

**International School of Informatics & Management  
Jaipur**



Project on

**Supermarket Billing System**

By

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**Synopsis**  
**of**  
**Supermarket Billing System**

# **Introduction**

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The project is on Supermarket Billing. Supermarket is the place where customers come to purchase their daily using products and pay for that. So there is a need to calculate how many products are sold and to generate the bill for the customer.

In our project we have 3 users. First is the data entry operator who will enter the products in database. Second one is the administrator who will decide the taxes and commissions on the products and can see the report of any product. Third one is the bill calculating operator who will calculate the bill and print.

## **Objective**

*“To make software fast in processing, with good user interface so that user can change it and it should be used for a long time without error and maintenance.”*

## **Work Flow**

Work in the Supermarket will be done in the following way:

1. The product will come in the store.
2. Data entry operator will enter the information of the product in database.
3. The Administrator will enter the taxes and commissions for each product.
4. The customer will come and take the basket with him/her and choose the product and took it to the counter.
5. The bill calculating operator will check the products with the bar code detecting machine then it will match with product-id then it will show its information and price and the bill will be calculated and total payment will shown.
6. Customer will pay for the products.
7. All the products will be packed and delivered to the customer.

# **Modules**

We will use 5 modules in this project. These are as follows:

## **Module 1: Login–Id**

This module is made for the login of users. We know that we have 3 users so login-id is for:

1. Administrator
2. Data Entry Operator
3. Bill Calculating Operator

## **Module 2: Apply taxes and commissions**

This module is for administrator who will

1. Set the taxes for the products.
2. Set the commissions for the products.

## **Module 3: Check the Report**

This module is also for the administrator who can generate or check the report of the product and how many products are sold on particular date or in a period of time.

## **Module 4: Enter the information about products**

This module is for data entry operator who will

1. Enter which products come in the store.
2. Prices and expiry date of the product.

## **Module-5: Calculate the bill**

This module is for bill calculating operator who will

1. Calculate the bill.
2. Print it.

## **Scope**

Our project has a big scope to do. We can:

1. Calculate the bill.
2. Give the bill to the customer.
3. Store how many products are sold.
4. Store products and their prices and with other information.
5. Set the rates of taxes and commission on the products.
6. Can see the report of the product in a fix period of time.
7. Change the Graphical User Interface of the system.

We can't:

1. Calculate of the salaries of the employees.
2. Calculate the expanses on the product.

## **Database**

Database is used to store data on the computer and fast retrieval of the data so we use Oracle 8i. We will make database by entering values in different tables like tables for the login-id, products in the store, etc.

## **Programming Languages**

We will use following languages for the coding:

Front End: Visual Basic 6

Back End: Microsoft Access

# **SOFTWARE REQUIREMENTS SPECIFICATION**

## **Description of the Existing System**

Many Supermarkets use this type of billing system for a decade. It is also improved many times according to requirements of sellers and customers. It does the same work that is calculating the bill, gives it to the customer and maintain proper database. They are accurate in calculation and printing, they also generate records.

A new concept is also added in the billing system is that they also maintain relationships with the customers who purchase more products from the store regularly. System also concerns their requirements and gives them more commission. It also shows the overall profit and profit on a particular product and give repots which items are required and which have cross their expiry date.

## **Bottlenecks of the Existing System**

Every system has pros and cons so existing system also have many advantages and disadvantages. So the bottlenecks of the existing system are as follows:

- 1. User Interface:** User Interface is not so much good that operators feel some problems in working.
- 2. Graphical User Interface:** GUI is not good so the operators get bored by watching screen.
- 3. Processing speed:** Processing speed of the software is not so much good to operate fast.

4. **Flexible:** Existing system is not so much flexible that can be changed according to the operators and customers.
5. **Automatic generation of the Reports:** Not able to automatically generate the reports and documents.
6. **Workload:** Sometimes the system hangs when workload is more.
7. **Error Free:** Sometimes the system gives error in the calculation in making the bill and in the information of the products due to workload.
8. **Man Power:** Existing system uses so many people to operate the system.
9. **Resources:** System does not use the resources properly.

## **Advantages of the Proposed System**

To reduce the bottlenecks of the existing system there is a need to develop a new system. The new system should concern the requirements of the customer and the sellers. It has the following qualities:

1. Reduction in processing cost.
2. Error reduction.
3. Automatic posting.
4. Improve reporting.
5. Automatic production of the documents and Reports.
6. Faster response time.
7. Ability to meet user requirements.
8. Flexibility.
9. Reduced dependency.
10. Improves resource uses.
11. Reduction in use of the paper.
12. Reduction in Man Power.

Proposed system has these qualities including the qualities of the existing system.

## **Feasibility Study**

***“Feasibility Study”*** is a test of the system according to its workability, impact of the organization, ability to meet user needs and effective use of the resources.



We can test our system by different type of the feasibilities. There are 5 types of the feasibilities which are discussed here. These are as follows:

## **1. Technical Feasibility:**

A study of resources availability that may affect the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not. This system can be made in any language that support good user interface and easy database handling.

Technical needs may include:

**Front-End Selection:** Front-End means a language that is used for user interface designing and coding. Front-End should have following qualities:

- It must have a graphical user interface that assist employees that are not from some IT background.
- Scalability and Extensibility
- Robustness
- According to the organization requirements and culture.
- Must provide excellent reporting features with good printing support.
- Platform independent.
- Easy to deploy and maintain.
- Event driven programming.
- Front-End must support some popular Back-End like MS Access, SQL Server and Oracle.

According to the above stated features we selected Visual C#.Net as Front –End for developing our project. Visual C#.Net is used in Microsoft Visual Studio.Net 2003.

**Back-End Selection:** Back-End means a language that is used for database management. Back-End should have following qualities:

- Multiple user support.
- Provide inherent feature for security.
- Efficient data retrieval and maintenance.
- Stored procedures.

- Popularity.
- Operating System compatible.
- Easy to install.
- Various drivers must be available.
- Efficient data handling.
- Easy to implement with Front-End.

According to the above stated features we selected Oracle as Back–End for developing our project. We will use Oracle 8i specifically because it has more feature features then other later versions and it is easy to make and maintain database. It is also easy to implement Oracle 8i with Visual C#.Net in Microsoft Visual Studio.Net 2003.

## **2. Economical Feasibility:**

In this we consider following costs:

1. The cost to conduct a full system investigation.
2. The cost of hardware and software for class of application being considered.
3. The benefit in the form of the reduced cost.

Our system has a lot of features at a minimum cost so it is feasible to implement and it will be very much beneficial to the sellers in the reduced cost. It's software and hardware cost is also low then the existing system.

## **3. Operational Feasibility:**

In this feasibility we consider following points:

1. What changes will be brought with the system.
2. What new skills will be required? Do the existing staff members have these skills? If not, can they be trained in due course of time?

In the new system we made some major changes for the staff members so that they have to be trained to use the newly added facilities. These major changes are possible and give a new era in the Supermarket in production and sales management.

## **4. Schedule Feasibility:**

Time evaluation is most important consideration in development of the project. So the project is concerned should be completed with fixed in scheduled time as far as company is concerned. New system is not so much big so it is easy to make in few days.

## **5. Behavioral Feasibility:**

People are inherently resisted to change and a computer means “change is the only certainty”. An estimate should be made of how strong a reaction the user staff in going to have towards development of new system. Thus special efforts can be made to educate and train the staff.

# **SCREEN SHOTS**

## **Project on Supermarket Billing System**

**About Supermarket Billing**

**International Institute of Informatics and Management, Jaipur**



**Project On  
SUPERMARKET BILLING SYSTEM**

**MINI PROJECT DEVELOPED BY :-**

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Devendra Singh Sisodia  
MCA IV Sem**

**Under  
Mr. Vijay Singh Rathore  
Assistant Professor  
IIIM, Jaipur**

**OK**

**Coding**

```
Private Sub Command1_Click()
```

```
Unload Me
```

```
End Sub
```


```
Private Sub Image1_Click()
```




```
End Sub
```

```
Private Sub Label3_Click()
```

```
End Sub
```

**Change Password**

 SUPERMARKET BILLING SYSTEM



Bill Stock Dealer Employee Password Help

CHANGE PASSWORD

Old Password

New Password

Change Password

Cancel

## **Coding**

```
Dim db As Database
Dim rs As Recordset
Dim style As VbMsgBoxStyle
Dim result As VbMsgBoxResult


Private Sub Command1_Click()
If Text1.Text = rs!Password Then
rs.Edit
rs!Password = Text2.Text
rs.Update
Beep
result = MsgBox("Password Suuccessfully Changed.", style, "Supermarket
Billing 1.0")
Unload Me
Else
result = MsgBox("Incorrect Password.", style, "Supermarket Billing 1.0")
Text1.Text = ""
Text2.Text = ""
Text1.SetFocus
End If
End Sub

Private Sub Command2_Click()
Unload Me
End Sub

Private Sub Form_Load()
Set db = OpenDatabase(App.Path + "\password.mdb")
Set rs = db.OpenRecordset("Table1")
End Sub
```



# Employee Pay slip

 SUPERMARKET BILLING SYSTEM

Bill Stock Dealer Employee Password Help

## EMPLOYEE PAYSIP CALCULATION

Date

26/05/2008

Time

11:08:31 AM

Name

Designation

Salary

Enter Leaves

Overtime Hours

Calculate

Home

Deductions

Net Salary

## **Coding**

```
Dim a As String
Dim rs As Recordset
Dim rs1 As Recordset
Dim rs2 As Recordset
Dim db As Database
Dim db1 As Database

Private Sub Combo1_Click()
Set rs = db.OpenRecordset("Select * from Table1")
rs.MoveFirst
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text5.Text = ""
While Not rs.EOF
If Combo1.Text = rs!Name Then
Text1.Text = rs!designation
Text2.Text = rs!salary
End If
rs.MoveNext
Wend
End Sub

Private Sub Command1_Click()
MDIForm1.Enabled = True
Unload Me
End Sub

Private Sub Command2_Click()
rs1.AddNew
rs1!Name = Combo1.Text
rs1!designation = Text1.Text
rs1!salary = Text2.Text
rs1!leaves = Text3.Text
rs1!ot = Text4.Text
rs1!deductions = Text5.Text
```

```
rs1!netsalary = Text6.Text
rs1!Date = Label9.Caption
rs1!Time = Label8.Caption
rs1.Update
Beep
Beep
rs2.AddNew
rs2!Name = Combo1.Text
rs2!designation = Text1.Text
rs2!salary = Text2.Text
rs2!leaves = Text3.Text
rs2!ot = Text4.Text
rs2!deductions = Text5.Text
rs2!netsalary = Text6.Text
rs2!Date = Label9.Caption
rs2!Time = Label8.Caption
rs2.Update
CrystalReport1.Action = False
End Sub
```

```
Private Sub Command3_Click()
Dim a As Integer
Dim b As Integer
Dim ot As Integer
Dim net As Integer
Dim ded As Integer
a = Val(Text3.Text)
b = Val(Text4.Text)
ded = a * 10
Text5.Text = ded
ot = b * 5
Set rs = db.OpenRecordset("Select * from Table1")
rs.MoveFirst
While Not rs.EOF
If Combo1.Text = rs!Name Then
net = Val(rs!salary) + ot - ded
```

```
End If
rs.MoveNext
Wend
Text6.Text = net
Command2.Enabled = True
End Sub

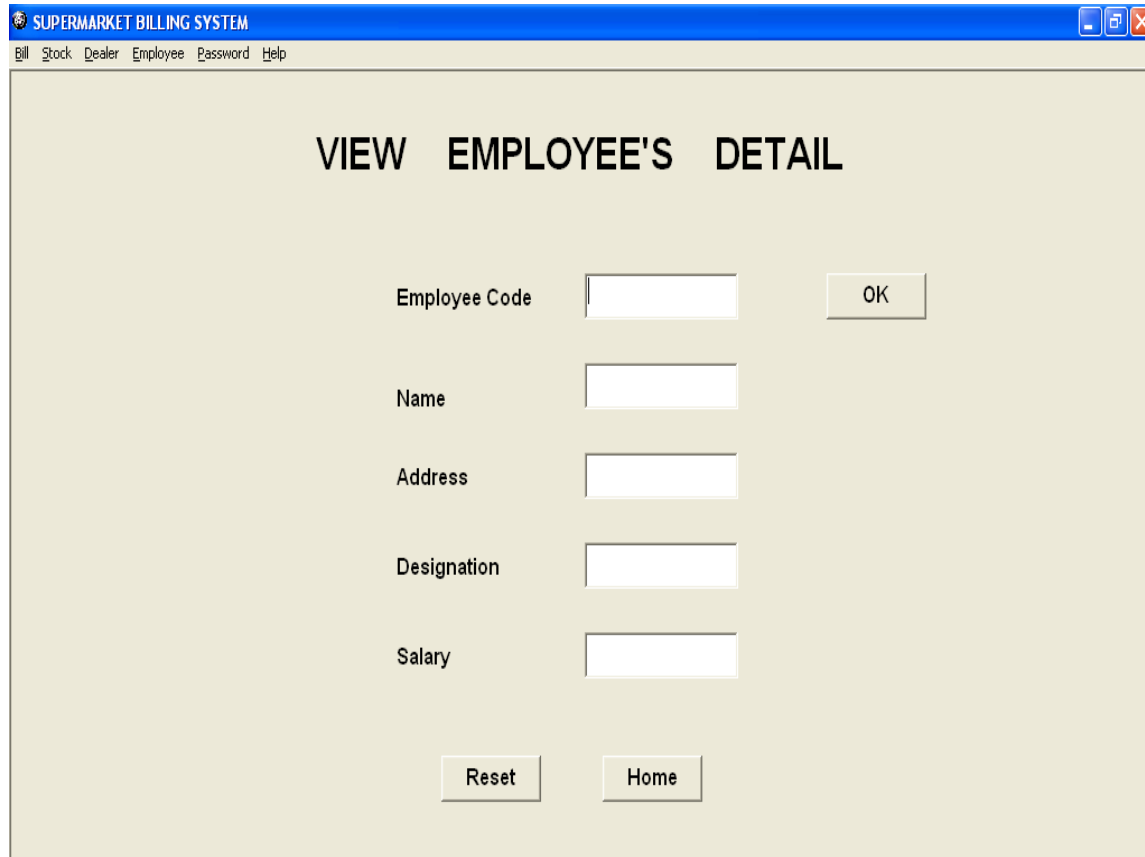
Private Sub Form_Load()
Command2.Enabled = False
Command3.Enabled = False
Set db = OpenDatabase(App.Path + "\emp.mdb")
Set rs = db.OpenRecordset("Select name from Table1")
rs.MoveFirst
While Not rs.EOF
Combo1.AddItem rs!Name
rs.MoveNext
Wend
Label9.Caption = Date
Set db1 = OpenDatabase(App.Path + "\payslip.mdb")
Set rs1 = db1.OpenRecordset("Table1")
Set rs2 = db1.OpenRecordset("Table2")
db1.Execute ("delete * from Table1")
End Sub

Private Sub Label9_Click()
End Sub

Private Sub Text4_Click()
Command3.Enabled = True
End Sub

Private Sub Timer1_Timer()
Label8.Caption = Time
End Sub
```

## View Employee's Detail



The screenshot shows a window titled "SUPERMARKET BILLING SYSTEM" with a menu bar containing "Bill", "Stock", "Dealer", "Employee", "Password", and "Help". The main content area is titled "VIEW EMPLOYEE'S DETAIL" and contains a form with the following fields and buttons:

Employee Code	<input type="text"/>	<input type="button" value="OK"/>
Name	<input type="text"/>	
Address	<input type="text"/>	
Designation	<input type="text"/>	
Salary	<input type="text"/>	
<input type="button" value="Reset"/>		<input type="button" value="Home"/>

## **Coding**

```
Private Sub Command1_Click()  
Text3.SetFocus  
Text1.Text = ""  
Text3.Text = ""  
Text2.Text = ""  
Text5.Text = ""  
Text4.Text = ""  
rs.MoveFirst  
End Sub
```

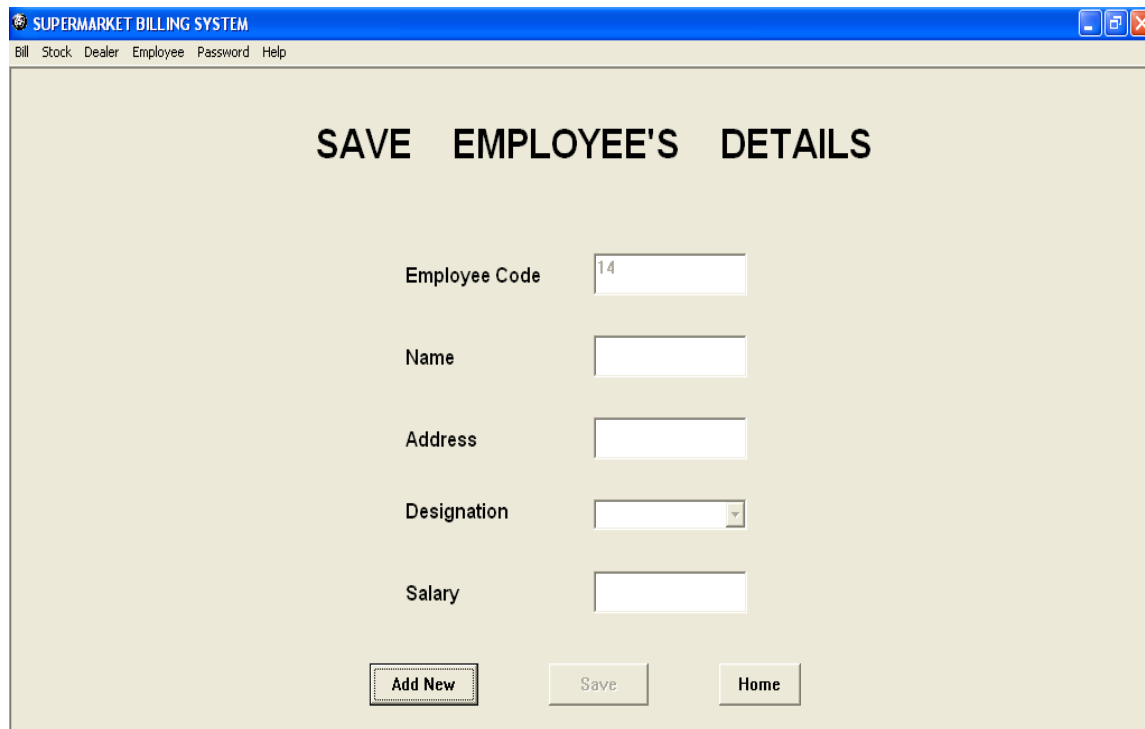
```
Private Sub Command2_Click()  
Unload Me  
End Sub
```

```
Private Sub Command3_Click()  
While Not rs.EOF  
If rs!code = Text3.Text Then  
Text3.Text = rs!code  
Text1.Text = rs!Name  
Text2.Text = rs!address  
Text5.Text = rs!designation  
Text4.Text = rs!salary  
End If  
rs.MoveNext  
Wend  
End Sub
```

```
Private Sub Form_Load()  
Set db = OpenDatabase(App.Path + "\emp.mdb")  
Set rs = db.OpenRecordset("Table1")  
Text1.SetFocus
```

```
End Sub
Private Sub Text3_Change()
End Sub
```

## Save Employee's Details



The screenshot shows a window titled "SUPERMARKET BILLING SYSTEM" with a menu bar containing "Bill", "Stock", "Dealer", "Employee", "Password", and "Help". The main content area is titled "SAVE EMPLOYEE'S DETAILS" and contains the following form fields:

Employee Code	<input type="text" value="14"/>
Name	<input type="text"/>
Address	<input type="text"/>
Designation	<input type="text"/>
Salary	<input type="text"/>

At the bottom of the form are three buttons: "Add New", "Save", and "Home".

## **Coding**

```
Dim i As Integer
Private Sub Combo1_Click()
Command1.Enabled = True
End Sub

Private Sub Command1_Click()
rs!code = Text1.Text
rs!Name = Text3.Text
rs!address = Text2.Text
rs!designation = Combo1.Text
rs!salary = Text4.Text
rs.Update
Command1.Enabled = False
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
'Combo1.Text = ""
End Sub

Private Sub Command2_Click()
Unload Me
End Sub

Private Sub Command3_Click()
i = i + 1
Text1.Text = i
rs.AddNew
Text1.Enabled = False
```



```
Text2.Enabled = True
Text3.Enabled = True
Text4.Enabled = True
Combo1.Enabled = True
End Sub
```

```
Private Sub Form_Load()
Text1.Enabled = False
Text2.Enabled = False
Text3.Enabled = False
Text4.Enabled = False
Combo1.Enabled = False
Command1.Enabled = False
Combo1.AddItem ("Manager ")
Combo1.AddItem ("Cashier ")
Combo1.AddItem ("Accountant ")
Combo1.AddItem ("Sales ")
Combo1.AddItem ("Security ")
Combo1.AddItem ("Sweeper ")
Set db = OpenDatabase(App.Path + "\emp.mdb")
Set rs = db.OpenRecordset("Table1")
rs.MoveLast
Text1.Text = rs!code
i = rs!code
End Sub
```

```
Private Sub Text1_KeyPress(KeyAscii As Integer)
If KeyAscii = 13 Then
Text2.SetFocus
End If
End Sub
```

# Total Stock

**SUPERMARKET BILLING SYSTEM**

Bill Stock Dealer Employee Password Help

## Total Stock

Product Name

Total Quantity

[Home](#)

## **Coding**

```
Dim db As Database
Dim rs As Recordset
Dim rs1 As Recordset

Private Sub Combo1_Click()
Set rs1 = db.OpenRecordset("select * from Table1 ")
Text1.Text = ""
rs1.MoveFirst
While Not rs1.EOF
If Combo1.Text = rs1!itemname Then
Text1.Text = Val(rs1!quantity) + Val(Text1.Text)
End If
rs1.MoveNext
Wend
End Sub

Private Sub Command1_Click()
Unload Me
End Sub

Private Sub Form_Load()
Set db = OpenDatabase(App.Path + "\save.mdb")
Set rs = db.OpenRecordset("Select distinct itemname from Table1 ")
rs.MoveFirst
While Not rs.EOF
Combo1.AddItem rs!itemname
```

rs.MoveNext  
Wend  
End Sub

## Purchase Product

The screenshot shows a web application window titled "SUPERMARKET BILLING SYSTEM". The menu bar includes "Bill", "Stock", "Dealer", "Employee", "Password", and "Help". The main content area is titled "Purchase Item" and contains the following fields and controls:

DATE	TIME
26/05/2008	11:07:24 AM

Dealer Name	<input type="text"/>
Product Name	<input type="text"/>
Price	<input type="text"/>
Weight	<input type="text"/>
Quantity	<input type="text"/>
Total Amount	<input type="text"/>

At the bottom of the form are three buttons: "Save", "Reset", and "Home".

## **Coding**

```
Dim style As VbMsgBoxStyle
Dim result As VbMsgBoxResult
Dim db As Database
Dim rs As Recordset
Dim db1 As Database
Dim db4 As Database
Dim db2 As Database
Dim rs2 As Recordset
Dim rs1 As Recordset
Dim rs3 As Recordset
Dim rs4 As Recordset
Dim rs6 As Recordset

Private Sub Combo1_Click()
Set rs3 = db1.OpenRecordset("Table1")
rs3.MoveFirst
While Not rs3.EOF
If Combo1.Text = rs3!dealer Then
Combo2.AddItem rs3!product
'Combo3.AddItem rs3!price
'Combo4.AddItem rs3!Weight
End If
rs3.MoveNext
```

```
Wend  
End Sub
```

```
Private Sub Combo2_Click()  
Set rs3 = db1.OpenRecordset("Table1")  
rs3.MoveFirst  
While Not rs3.EOF  
If Combo2.Text = rs3!product Then  
Combo3.AddItem rs3!price  
Combo4.AddItem rs3!Weight  
End If
```

```
rs3.MoveNext  
Wend  
End Sub
```

```
Private Sub Command1_Click()  
On Error Resume Next  
rs.AddNew  
rs!dealname = Combo1.Text  
rs!itemname = Combo2.Text  
rs!price = Combo3.Text  
rs!quantity = Text3.Text  
rs!amount = Text2.Text  
rs!date1 = Text1.Text  
rs!time1 = Text4.Text  
rs!Weight = Combo4.Text  
rs.Update  
result = MsgBox("Saved Successfully.", style, "Supermarket Billing 1.0")  
Unload Me  
Load Form7  
Form7.Show  
Form7.Move 0, 0  
End Sub
```

```
Private Sub Command2_Click()
```

```
Unload Me
Load Form7
Form7.Show
Form7.Move 0, 0
End Sub
```

```
Private Sub Command3_Click()
Unload Me
End Sub
```

```
Private Sub Command5_Click()
End Sub
```

```
Private Sub Command6_Click()
rs.Delete
End Sub
```

```
Private Sub Form_Load()
Command1.Enabled = False
Text1.Text = Date
Set db1 = OpenDatabase(App.Path + "\deal1.mdb")
Set rs1 = db1.OpenRecordset("Table1")
Set rs2 = db1.OpenRecordset("Select distinct dealer from Table1 ")
Set rs4 = db1.OpenRecordset("Table1")
'Set db4 =apppath+ OpenDatabase("c:\employee\transaction.mdb")
'opens record from transaction database
Set db2 = OpenDatabase(App.Path + "\save.mdb")
Set rs = db2.OpenRecordset("Table1")
'saves the purchased data to updated data
rs2.MoveFirst
While Not rs2.EOF
Combo1.AddItem rs2!dealer
rs2.MoveNext
Wend
End Sub
```

```
Private Sub Text1_Change()  
End Sub
```

```
Private Sub Text2_Change()  
Command1.Enabled = True  
End Sub
```

```
Private Sub Text3_Change()  
Text2.Text = Val(Combo3.Text) * Val(Text3.Text)  
End Sub
```

```
Private Sub Timer1_Timer()  
Text4.Text = Time  
End Sub
```

## Add New Product

The screenshot shows a window titled "SUPERMARKET BILLING SYSTEM" with a menu bar containing "Bill", "Stock", "Dealer", "Employee", "Password", and "Help". The main area is titled "ADD NEW ITEMS" and contains the following fields and buttons:

CODE	<input type="text" value="10"/>
Dealer Name	<input type="text"/>
Product Name	<input type="text"/>
Enter Weight	<input type="text"/>
Price	<input type="text"/>

At the bottom, there are three buttons: "Add New", "Save", and "Home".



## **Coding**

```
Dim db1 As Database
Dim rs1 As Recordset
Dim rs2 As Recordset
Dim i As Integer

Private Sub Command1_Click()
rs1!code = Text1.Text
rs1!dealer = Combo1.Text
rs1!product = Text5.Text
rs1!price = Text6.Text
rs1!Weight = Text2.Text
rs1.Update
Command1.Enabled = False
Command3.Enabled = True
Text1.Text = ""
Text5.Text = ""
Text6.Text = ""
Text2.Text = ""
Combo1.Clear
```

```
End Sub
```

```
Private Sub Command2_Click()
```

```
Unload Me
```

```
End Sub
```

```
Private Sub Command3_Click()
```

```
i = i + 1
```

```
Text1.Text = i
```

```
rs1.AddNew
```

```
Text1.Enabled = False
```

```
Combo1.Enabled = True
```

```
Text5.Enabled = True
```

```
Text6.Enabled = True
```

```
Text2.Enabled = True
```

```
Command1.Enabled = True
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Command3.Enabled = True
```

```
Command1.Enabled = False
```

```
Text1.Enabled = False
```

```
'saving the current records
```

```
Set db1 = OpenDatabase(App.Path + "\deal1.mdb")
```

```
Set rs1 = db1.OpenRecordset("Table1")
```

```
'calling the dealer name field from other database
```

```
Set db = OpenDatabase(App.Path + "\deal.mdb")
```

```
Set rs2 = db.OpenRecordset("Select name from Table1")
```

```
rs2.MoveFirst
```

```
While Not rs2.EOF
```

```
Combo1.AddItem rs2!Name
```

```
rs2.MoveNext
```

```
Wend
```


```
rs1.MoveLast
```

```
Text1.Text = rs1!code
```

```
i = rs1!code
```

```
End Sub
```

**Add a Dealer**

 SUPERMARKET BILLING SYSTEM

Bill Stock Dealer Employee Password Help

ADD A DEALER

Dealer Code

Dealer Name

Dealer Organization

Dealer Address

Phone Number

Add New

Save

Home


**Coding**

```
Dim db1 As Database
Dim rs1 As Recordset
Dim rs2 As Recordset
Dim i As Integer
Private Sub Command1_Click()
rs1!code = Text1.Text
rs1!dealer = Combo1.Text
rs1!product = Text5.Text
rs1!price = Text6.Text
rs1!Weight = Text2.Text
rs1.Update
Command1.Enabled = False
Command3.Enabled = True
Text1.Text = ""
Text5.Text = ""
Text6.Text = ""
Text2.Text = ""
Combo1.Clear
End Sub

Private Sub Command2_Click()
Unload Me
End Sub

Private Sub Command3_Click()
i = i + 1
Text1.Text = i
rs1.AddNew
Text1.Enabled = False
Combo1.Enabled = True
Text5.Enabled = True
Text6.Enabled = True
Text2.Enabled = True
Command1.Enabled = True
End Sub
```

**View Sold Stock**

 SUPERMARKET BILLING SYSTEM

←

📄

✖

Bill Stock Dealer Employee Password Help

## View Sold Stock

Choose The Product

Quantity in Hand

Quantity Sold Out

Balance Stock

Home

**Coding**

```
Dim db As Database
Dim db1 As Database
Dim db2 As Database
Dim rs As Recordset
Dim rs1 As Recordset
Dim rs2 As Recordset
Dim rs3 As Recordset
Dim rs4 As Recordset
Dim style As VbMsgBoxStyle
Dim result As VbMsgBoxResult

Private Sub Combo1_Click()
Set rs1 = db.OpenRecordset("Select * from Table1 ")
Text2.Text = ""
rs1.MoveFirst
While Not rs1.EOF
If Combo1.Text = rs1!product Then
Text2.Text = Val(rs1!quantity) + Val(Text2.Text)
End If
rs1.MoveNext
Wend
Set rs2 = db1.OpenRecordset("Table1")
Set rs2 = db1.OpenRecordset("Select * from Table1 ")
Text1.Text = ""
rs2.MoveFirst
While Not rs2.EOF
If Combo1.Text = rs2!itemname Then
Text1.Text = Val(rs2!quantity) + Val(Text1.Text)
End If
rs2.MoveNext
Wend
Text3.Text = Val(Text1.Text) - Val(Text2.Text)
If Val(Text3.Text) <= 4 Then
result = MsgBox("WARNING STOCK LOW !!!.", style, "Supermarket
```





```
Billing 1.0")
End If
End Sub
Private Sub Command1_Click()
Unload Me
End Sub

Private Sub Command2_Click()
CrystalReport1.Action = False
End Sub

Private Sub Form_Load()
Set db = OpenDatabase(App.Path + "\bill.mdb")
Set rs = db.OpenRecordset("Select distinct product from Table1 ")
rs.MoveFirst
While Not rs.EOF
Combo1.AddItem rs!product
rs.MoveNext
Wend
Set db1 = OpenDatabase(App.Path + "\save.mdb")
End Sub
```



# Update Selling Price

 **SUPERMARKET BILLING SYSTEM**   

Bill Stock Dealer Employee Password Help

## Update only those Products whose Selling Price has not been Entered

Products in The Stock	<input type="text"/>
Product Name	<input type="text"/>
Dealer Price	<input type="text"/>
Dealer Price	<input type="text"/>
Stock in Hand	<input type="text"/>
Weight	<input type="text"/>
Enter The Selling Price	<input type="text"/>

## **Coding**

```
Dim style As VbMsgBoxStyle
Dim result As VbMsgBoxResult
Dim db As Database
Dim db1 As Database
Dim rs As Recordset
Dim rs1 As Recordset
Dim rs2 As Recordset

Private Sub Combo1_Click()
Set rs1 = db.OpenRecordset("select * from Table1 ")
Text3.Text = ""
rs1.MoveFirst
While Not rs1.EOF
If Combo1.Text = rs1!itemname Then
Text3.Text = Val(rs1!quantity) + Val(Text3.Text)
Text7.Text = rs1!itemname
Text1.Text = rs1!dealername
Text2.Text = rs1!price
Text4.Text = rs1!Weight
'Text5.Text = ""
Text6.Text = ""
rs2.MoveFirst
While Not rs2.EOF
If Combo1.Text = rs2!product Then
'Text5.Text = rs2!code
Text6.Text = rs2!sellingprice
Else
'Text5.Text = ""
'Text6.Text = ""
'Text5.SetFocus
End If
rs2.MoveNext
Wend
End If
rs1.MoveNext
```

Wend

```
End Sub
Private Sub Command2_Click()
rs2.AddNew
rs2!product = Text7.Text
rs2!dealer = Text1.Text
rs2!dealerprice = Text2.Text
rs2!quantity = Text3.Text
rs2!Weight = Text4.Text
rs2!sellingprice = Text6.Text
rs2.Update
result = MsgBox("Saved Successfully.", style, "Supermarket Billing 1.0")
Unload Me
Load Form10
Form10.Show
Form10.Move 0, 0
End Sub

Private Sub Command3_Click()
Unload Me
MDIForm1.Enabled = True
End Sub
Private Sub Form_Load()
Command2.Enabled = False
Set db1 = OpenDatabase(App.Path + "\stock.mdb")
Set rs2 = db1.OpenRecordset("Table1")
Set db = OpenDatabase(App.Path + "\save.mdb")
Set rs = db.OpenRecordset("Select distinct itemname from Table1")
rs.MoveFirst
While Not rs.EOF
Combo1.AddItem rs!itemname
rs.MoveNext
Wend
End Sub
Private Sub Text6_GotFocus()
Command2.Enabled = True
End Sub
```

```
Private Sub Text7_Change()  
End Sub
```

## View Old Bill

SUPERMARKET BILLING SYSTEM

Bill Stock Dealer Employee Password Help

### View Old Bill

Choose Customer

Customer Number

Date

Time

Serial No.	Product Name	Weight	Price	Quantity	Total

Home

## **Coding**


```
Dim rs As Recordset
Dim rs1 As Recordset
Dim db As Database

Private Sub Combo1_Click()
Set rs1 = db.OpenRecordset("select * from Table1 ")
List1.Clear
List2.Clear
List4.Clear
List5.Clear
List6.Clear
List7.Clear
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
rs1.MoveFirst
While Not rs1.EOF
If Combo1.Text = rs1!customername Then
Text1.Text = rs1!customernumber
Text2.Text = rs1!Date
Text3.Text = rs1!Time
List1.AddItem rs1!itemnumber
List2.AddItem rs1!product
List4.AddItem rs1!Weight
List5.AddItem rs1!price
List6.AddItem rs1!quantity
List7.AddItem rs1!totalprice
End If
rs1.MoveNext
Wend
End Sub
```

```
Private Sub Command1_Click()  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
Set db = OpenDatabase(App.Path + "\bill.mdb")  
Set rs = db.OpenRecordset("Select distinct customername from Table1")  
rs.MoveFirst  
While Not rs.EOF  
Combo1.AddItem rs!customername  
rs.MoveNext  
Wend  
End
```

## Create New Bill

 SUPERMARKET BILLING SYSTEM

Bill Stock Dealer Employee Password Help

Create New Bill

Customer Name

Customer Number

0

Product Number

1

Date

26/05/2008

Time

11:05:03 AM

Select The Product

Price

Weight

Quantity

Total Price

Add

Refresh

Remove

Home

Serial No.	Product Name	Weight	Price	Quantity	Total

Print

TOTAL Rs.

## **Coding**

```
Dim a As Integer
Dim b As Integer
Dim rs As Recordset
Dim rs1 As Recordset
Dim rs2 As Recordset
Dim rs3 As Recordset
Dim rs4 As Recordset
Dim rs5 As Recordset
Dim rs6 As Recordset
Dim db As Database
Dim db1 As Database
Dim db2 As Database
Dim i As Integer
Dim j As Integer

Private Sub Combo1_Click()
Set rs1 = db.OpenRecordset("Select * from Table1")
rs1.MoveFirst
Text4.Text = ""
Text5.Text = ""
While Not rs1.EOF
If Combo1.Text = rs1!product Then
Text3.Text = rs1!sellingprice
Text2.Text = rs1!Weight
End If
rs1.MoveNext
Wend
End Sub
```



```
Private Sub Command1_Click()  
On Error Resume Next  
rs2.AddNew  
rs2!customernumber = Text7.Text  
rs2!customername = Text10.Text  
rs2!itemnumber = Text6.Text  
rs2!product = Combo1.Text
```

```
'rs2!code = Text1.Text  
rs2!Weight = Text2.Text  
rs2!price = Text3.Text  
rs2!quantity = Text4.Text  
rs2!totalprice = Text5.Text  
rs2!Date = Text8.Text  
rs2!Time = Text9.Text  
rs2.Update  
Beep  
Beep  
rs4.AddNew  
rs4!customernumber = Text7.Text  
rs4!customername = Text10.Text  
rs4!itemnumber = Text6.Text  
rs4!product = Combo1.Text  
'rs4!code = Text1.Text  
rs4!Weight = Text2.Text  
rs4!price = Text3.Text  
rs4!quantity = Text4.Text  
rs4!totalprice = Text5.Text  
rs4!Date = Text8.Text  
rs4!Time = Text9.Text  
rs4.Update  
List1.AddItem Text6.Text  
List2.AddItem Combo1.Text  
'List3.AddItem Text1.Text  
List4.AddItem Text2.Text  
List5.AddItem Text3.Text  
List6.AddItem Text4.Text  
List7.AddItem Text5.Text
```

```
b = 0
For a = 0 To List7.ListCount - 1
b = b + Val(List7.List(a))
Label19.Caption = b
Next a
i = i + 1
Text6.Text = i
End Sub
```

```
Private Sub Command3_Click()
Unload Me
End Sub
```

```
Private Sub Command4_Click()
On Error Resume Next
List1.RemoveItem List1.ListCount - 1
List2.RemoveItem List2.ListCount - 1
'List3.RemoveItem List3.ListCount - 1
List4.RemoveItem List4.ListCount - 1
List5.RemoveItem List5.ListCount - 1
List6.RemoveItem List6.ListCount - 1
List7.RemoveItem List7.ListCount - 1
Label19.Caption = ""
i = i - 1
Text6.Text = i
End Sub
```

```
Private Sub Command5_Click()
db2.Execute ("delete * from Table1")
End Sub
```

```
Private Sub Form_Load()
Text8.Text = Date
Set db = OpenDatabase(App.Path + "\stock.mdb")
Set rs = db.OpenRecordset("Select product from Table1")
rs.MoveFirst
While Not rs.EOF
Combo1.AddItem rs!product
```

```
rs.MoveNext
Wend
Set db1 = OpenDatabase(App.Path + "\bill.mdb")
Set rs2 = db1.OpenRecordset("Table1")
Set db2 = OpenDatabase(App.Path + "\temp.mdb")
Set rs4 = db2.OpenRecordset("Table1")
db2.Execute ("delete * from Table1")
```

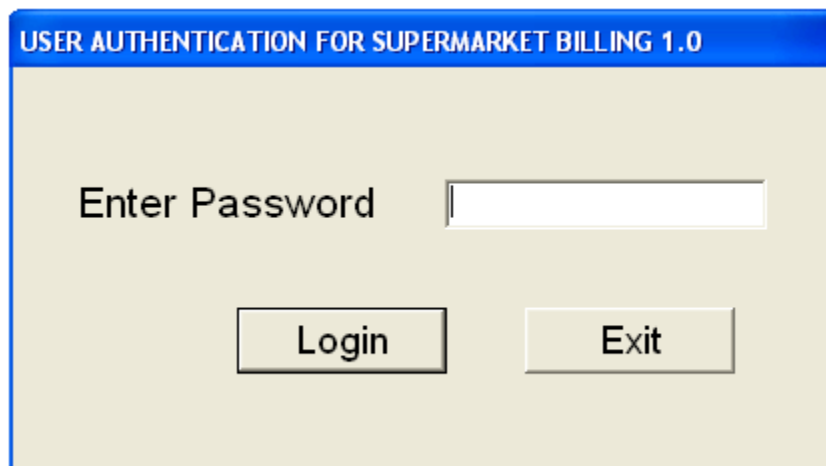
```
i = 1
Text6.Text = i
j = 0
Text7.Text = j
End Sub
Private Sub Label5_Click()
End Sub

Private Sub Text4_Change()
Text5.Text = Val(Text3.Text) * Val(Text4.Text)
End Sub

Private Sub Timer1_Timer()
Text9.Text = Time
End Sub
```

+

## Login



A screenshot of a software window titled "USER AUTHENTICATION FOR SUPERMARKET BILLING 1.0". The window has a blue title bar and a light beige main area. Inside, the text "Enter Password" is followed by a white text input field. Below the input field are two buttons: "Login" and "Exit".

USER AUTHENTICATION FOR SUPERMARKET BILLING 1.0

Enter Password

Login Exit

## **Coding**

```
Dim db As Database
Dim rs As Recordset
Dim style As VbMsgBoxStyle
Dim result As VbMsgBoxResult

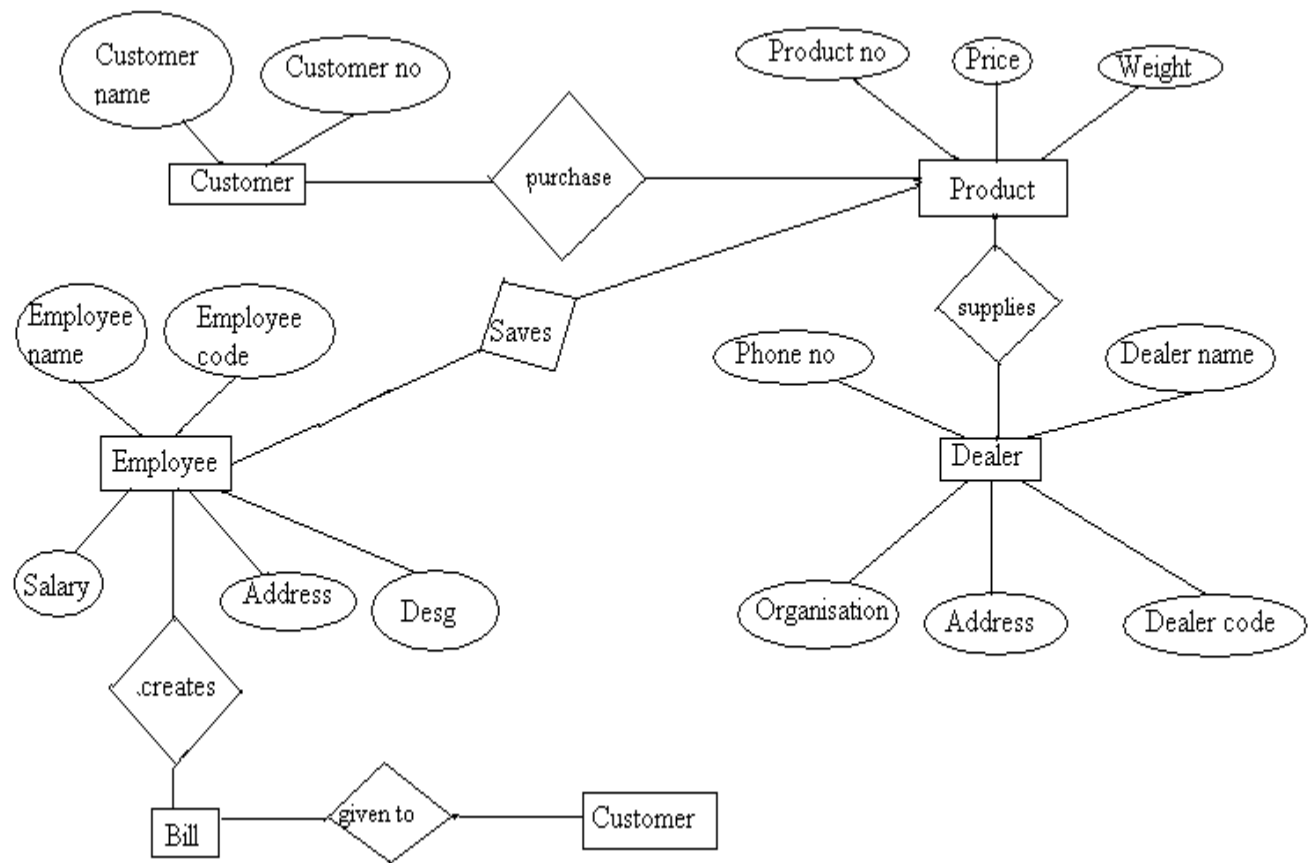
Private Sub Command1_Click()
If Text1.Text = rs!Password Then
style = vbOKOnly + vbInformation
result = MsgBox("Correct Password.", style, "Supermarket Billing 1.0")
Unload Me
Load MDIForm1
MDIForm1.Show
Else
result = MsgBox("Incorrect Password.", style, "Supermarket Billing 1.0")
Text1.Text = ""
Text1.SetFocus
End If
End Sub

Private Sub Command2_Click()
End
End Sub
```

```
Private Sub Form_Load()  
Set db = OpenDatabase(App.Path + "\password.mdb")  
Set rs = db.OpenRecordset("Table1")  
End Sub
```

## **Data Flow Diagram For Supermarket Billing System**





## **Conclusion of Project**



Our project is on supermarket Billing System. We have successfully completed it. We take this opportunity to express our sense of indebtedness and gratitude to all those people who helped us in completing this project.

We are immensely grateful to our esteemed faculty guide Assistant Prof. Mr Vijay Singh Rathore and other faculties for their supervision and guidance without which this work would not have been possible. This project has contributed a lot to my knowledge that has proved to be a value addition for me.