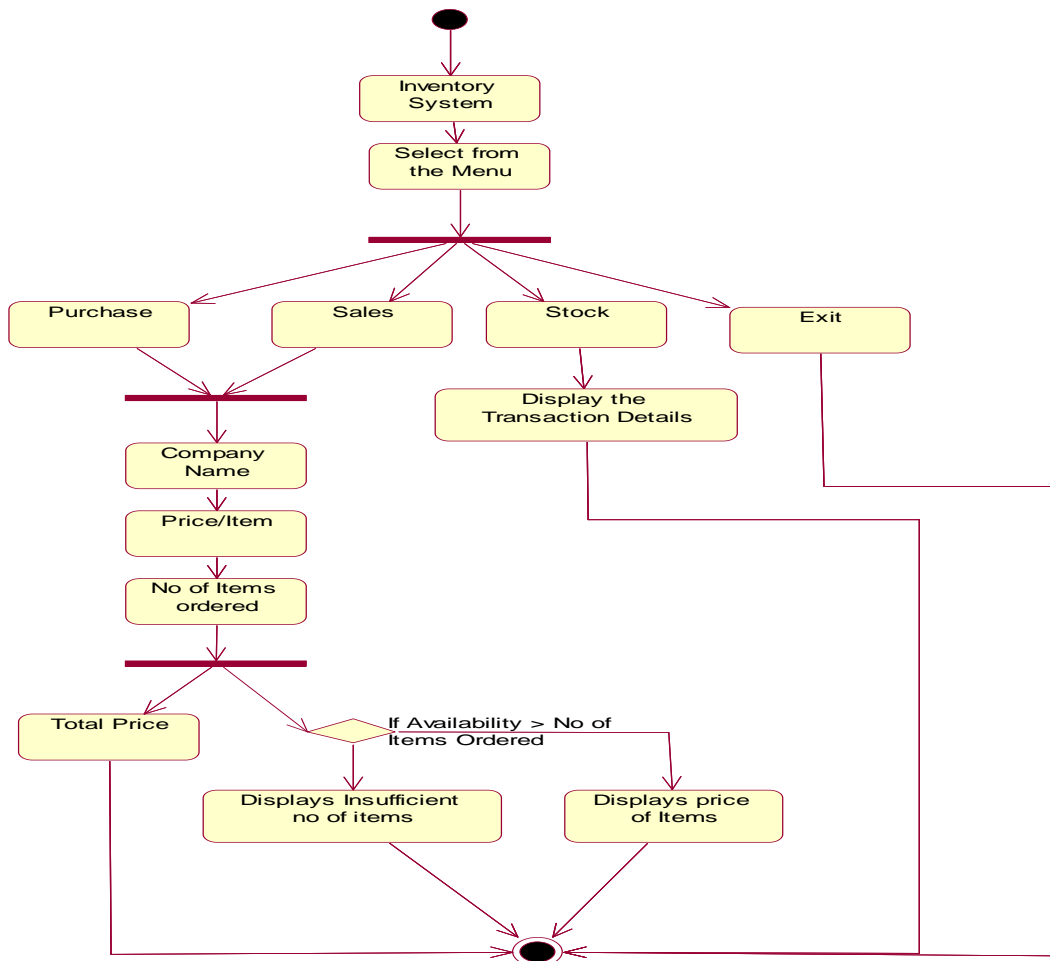
USE CASE DIAGRAM :



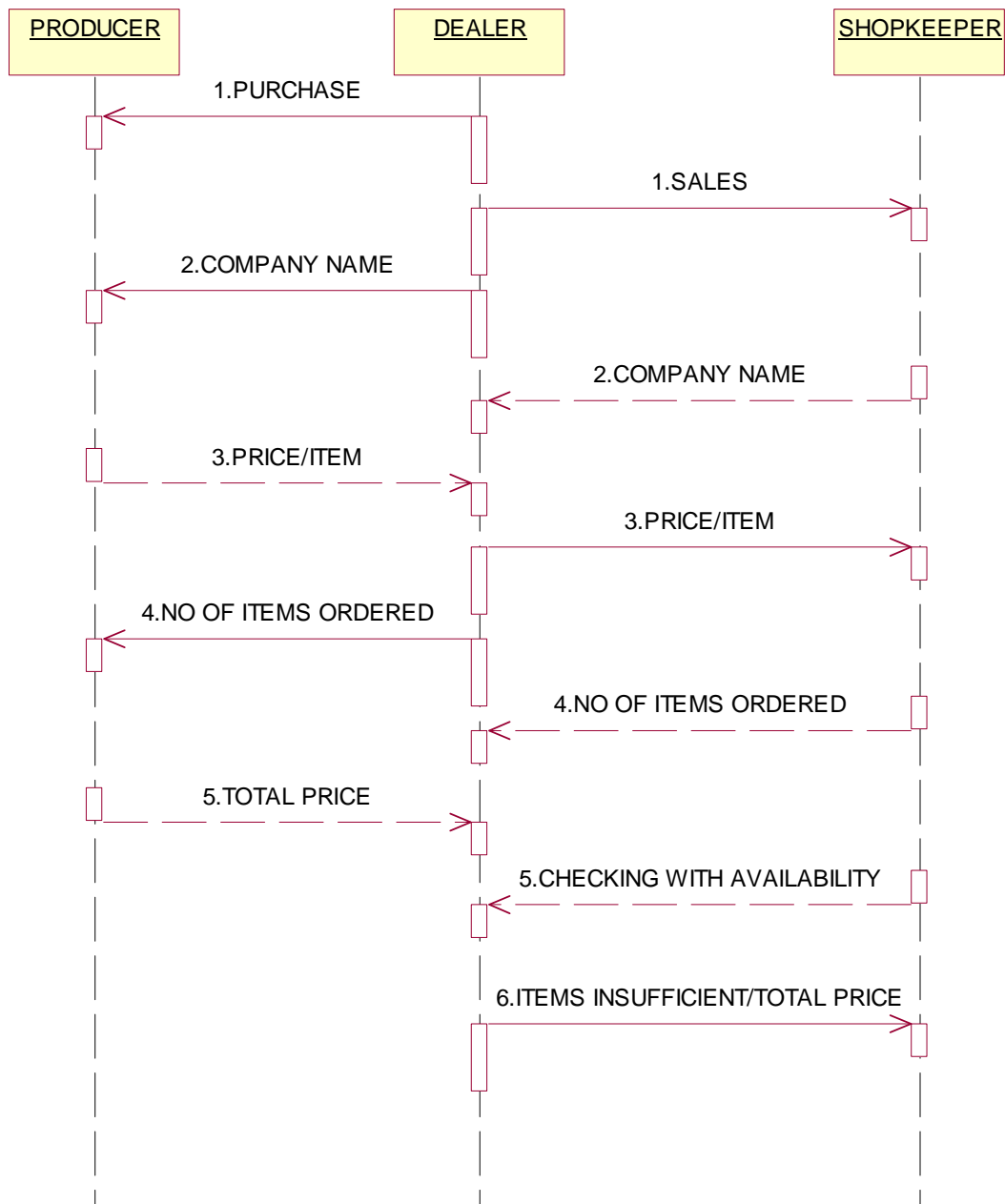
CLASS DIAGRAM :



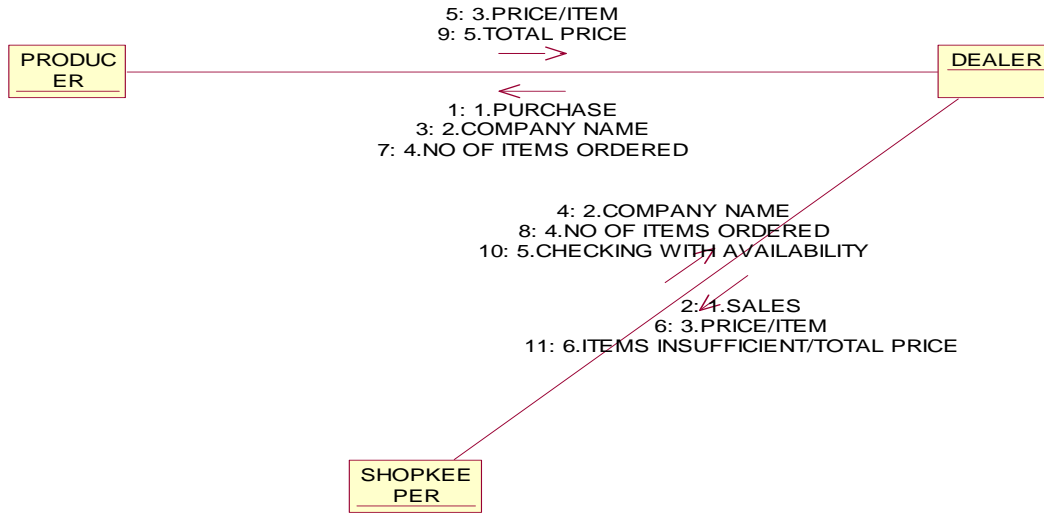
ACTIVITY DIAGRAM :



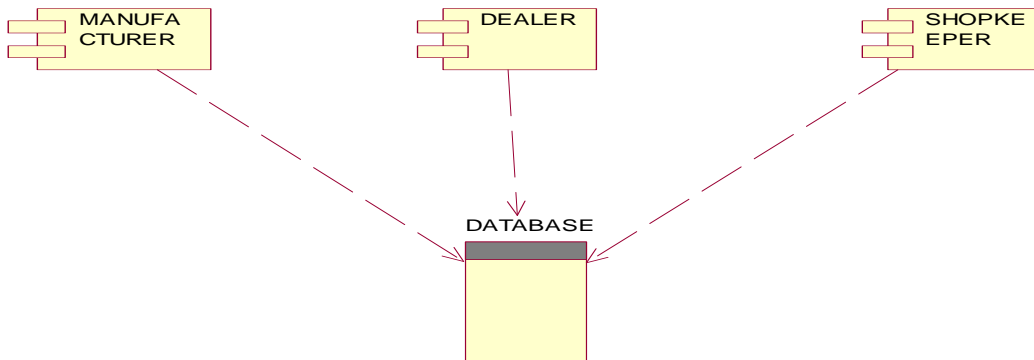
SEQUENCE DIAGRAM :



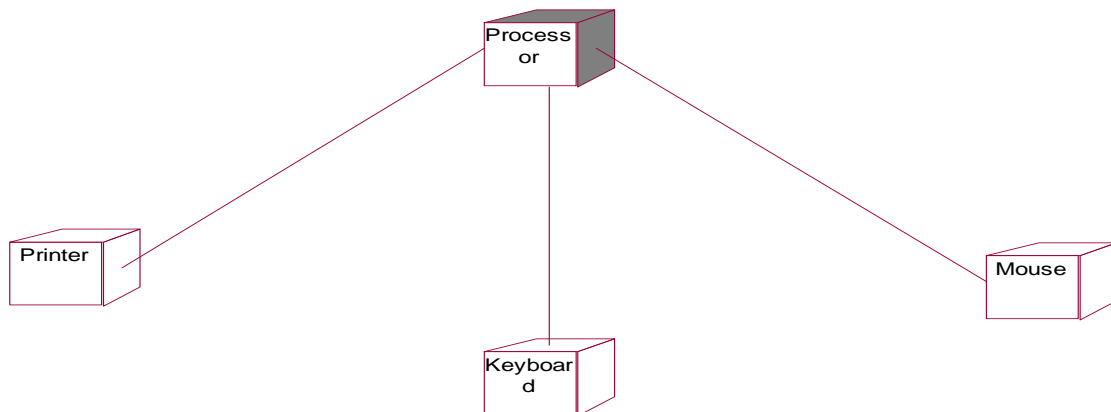
COLLABORATION DIAGRAM :



COMPONENT DIAGRAM :



DEPLOYMENT DIAGRAM :



CODING

STOCK MAINTAINENCE:

```
Dim cn As adodb.Connection  
Dim rs As adodb.Recordset  
Dim s As String
```

```
Private Sub Command1_Click()  
MDIForm1.Show  
Form2.Hide  
End Sub
```

```
Private Sub Command2_Click()  
Combo1.Text = ""  
Text4.Text = ""  
Text1.Text = ""  
Text5.Text = ""  
Text2.Text = ""  
Text6.Text = ""  
Text3.Text = ""  
Text7.Text = ""  
End Sub
```

```
Private Sub Command3_Click()  
s = "delete from stock where Item_type='" & Combo1.Text & """  
cn.Execute (s)  
MsgBox "one Stock deleted"  
Combo1.Text = ""  
Text4.Text = ""  
Text1.Text = ""  
Text5.Text = ""  
Text2.Text = ""  
Text6.Text = ""  
Text3.Text = ""  
Text7.Text = ""  
End Sub
```

```
Private Sub Command4_Click()  
s = "update stock set Item_code='" & Text4.Text & "',Item_name='" & Text1.Text & "  
',Net_weight='" & Text5.Text & "',pdate='" & Text2.Text & "',Quantity= '" & Text6.Text &
```

```
","price=" & Text3.Text & ",Total_Amount=" & Text7.Text & " where Item_type=" &
Combo1.Text & " "
cn.Execute (s)
MsgBox "one Stock updated"
Combo1.Text = ""
Text4.Text = ""
Text1.Text = ""
Text5.Text = ""
Text2.Text = ""
Text6.Text = ""
Text3.Text = ""
Text7.Text = ""
End Sub
```

```
Private Sub Command5_Click()
If (Combo1.Text = "") Then
MsgBox "Blank record not possible"
Else
s = "insert into stock values(" & Combo1.Text & "," & Text4.Text & "," & Text1.Text & ","
& Text5.Text & "," & Text2.Text & "," & Text6.Text & "," & Text3.Text & "," &
Text7.Text & ")"
cn.Execute (s)
MsgBox "Stock Added"
Combo1.Text = ""
Text4.Text = ""
Text1.Text = ""
Text5.Text = ""
Text2.Text = ""
Text6.Text = ""
Text3.Text = ""
Text7.Text = ""
End If
End Sub
```

```
Private Sub Command6_Click()
rs.MoveLast
Combo1.Text = rs.Fields(0)
Text4.Text = rs.Fields(1)
Text1.Text = rs.Fields(2)
Text5.Text = rs.Fields(3)
Text2.Text = rs.Fields(4)
Text6.Text = rs.Fields(5)
```



```
Text3.Text = rs.Fields(6)
Text7.Text = rs.Fields(7)
End Sub
```

```
Private Sub Command7_Click()
rs.MoveNext
If (rs.EOF = True) Then
rs.MoveLast
MsgBox "End of the Record"
End If
Combo1.Text = rs.Fields(0)
Text4.Text = rs.Fields(1)
Text1.Text = rs.Fields(2)
Text5.Text = rs.Fields(3)
Text2.Text = rs.Fields(4)
Text6.Text = rs.Fields(5)
Text3.Text = rs.Fields(6)
Text7.Text = rs.Fields(7)
End Sub
```

```
Private Sub Command8_Click()
rs.MovePrevious
If (rs.BOF = True) Then
rs.MoveFirst
MsgBox "Beginning of the Record"
End If
Combo1.Text = rs.Fields(0)
Text4.Text = rs.Fields(1)
Text1.Text = rs.Fields(2)
Text5.Text = rs.Fields(3)
Text2.Text = rs.Fields(4)
Text6.Text = rs.Fields(5)
Text3.Text = rs.Fields(6)
Text7.Text = rs.Fields(7)
End Sub
```

```
Private Sub Command9_Click()
rs.MoveFirst
Combo1.Text = rs.Fields(0)
Text4.Text = rs.Fields(1)
Text1.Text = rs.Fields(2)
Text5.Text = rs.Fields(3)
```

```
Text2.Text = rs.Fields(4)
Text6.Text = rs.Fields(5)
Text3.Text = rs.Fields(6)
Text7.Text = rs.Fields(7)
End Sub
```

```
Private Sub details_Click()
Form9.Show
Form2.Hide
End Sub
```

```
Private Sub entry_Click()
Form3.Show
Form2.Hide
End Sub
```

```
Private Sub Form_Load()
Set cn = New adodb.Connection
cn.Open ("Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True")
Set rs = New adodb.Recordset
rs.Open "select * from stock", cn, adOpenKeyset, adLockOptimistic
Combo1.AddItem "Food"
Combo1.AddItem "oil"
Combo1.AddItem "Toys"
Combo1.AddItem "Soap"
Combo1.AddItem "perfume"
End Sub
```

```
Private Sub refsh_Click()
Form2.refresh
End Sub
```

```
Private Sub report_Click()
DataReport1.Show
End Sub
```

```
Private Sub Text7_Click()
Text7.Text = Val(Text6) * Val(Text3)
End Sub
```

SALESMASTER ENTRY FORM:

```
Dim cn As adodb.Connection
```

```
Dim rs As adodb.Recordset
```

```
Dim s As String
```

```
Private Sub Command1_Click()
```

```
Form5.refresh
```

```
End Sub
```

```
Private Sub Command2_Click()
```

```
MDIForm1.Show
```

```
Form5.Hide
```

```
End Sub
```

```
Private Sub Command3_Click()
```

```
If (Text8.Text = "") Then
```

```
MsgBox "Pls enter Bill number"
```

```
Else
```

```
s = "insert into sales values('" & Text8.Text & "','" & Text4.Text & "','" & Combo1.Text & "','"  
& Combo2.Text & "','" & Text1.Text & "','" & Text5.Text & "','" & Text2.Text & "','" &  
Text6.Text & "','" & Text3.Text & "','" & Text7.Text & "')
```

```
cn.Execute (s)
```

```
MsgBox "Order Taken Sucessfully"
```

```
MsgBox "Thank you"
```

```
MsgBox "Come again"
```

```
Text8.Text = ""
```

```
Text4.Text = ""
```

```
Combo1.Text = ""
```

```
Combo2.Text = ""
```

```
Text1.Text = ""
```

```
Text5.Text = ""
```

```
Text2.Text = ""
```

```
Text6.Text = ""
```

```
Text3.Text = ""
```

```
Text7.Text = ""
```

```
End If
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Set cn = New adodb.Connection
```

```
cn.Open ("Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True")
```

```
Set rs = New adodb.Recordset
```

```
rs.Open "select * from sales", cn, adOpenKeyset, adLockOptimistic
```

```
Combo1.AddItem "Food"
```

```
Combo1.AddItem "oil"  
Combo1.AddItem "Toys"  
Combo1.AddItem "Soap"  
Combo1.AddItem "perfume"  
Combo2.AddItem "1002"  
Combo2.AddItem "1051"  
Combo2.AddItem "1232"  
Combo2.AddItem "1245"  
Combo2.AddItem "4578"  
Combo2.AddItem "12045"  
End Sub
```

```
Private Sub report_Click()  
DataReport2.Show  
End Sub
```

```
Private Sub salesdetail_Click()  
Form11.Show  
Form5.Hide  
End Sub
```

```
Private Sub Text7_Click()  
Text7.Text = Val(Text6) * Val(Text3)  
End Sub
```

REPLACE FAULT FORM:

```
Dim cn As adodb.Connection  
Dim rs As adodb.Recordset  
Dim s As String
```

```
Private Sub Command1_Click()  
MDIForm1.Show  
Form7.Hide  
End Sub
```

```
Private Sub Command2_Click()  
Form7.Hide  
Form7.Show  
Text8.Text = ""  
Text1.Text = ""  
Combo1.Text = ""
```

```
Combo2.Text = ""
Text2.Text = ""
Text6.Text = ""
Text3.Text = ""
Text7.Text = ""
Text5.Text = ""
Text4.Text = ""
Text9.Text = ""
End Sub
```

```
Private Sub Command3_Click()
s = "delete from replace where Bill_No=" & Text8.Text & ""
cn.Execute (s)
MsgBox "order rejected"
Text8.Text = ""
Text1.Text = ""
Combo1.Text = ""
Combo2.Text = ""
Text2.Text = ""
Text6.Text = ""
Text3.Text = ""
Text7.Text = ""
Text5.Text = ""
Text4.Text = ""
Text9.Text = ""
End Sub
```

```
Private Sub Command4_Click()
If (Text8.Text = "") Then
MsgBox "Pls enter Bill number"
Else
s = "insert into replace values(" & Text8.Text & "," & Text1.Text & "," & Combo1.Text &
"," & Combo2.Text & "," & Text2.Text & "," & Text6.Text & "," & Text3.Text & "," &
Text7.Text & "," & Text5.Text & "," & Text4.Text & "," & Text9.Text & ")"
cn.Execute (s)
MsgBox "order verified successfully"
Text8.Text = ""
Text1.Text = ""
Combo1.Text = ""
Combo2.Text = ""
Text2.Text = ""
Text6.Text = ""
```

```
Text3.Text = ""
Text7.Text = ""
Text5.Text = ""
Text4.Text = ""
Text9.Text = ""
End If
End Sub
```

```
Private Sub Command5_Click()
rs.Close
rs.Open "select * from replace where Bill_NO=" & Text8.Text & ""
On Error GoTo er
Text8.Text = rs.Fields(0)
Text1.Text = rs.Fields(1)
Combo1.Text = rs.Fields(2)
Combo2.Text = rs.Fields(3)
Text2.Text = rs.Fields(4)
Text6.Text = rs.Fields(5)
Text3.Text = rs.Fields(6)
Text7.Text = rs.Fields(7)
Text5.Text = rs.Fields(8)
Text4.Text = rs.Fields(9)
Text9.Text = rs.Fields(10)
MsgBox "Item delivered Successfully"
MsgBox "Thank You"
MsgBox "Come Again"
Exit Sub
er:
MsgBox "Item not found"
End Sub
```

```
Private Sub Form_Load()
Set cn = New adodb.Connection
cn.Open ("Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True")
Set rs = New adodb.Recordset
rs.Open "select * from replace", cn, adOpenKeyset, adLockOptimistic
Combo1.AddItem "Food"
Combo1.AddItem "oil"
Combo1.AddItem "Toys"
Combo1.AddItem "Soap"
Combo1.AddItem "perfume"
Combo2.AddItem "1002"
```

```
Combo2.AddItem "1051"  
Combo2.AddItem "1232"  
Combo2.AddItem "1245"  
Combo2.AddItem "4578"  
Combo2.AddItem "12045"  
End Sub
```

```
Private Sub refrssh_Click()  
Form7.refresh  
End Sub
```

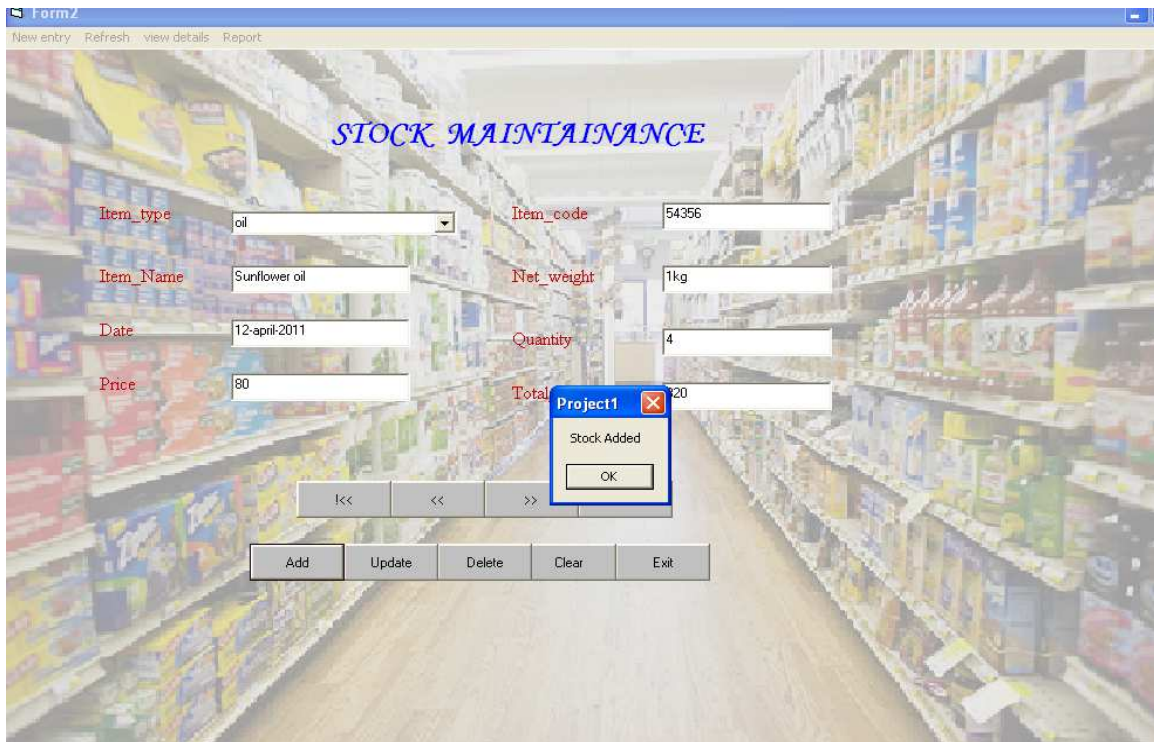
```
Private Sub replacedetail_Click()  
Form12.Show  
Form7.Hide  
End Sub
```

```
Private Sub report_Click()  
DataReport4.Show  
End Sub
```

```
Private Sub Text9_Click()  
Text9.Text = Val(Text7) * Val(Text5)  
End Sub
```

SCREEN SHOT:

FORM1:

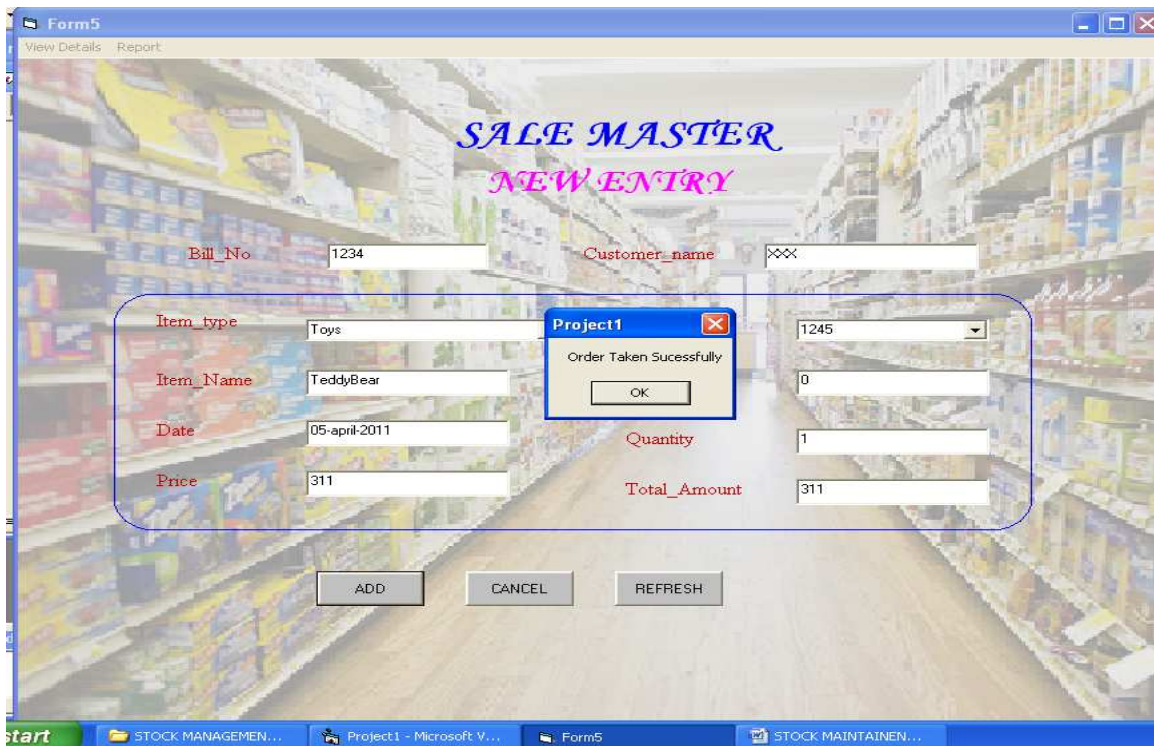


The screenshot shows a software window titled "Form2" with a menu bar containing "New entry", "Refresh", "view details", and "Report". The main area features a background image of a grocery store aisle. The title "STOCK MAINTAINANCE" is displayed in blue. The form contains the following fields:

Item_type	oil	Item_code	54356
Item_Name	Sunflower oil	Net_weight	1kg
Date	12-april-2011	Quantity	4
Price	80	Total	320

Navigation buttons include "I<<", "<<", and ">>". A "Project1" dialog box is open, displaying "Stock Added" and an "OK" button. At the bottom, there are buttons for "Add", "Update", "Delete", "Clear", and "Exit".

FORM 2:



The screenshot shows a software window titled "Form5" with a menu bar containing "View Details" and "Report". The main area features a background image of a grocery store aisle. The title "SALE MASTER NEW ENTRY" is displayed in blue and pink. The form contains the following fields:

Bill_No	1234	Customer_name	xxx
Item_type	Toys	Quantity	1
Item_Name	TeddyBear	Total_Amount	311
Date	05-april-2011		
Price	311		

A "Project1" dialog box is open, displaying "Order Taken Sucessfully" and an "OK" button. At the bottom, there are buttons for "ADD", "CANCEL", and "REFRESH". The Windows taskbar at the bottom shows the "start" button and several open applications: "STOCK MANAGEMEN...", "Project1 - Microsoft V...", "Form5", and "STOCK MAINTAINEN...".

FORM 3:

The screenshot shows a software window titled "Form7" with a menu bar containing "View Detail", "Refresh", and "Report". The main area has a background image of a grocery store aisle. The title "REPLACE FAULT" is centered in blue. Below the title are several input fields:

- Bill_No: 1234
- Customer_name: XXXX
- Item_type: Toys (dropdown)
- Item_code: 1002 (dropdown)
- Item_Name: YYY
- Net_weight: 234
- Date: 06-april-2011
- Quantity: (empty)
- Price: 120
- Noof_Replac: (empty)
- Total_Amount: 240

At the bottom are buttons: ADD, REJECT, SEARCH, NEW, and CANCEL. A modal dialog box titled "Project1" is open, showing "order rejected" and an "OK" button.

FROM 4:

The screenshot shows a software window titled "DataReport2" with a menu bar containing "Zoom" and "100%". The main area displays a table titled "SALE DETAILS".

BILL_NO:	CUSTOMER_	ITEM_TYPE:	ITEM_CO	ITEM_NAME	NET_WEIGHT:	PDATE:	QUANTITY:	PRICE:	TOTAL
4034	gopi	oil	1232	gold winner	2kg	4/3/2011	2	55	110
5698	Bharath	perfume	1002	AXE	50gm	3/3/2011	2	100	200
1234	XXX	Toys	1245	TeddyBear	0	4/5/2011	1	311	311

The Windows taskbar at the bottom shows the Start button and several open applications: STOCK MANAGEMEN..., Project1 - Microsoft V..., Form4, DataReport2, and STOCK MAINTAINEN... The system clock shows 2:35 PM.