

**NEAR EAST UNIVERSITY**

**FACULTY OF ECONOMICS AND  
ADMINISTRATIVE SCIENCES**

**DEPARTMENT OF COMPUTER  
INFORMATION SYSTEM**

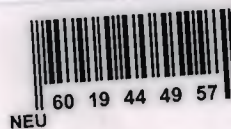
**2004/2005 SPRING TERM  
CIS 200  
(Graduation Project)**

**Pharmacy Information System**

**Submitted To : Dept. Of CIS**

**Submitted By : Simge Özer (20020535)**

**Lefkoşa  
2005**



# **CONTENTS**

	<b><u>PAGES</u></b>
I. ACKNOWLEDGEMENTS.....	3
II. ABSTRACT.....	4
III. INTRODUCTION.....	5
IV. EXPLANATION OF THE SYSTEM	
➤ System Block Diagram.....	12
➤ Database Design.....	13
V. USER MANUAL.....	16
VI. LIST OF THE PROGRAM	
➤ User Flow Chart.....	17
➤ Source Program.....	37
➤ Screen Outputs.....	64
VII. REFERENCES.....	72

## **I. ACKNOWLEDGEMENT**

**I would like to thanks Dr. Yalçın Akçalı, Miss Nadire Çavuş, Mr. Mustafa Menekay and Mr. Ümit İlhan who are my teachers. And I would like to thanks to my friends Akgün Bozoklar and Kemal Besimler which helped me in the school about moral and for the project.**

## **II. ABSTRACT**

### **Pharmacy Information System**

I decided to prepare Pharmacy Information System program in my graduation project. That program is related with a pharmacy company which includes details of Drug Inventory, Drug History, Customers who buy the drugs from us, Employee, Invoice, Prescription, Supplier and Type is related buying and selling medicines to our customers. That program will store buying and selling transactions of our pharmacy.



### **III. INTRODUCTION**

#### **Pharmacy Information System**

I decided to prepare Pharmacy Information System program in my graduation project. That program is related with a pharmacy company which includes details of Drug Inventory, Drug History, Customers who buy the drugs from us, Employee, Invoice, Prescription, Supplier and Type is related buying and selling medicines to our customers. That program will store buying and selling transactions of our pharmacy.

I decided to prepare eight processes in my program, these are;

1. Customer Process
2. Drug Inventory Process
3. Drug History Process
4. Employee Process
5. Invoice Process
6. Prescription Process
7. Supplier Process
8. Type Process

#### **1.Customer Process:**

Customer Process is related with customers which include details of customers. When our customers or any customer wants to buy a new medicine from us we are checking our database from pharmacy information system and than entering to database detail of our customers or new customers to Customer Process. This process will have private informations which these are Cust\_ID, Last\_Name, First\_Name, Address, City, Province, Postal\_Code, Balance, Physician, Birth\_Date, Drus\_to\_Date, Phone, Insurance\_Company, Policy\_No and Expry\_Date.

## **2. Drug Inventory Process:**

Drug Inventory Process is related with drugs which include details of drugs. When our pharmacy company wants to buy a new drug they are checking their database from pharmacy information system and then if it does not exist on the database their buying new drug or medicine and entering to database detail of new drug to Drug Inventory Process.

## **3. Drug History Process:**

Drug History Process is related with Cust\_ID, Prescription\_History, Date\_Prescription\_Filled, Pills\_in\_Prescription, Amount\_Due, Description and Drug\_ID. It is used for extra information about Drug.

## **4. Employee Process:**

Employee Process is related with Employees who work with us. Employee Process includes some personal information about; Employee\_ID, Last\_Name, First\_Name, Address, City, Province, Postal\_Code and Phone. When a new person wants to work with us we will enter its information to the Employee Process of database from pharmacy information system.

## **5. Invoice Process:**

Invoice Process is related with details of all invoices, like; Invoice\_Number, Date, Cust\_Name, Physician, Policy, Drug\_Name, Pills, Price and Total.



## **6.Prescription Process:**

Prescription Process is used for to be a relation between Customer Process and Drug Inventory Process. It includes; Cust\_ID, Drug\_ID and Date.

## **7.Supplier Process:**

Supplier Process is related with firms which we give ordes to them and which we want to buy their drug inventory from them. Supplier Process includes private informations, like; Supplier\_ID, Name, Contact, Title, Address, City, Province, Country, Postal\_Code, Phone and Fax. When a new supplier wants to sell their drugs to our pharmacy company we will enter its private information to Supplier Process of database from pharmacy information system.

## **8.Type Process:**

Type Process is related with detail of Drugs, it includes; Type\_ID and Desription of Drug Type.

I will use a visual basic programming to coding and I will use acces program for database.

<b><u>CUSTOMER</u></b>
<b>Cust_ID</b>
<b>Last_Name</b>
<b>First_Name</b>
<b>Address</b>
<b>City</b>
<b>Province</b>
<b>Postal_Code</b>
<b>Balance</b>
<b>Physician</b>
<b>Birth_Date</b>
<b>Drugs_to_Date</b>
<b>Phone</b>
<b>Insurance_Company</b>
<b>Policy_No</b>
<b>Expiry_Date</b>

<b><u>DRUG INVENTORY</u></b>
<b><u>Drug_ID</u></b>
<b>Name</b>
<b>Description</b>
<b>Amt_in_Stock</b>
<b>Supplier_ID</b>
<b>Supplier_Name</b>
<b>Type_ID</b>
<b>Price</b>
<b>Price_Per_Pill</b>



<b><u>DRUG HISTORY</u></b>
<b><u>Cust ID</u></b>
<b>Prescription_History</b>
<b>Date_Prescription_Filled</b>
<b>Pills_in_Prescription</b>
<b>Amount_Due</b>
<b>Description</b>
<b>Drug_ID</b>

<b><u>EMPLOYEE</u></b>
<b><u>Employee ID</u></b>
<b>Last_Name</b>
<b>First_Name</b>
<b>Address</b>
<b>City</b>
<b>Province</b>
<b>Postal_Code</b>
<b>Phone</b>

<b><u>INVOICE</u></b>
<b><u>Invoice Number</u></b>
<b>Date</b>
<b>Cusr_Name</b>
<b>Physician</b>
<b>Policy</b>
<b>Drug_Name</b>
<b>Pills</b>
<b>Price</b>
<b>Total</b>

<b><u>PRESCRIPTION</u></b>
<b>Cust_ID</b>
<b>Drug_ID</b>
<b>Date</b>

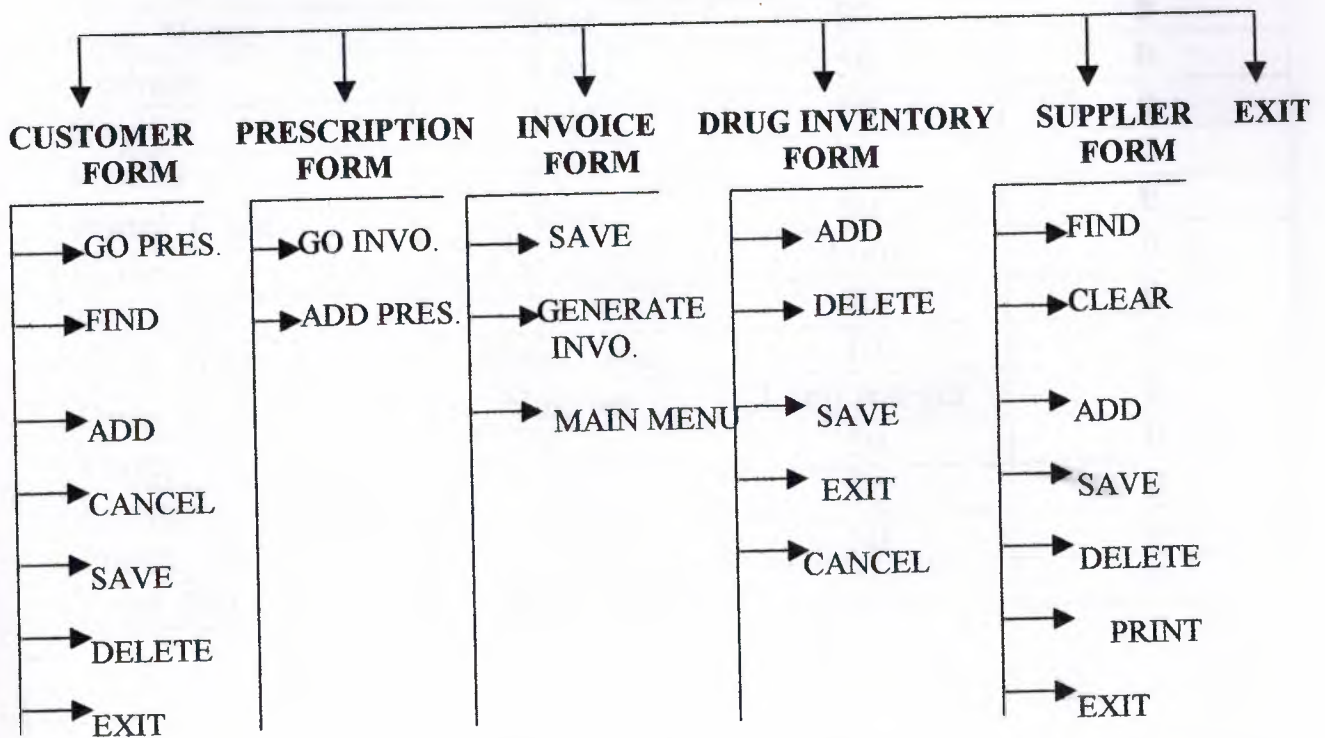
<b><u>SUPPLIER</u></b>
<b><u>Supplier ID</u></b>
<b>Name</b>
<b>Contact</b>
<b>Title</b>
<b>Address</b>
<b>City</b>
<b>Province</b>
<b>Country</b>
<b>Postal_Code</b>
<b>Phone</b>
<b>Fax</b>

<b><u>TYPE</u></b>
<b><u>Type ID</u></b>
<b>Description</b>



#### IV.

### SYSTEM BLOCK DIAGRAM OF PHARMACY INFORMATION SYSTEM



## IV. DATABASE DESIGN

### CUSTOMER DATABASE

FIELD NAME	TYPE	SIZE	DEC
Cust_ID	Auto Number	Long Integer	0
Last_Name	Text	50	0
First_Name	Text	50	0
Address	Text	50	0
City	Text	50	0
Province	Text	50	0
Postal_Code	Text	50	0
Balance	Currency	Auto	0
Physician	Text	50	0
Birth_Date	Date/Time	10	0
Drug_to_Date	Number	Long Integer	0
Phone	Text	50	0
Insurance_Company	Text	50	0
Policy_No	Text	50	0
Expr_Date	Date/Time	10	0

### DRUG INVENTORY DATABASE

FIELD NAME	TYPE	SIZE	DEC
Drug_ID	Auto Number	Long Integer	0
Name	Text	50	0
Description	Text	50	0
Amt_in_Stock	Number	Long Integer	0
Supplier_ID	Number	Long Integer	0
Supplier_Name	Text	50	0
Type_ID	Text	50	0
Price	Currency	Auto	0
Price_per_pill	Currency	Auto	0



## DRUG HISTORY DATABASE

FIELD NAME	TYPE	SIZE	DEC
Cust_ID	Number	Long Integer	0
Prescription_History	Text	50	0
Date_Prescription_Filled	Date/Time	10	0
Pills_in_Prescription	Number	Long Integer	0
Amount_Due	Currency	Auto	0
Description	Text	50	0
Drug_ID	Number	Long Integer	0

## EMPLOYEE DATABASE

FIELD NAME	TYPE	SIZE	DEC
Employee_ID	Auto Number	Long Integer	0
Last_Name	Text	50	0
First_Name	Text	50	0
Address	Text	50	0
City	Text	50	0
Province	Text	50	0
Postal_Code	Text	50	0
Phone	Text	50	0

## INVOICE DATABASE

FIELD NAME	TYPE	SIZE	DEC
Invoice_Number	Auto Number	Long Integer	0
Date	Date/Time	10	0
Cust_Name	Text	50	0
Physician	Text	50	0
Policy	Text	50	0
Drug_Name	Text	50	0
Pills	Number	Long Integer	0
Price	Currency	Auto	0
Total	Currency	Auto	0



## PRESCRIPTION DATABASE

<b>FILD NAME</b>	<b>TYPE</b>	<b>SIZE</b>	<b>DEC</b>
Cust_ID	Number	Long Integer	0
Drug_ID	Number	Long Integer	0
Date	Date/Time	10	0

## SUPPLIER DATABASE

<b>FIELD NAME</b>	<b>TYPE</b>	<b>SIZE</b>	<b>DEC</b>
Supplier_ID	Auto Number	Long Integer	0
Name	Text	50	0
Contact	Text	50	0
Title	Text	50	0
Address	Text	50	0
City	Text	50	0
Province	Text	50	0
Country	Text	50	0
Postal_Code	Text	50	0
Phone	Text	50	0
Fax	Text	50	0

## TYPE DATABASE

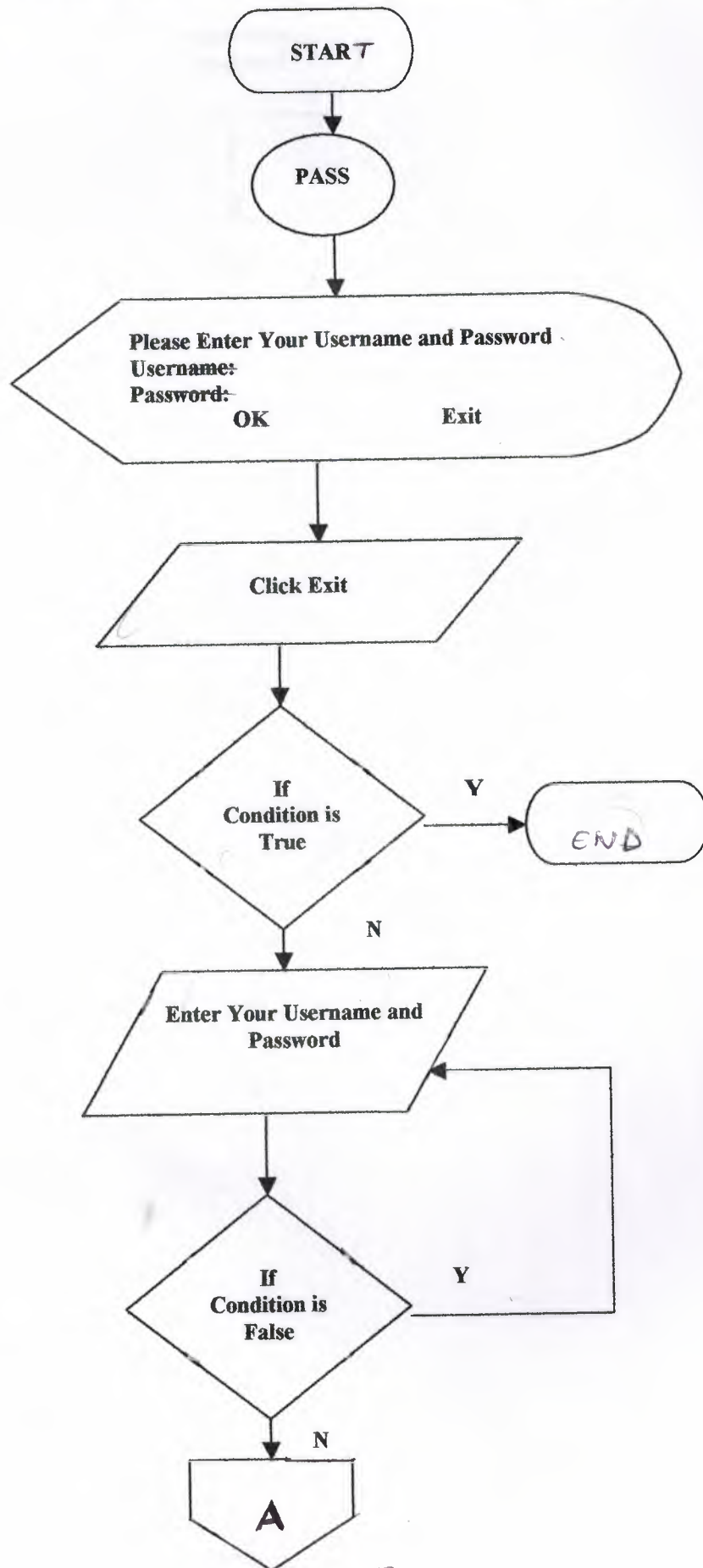
<b>FIELD NAME</b>	<b>TYPE</b>	<b>SIZE</b>	<b>DEC</b>
Type_ID	Text	50	0
Description	Text	50	0

## **V. USER MANUAL**

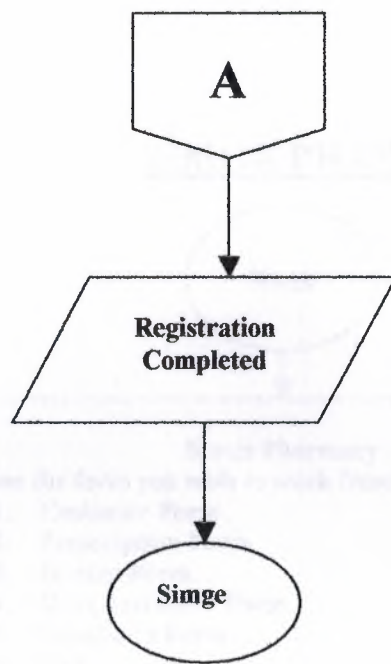
- 1. Put the CD into the CD ROM. Then click the “my computer” icon.**
- 2. Click CD ROM icon to open CD. Then click the folder Source Code.**
- 3. Then you must click “Simge Pharmacy Visual Basic Project” .**
- 4. And then you can also run the program.**

## IV. USER FLOW CHART

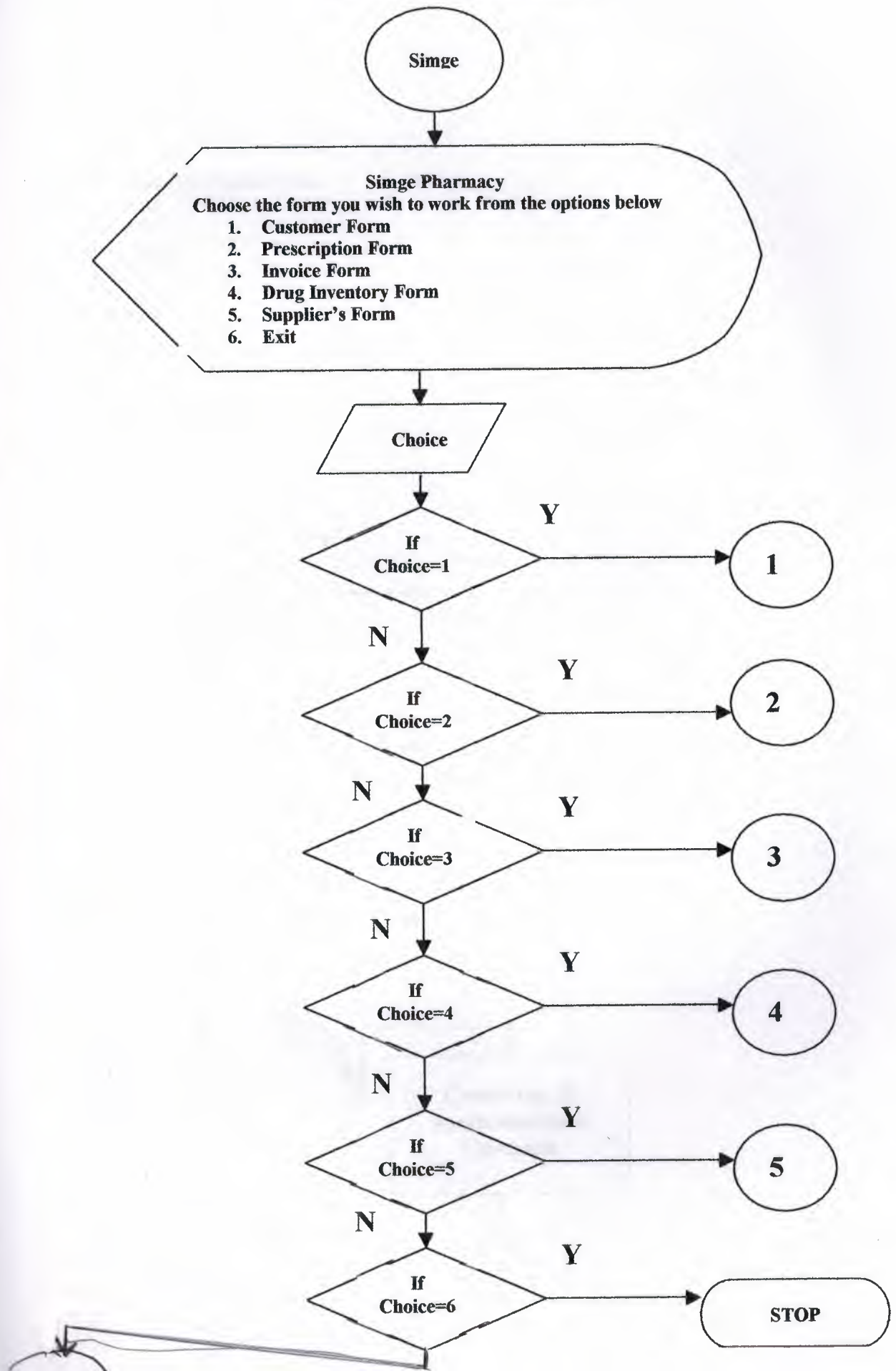
### PASSWORD REGISTRATION FOR PERSONAL



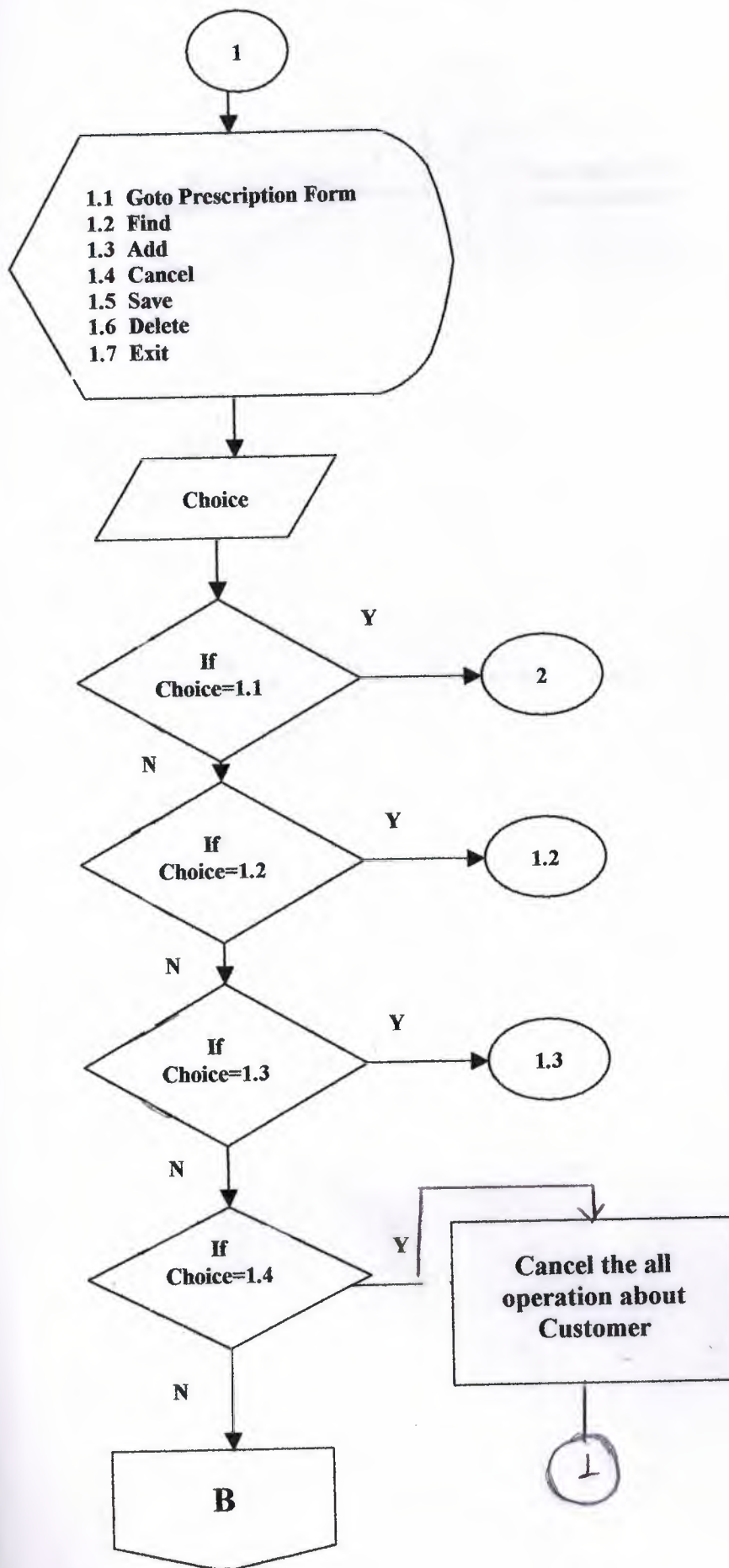




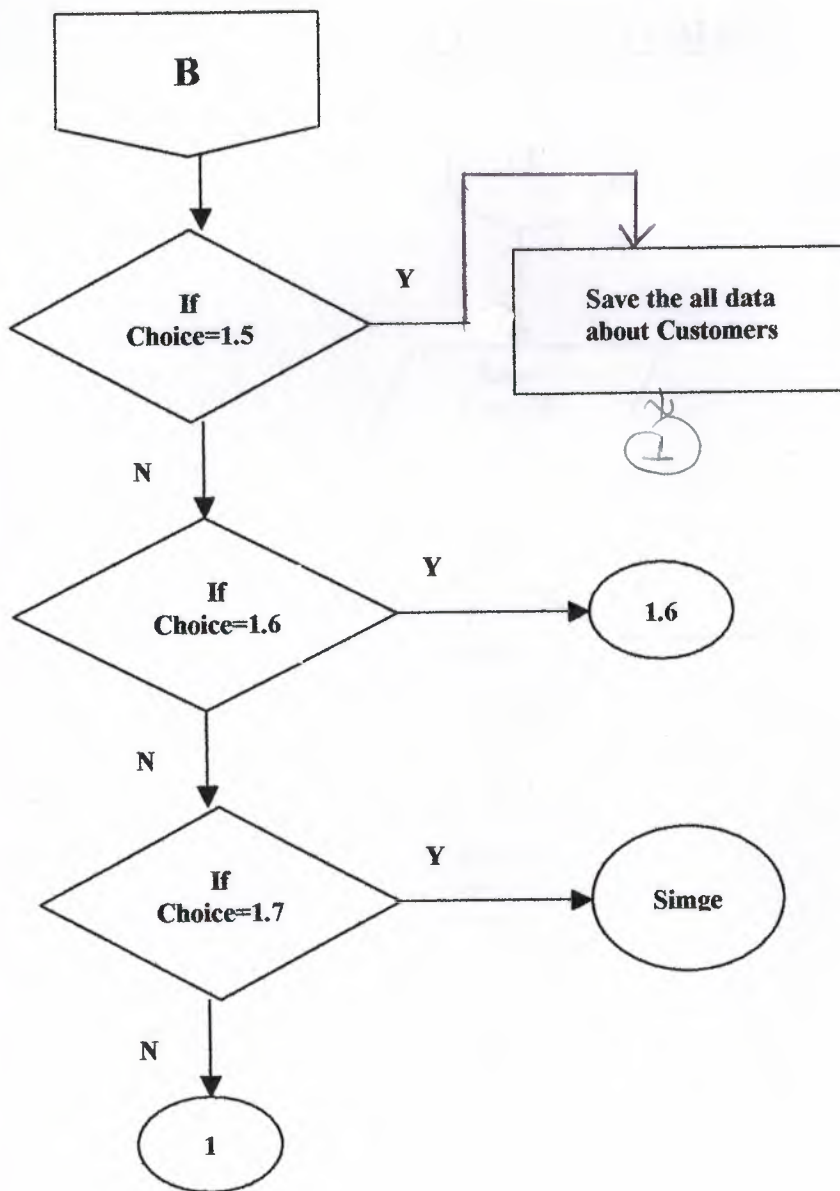
# SIMGE PHARMACY



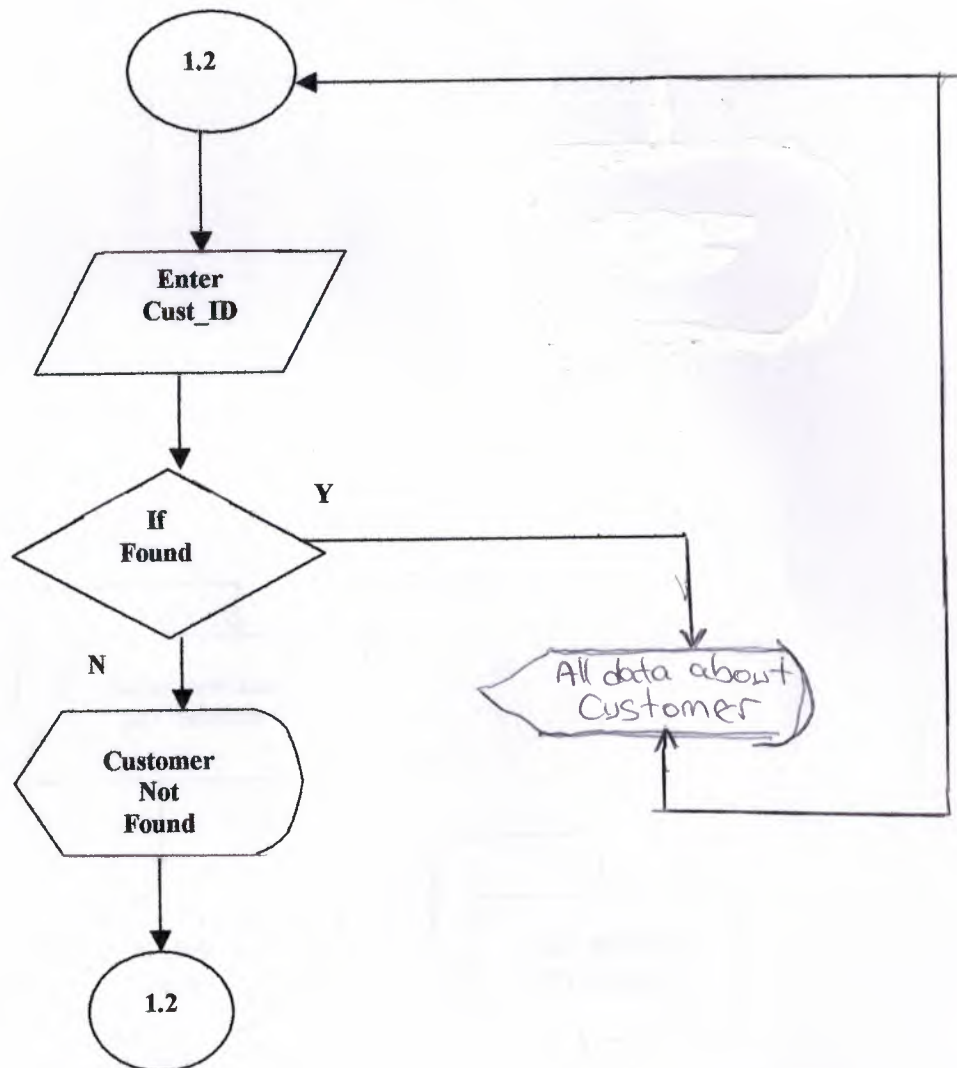
## CUSTOMER FORM



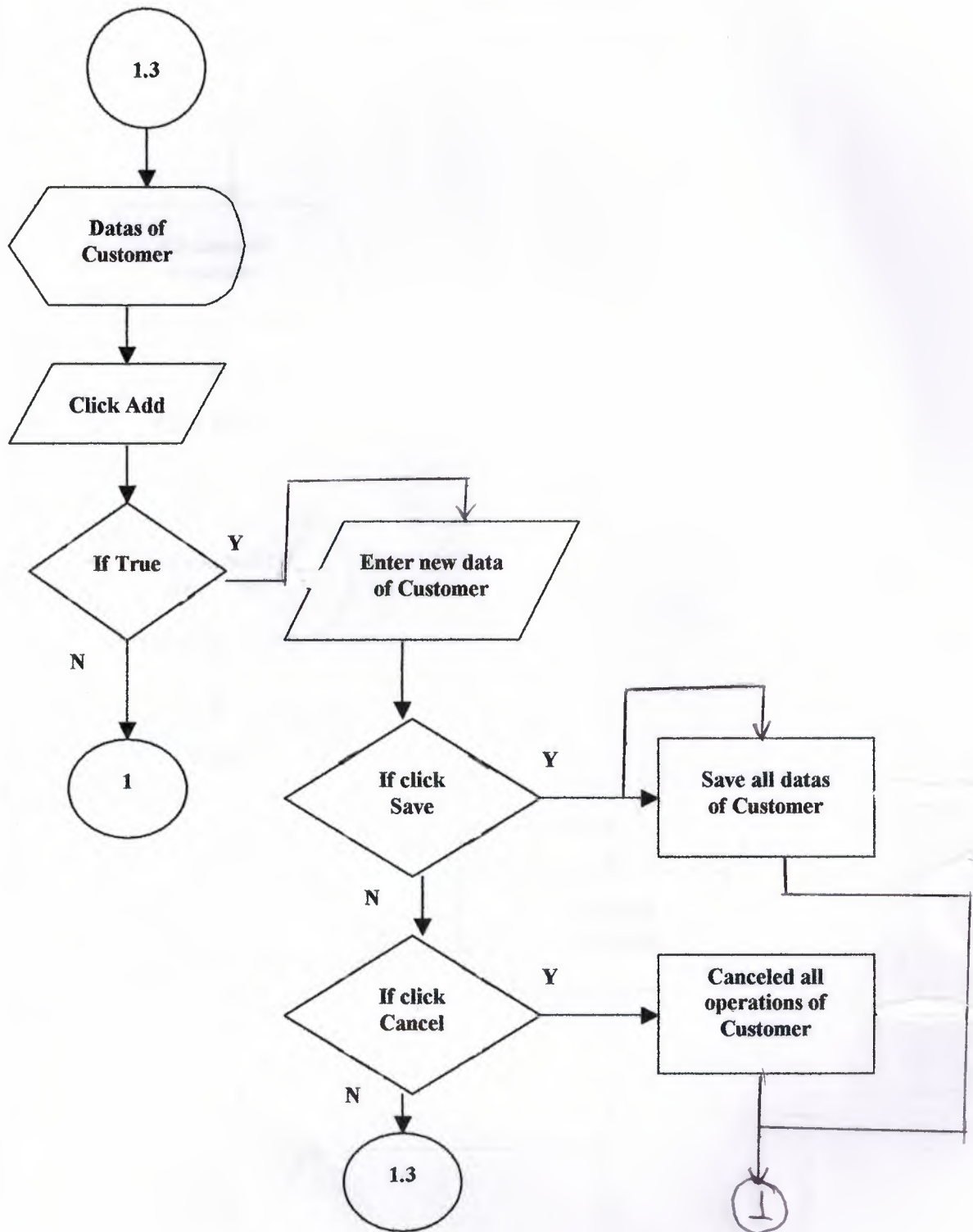




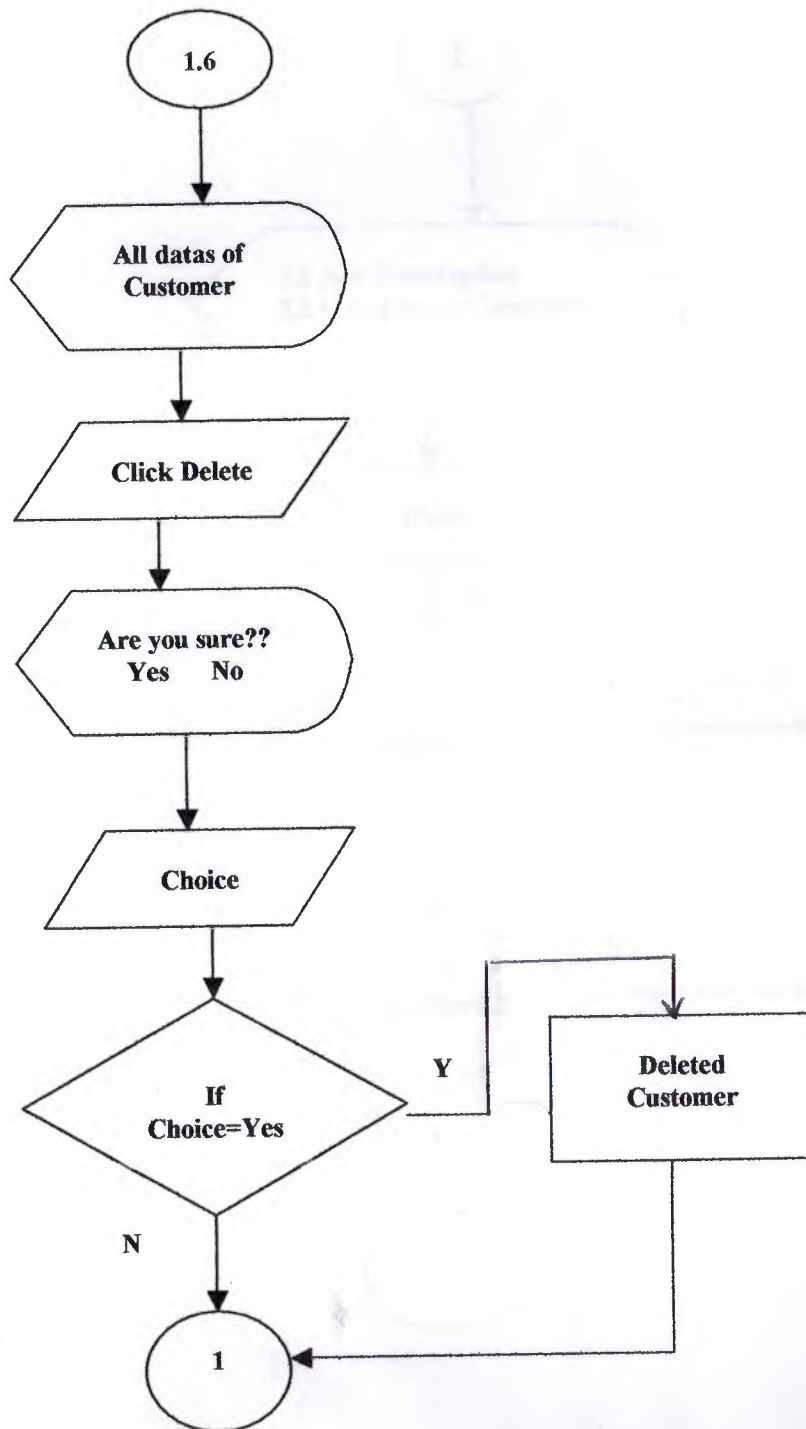
## FIND CUSTOMER



## ADD CUSTOMER

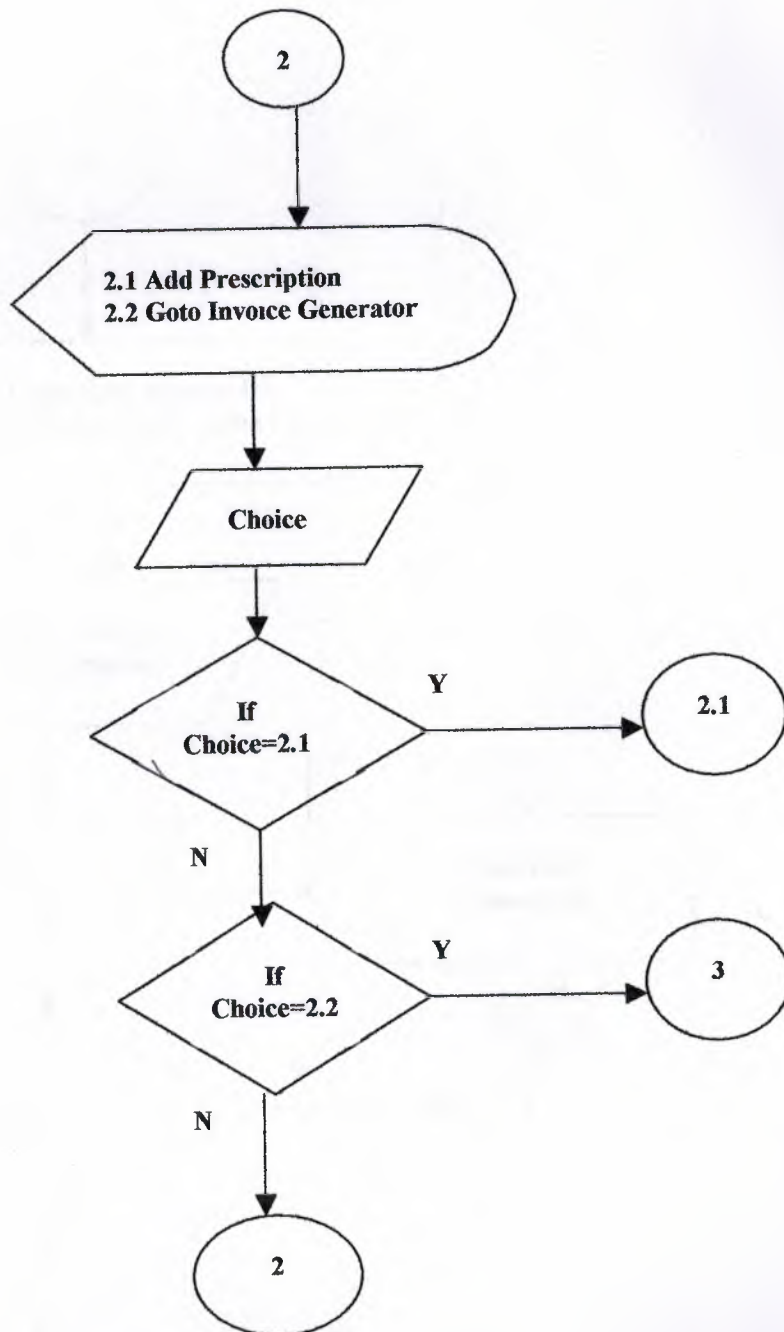


## DELETE CUSTOMER

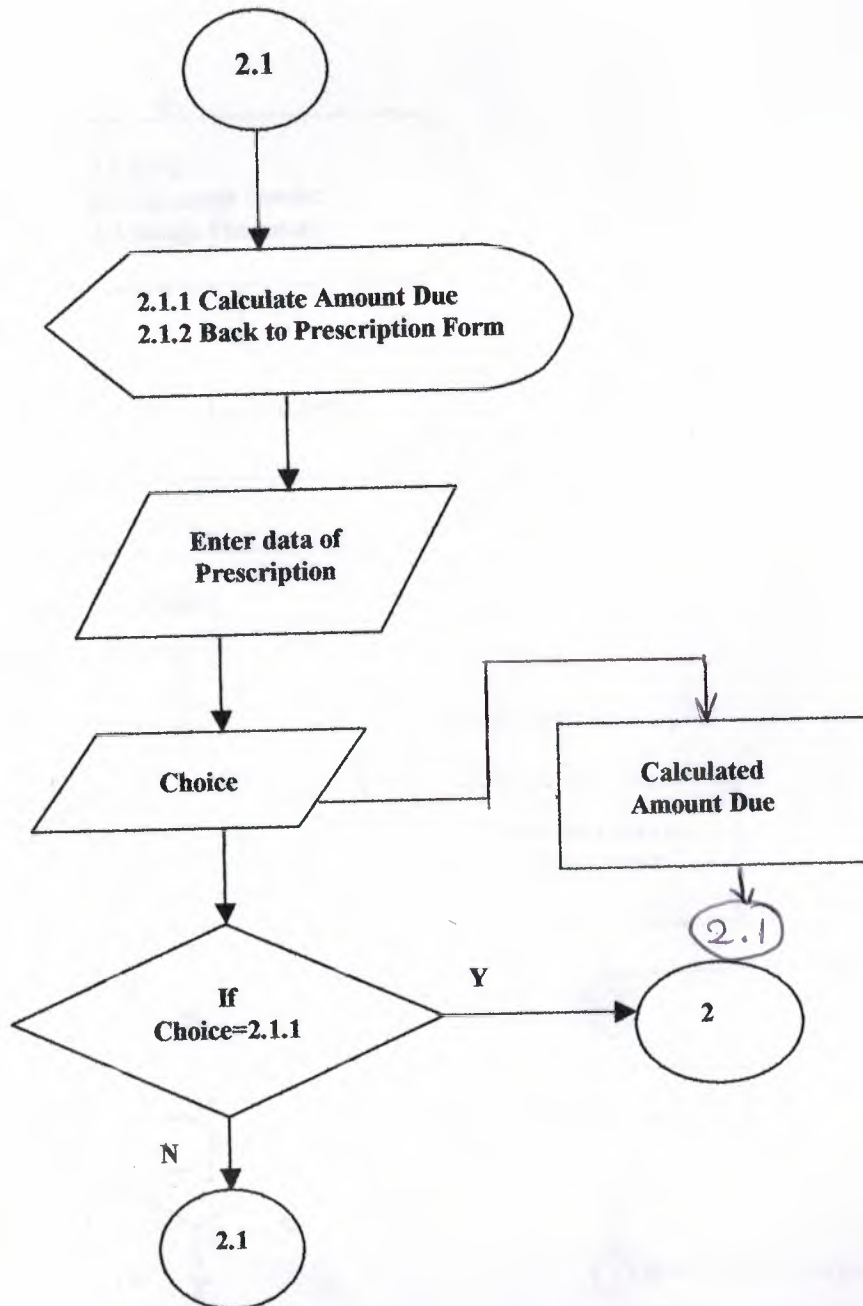




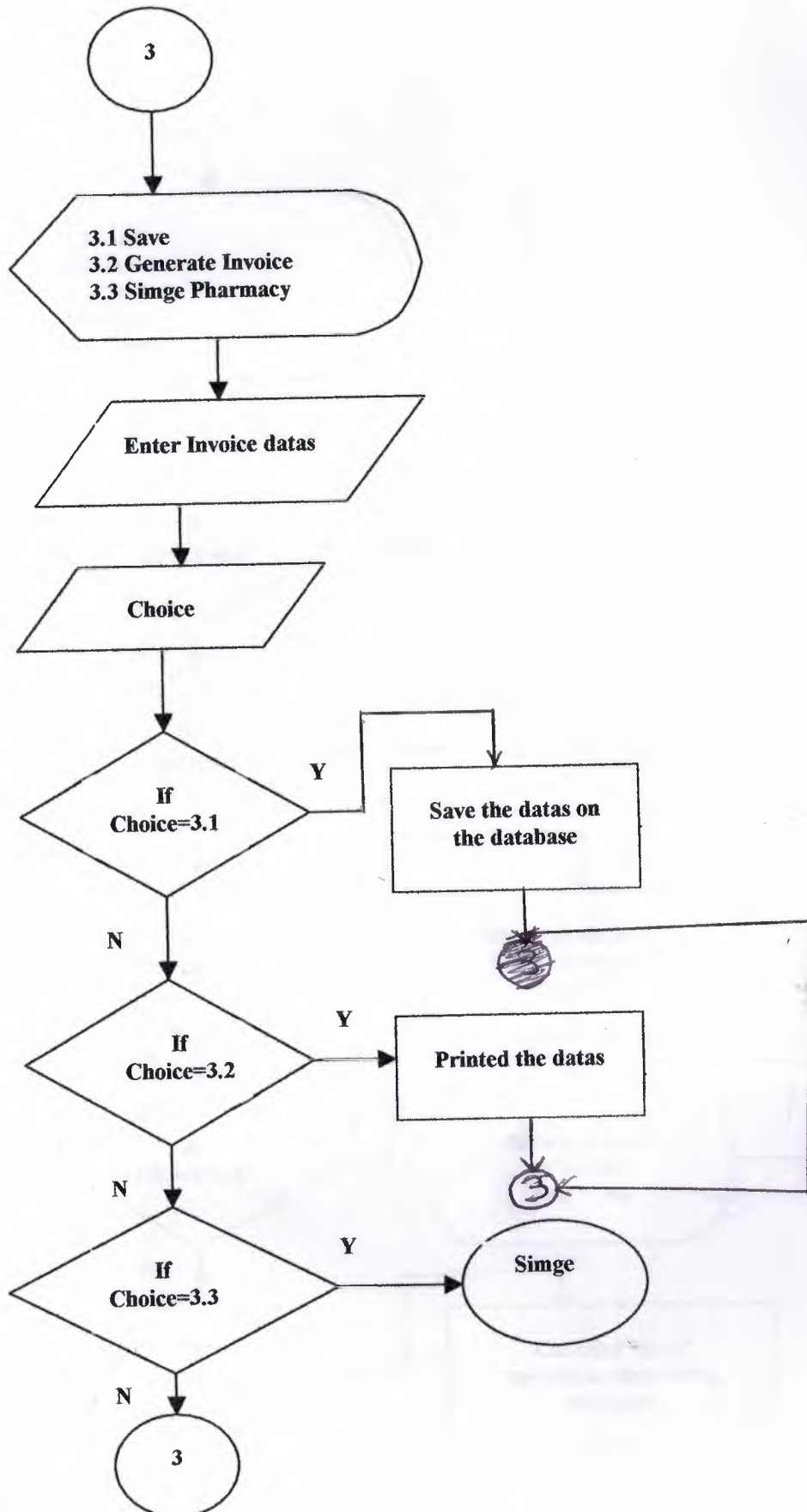
## **PRESCRIPTION FORM**



## ADD PRESCRIPTION

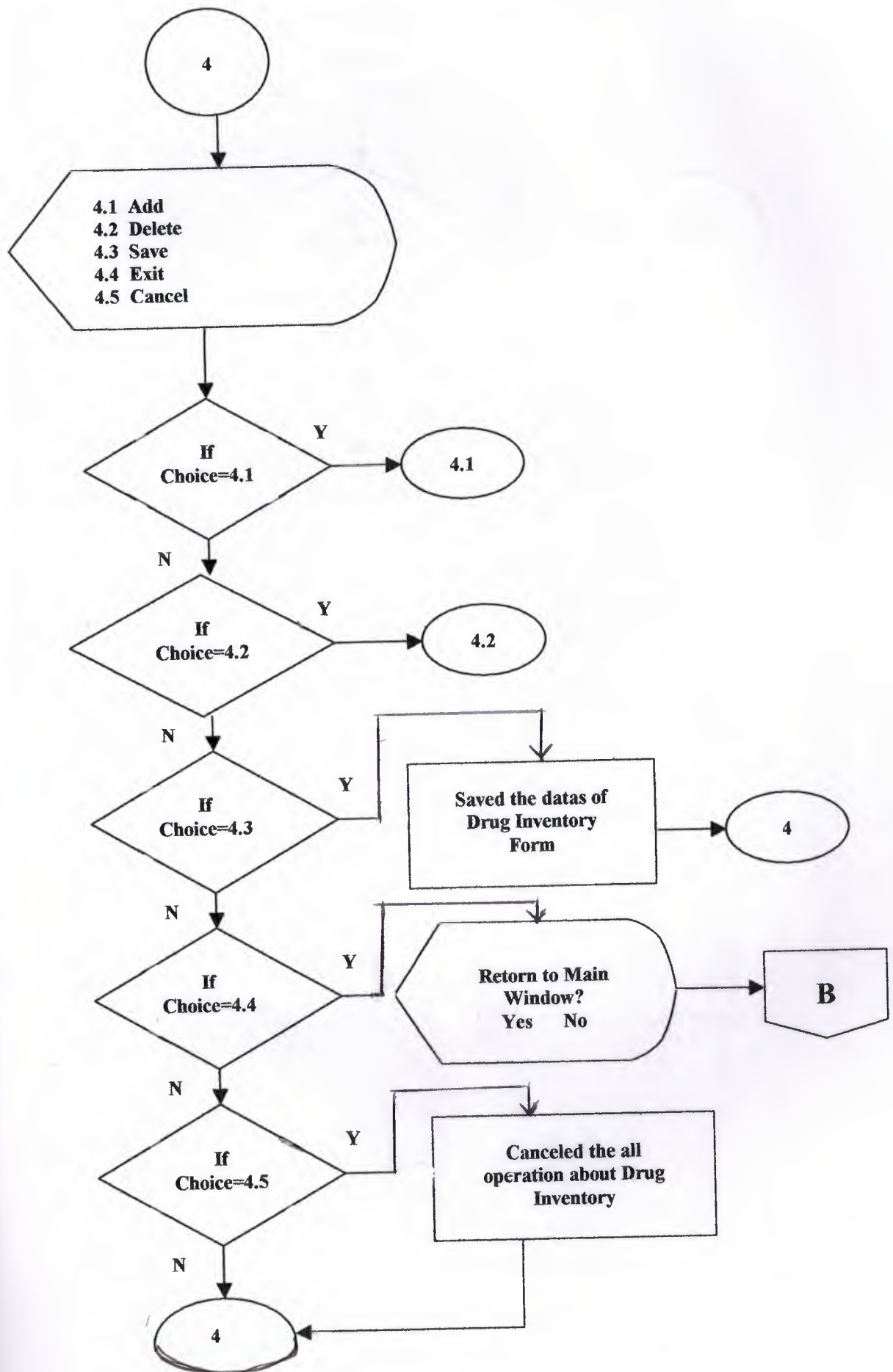


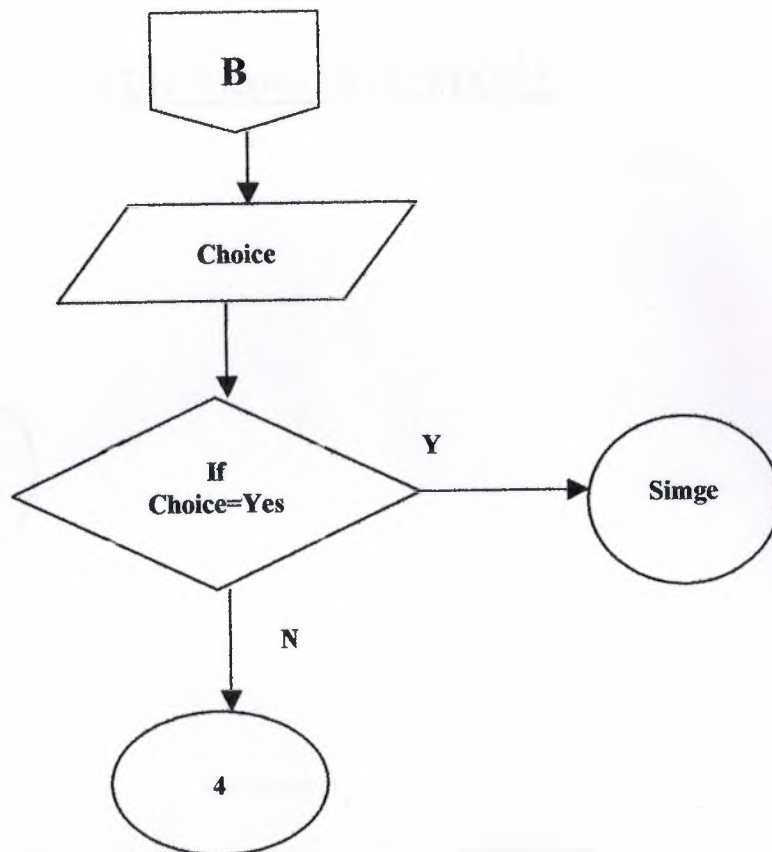
## INVOICE FORM



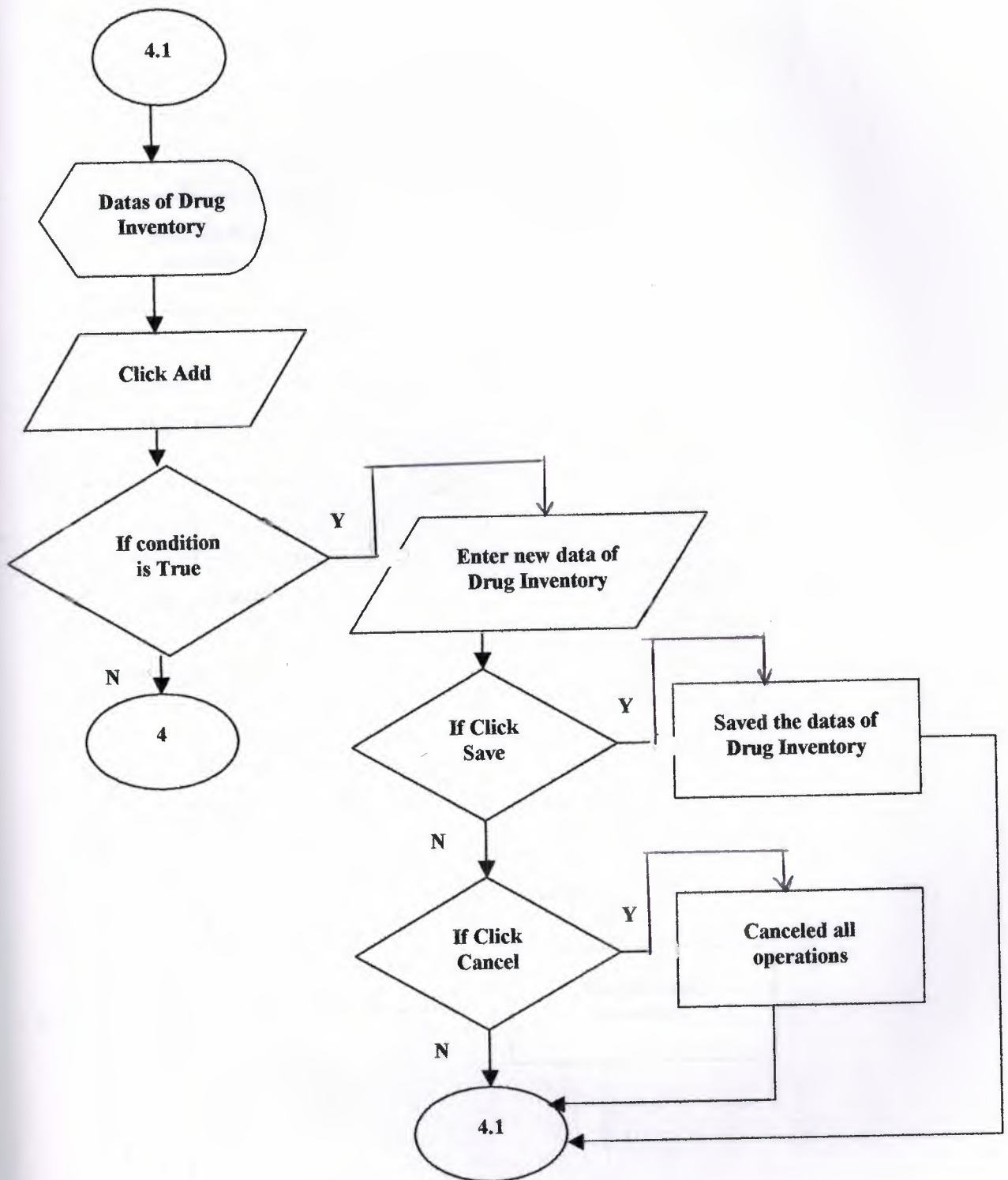


## DRUG INVENTORY FORM



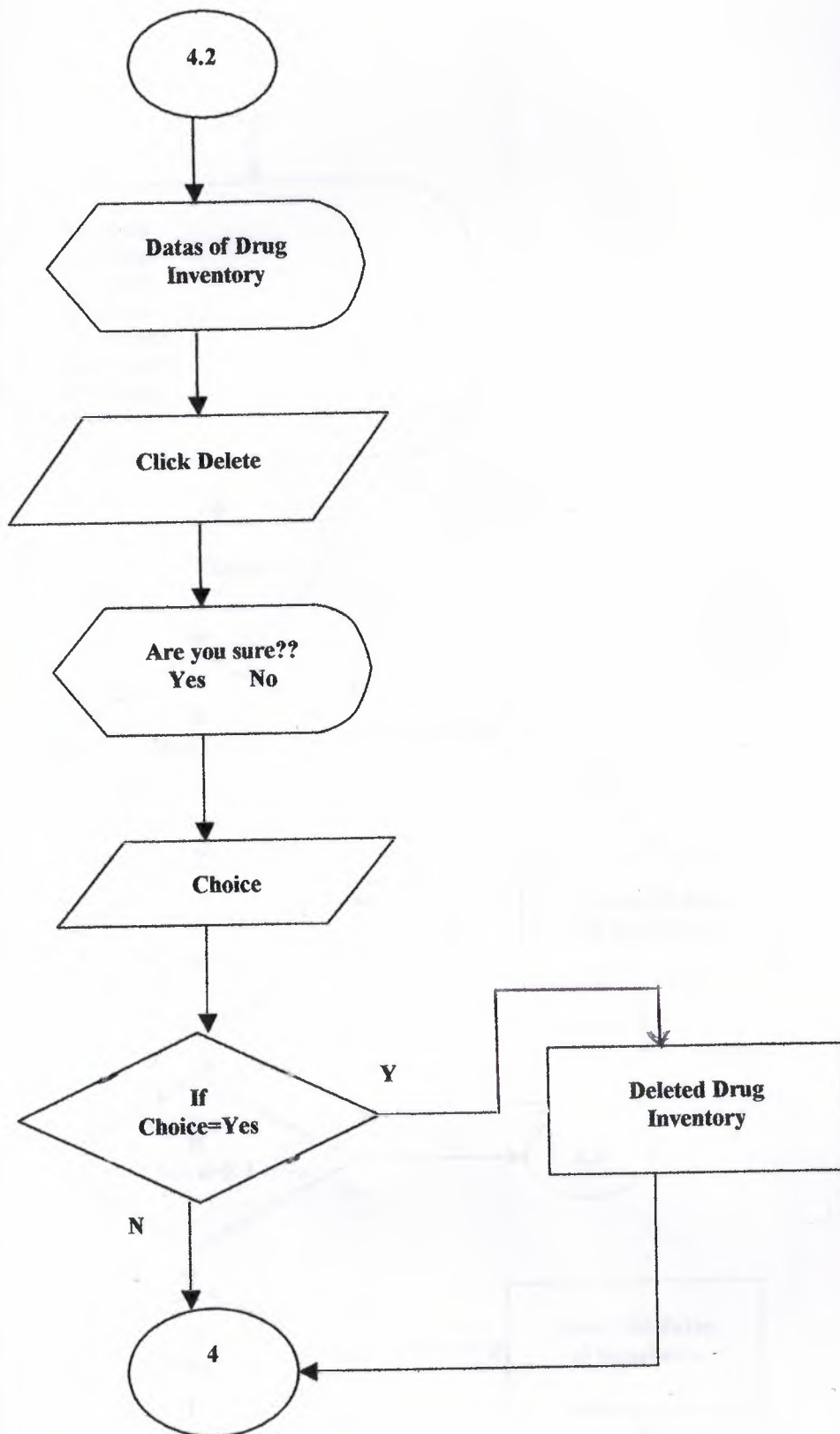


## ADD DRUG INVENTORY

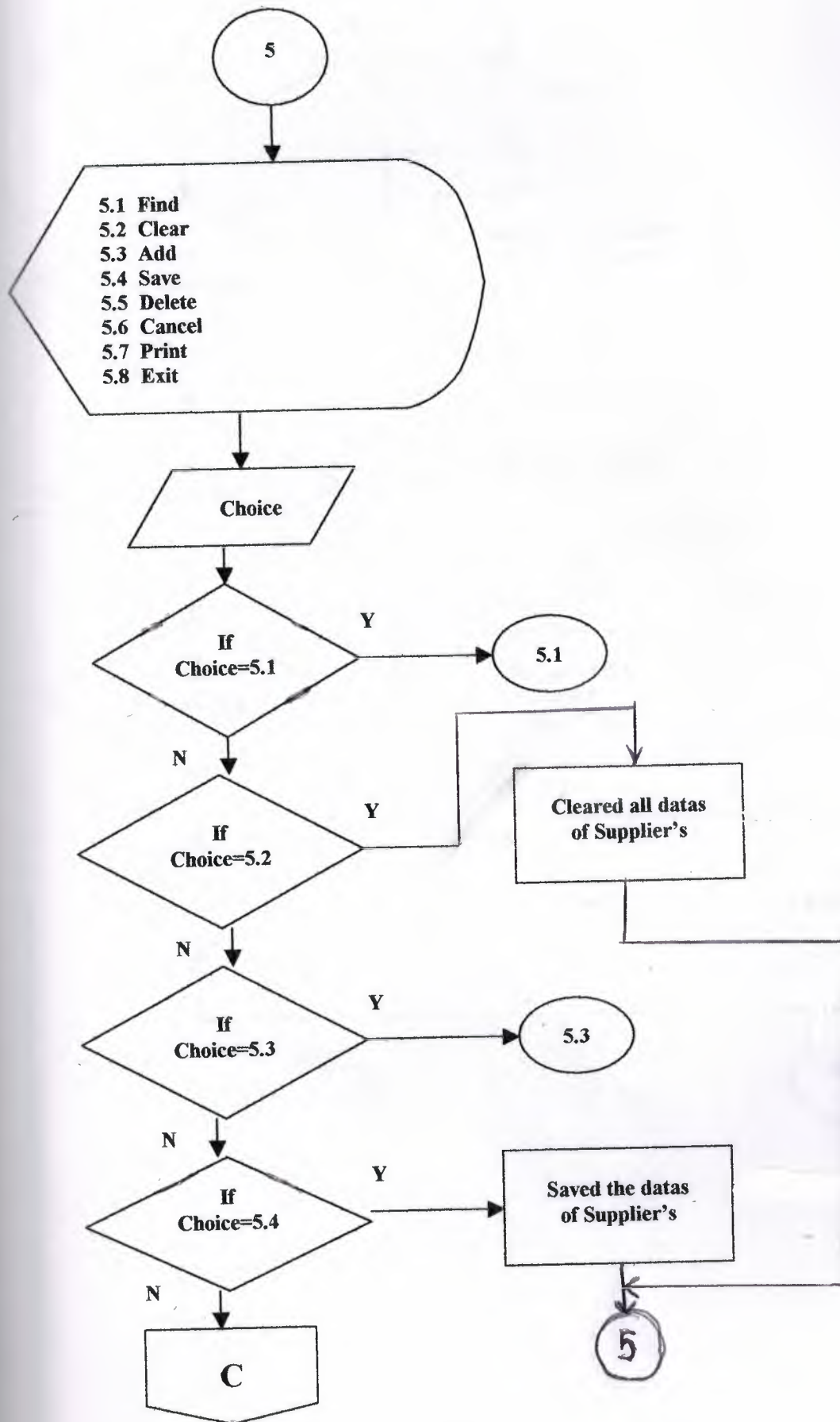


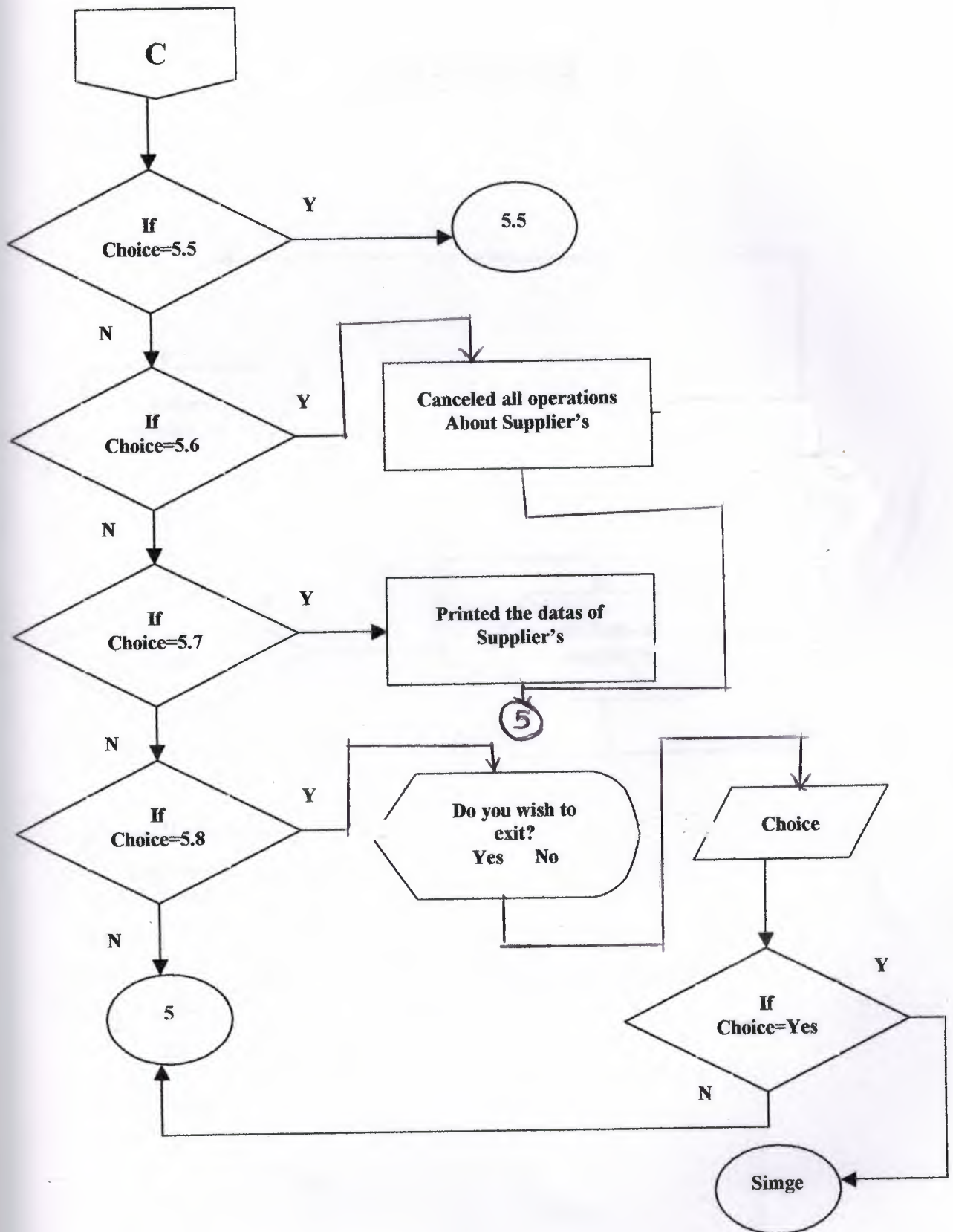


## DELETE DRUG INVENTORY



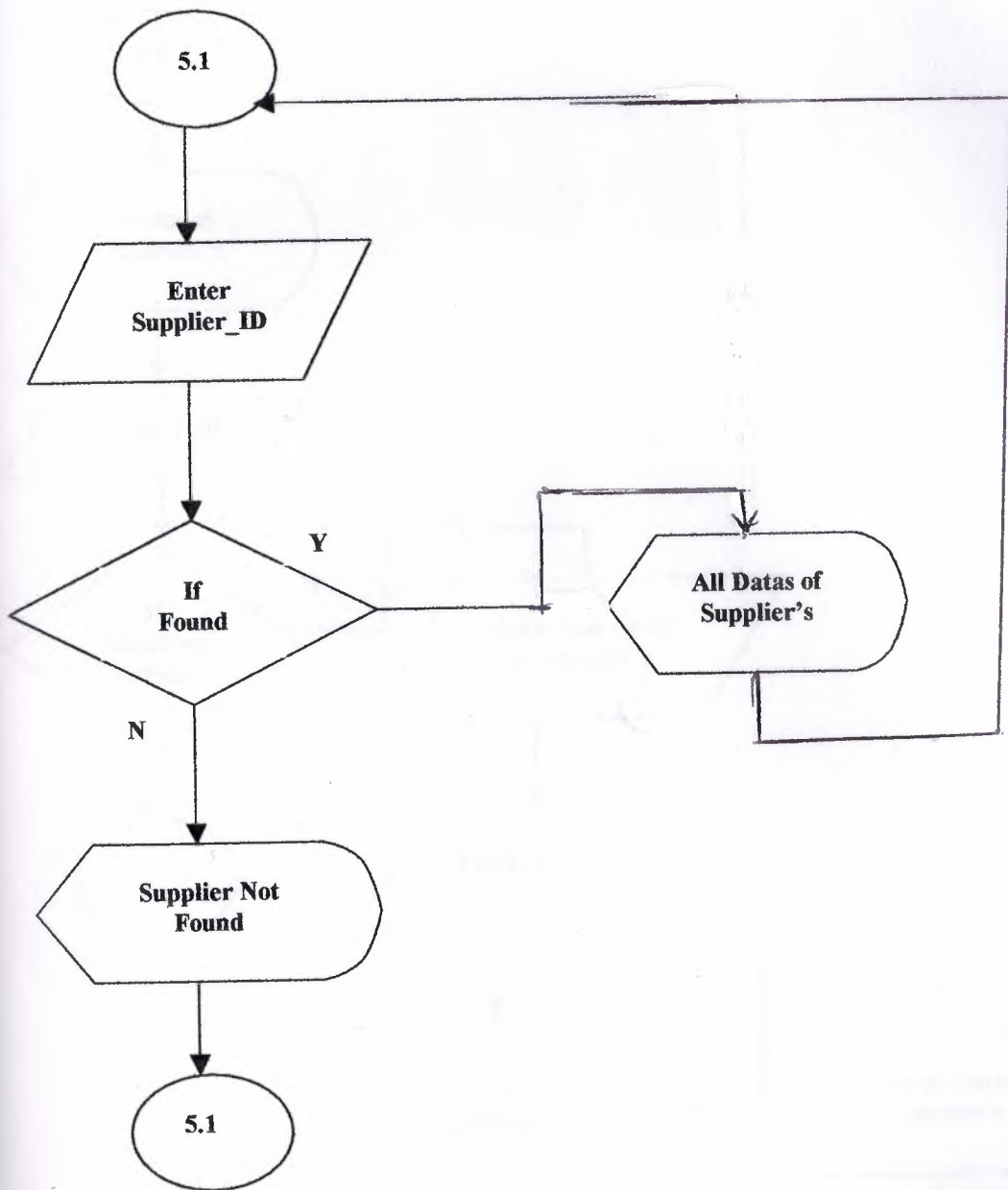
## SUPPLIER'S FORM



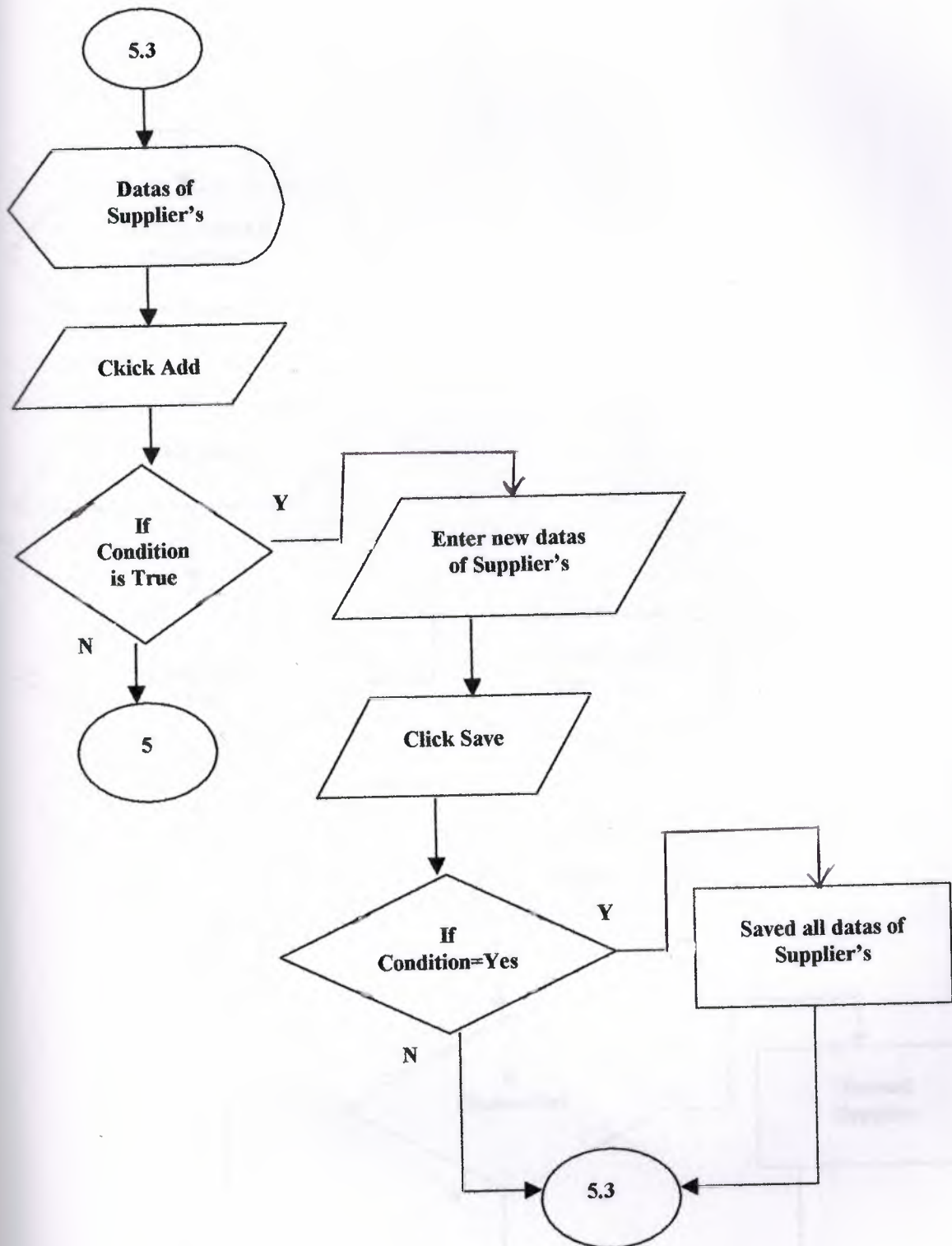




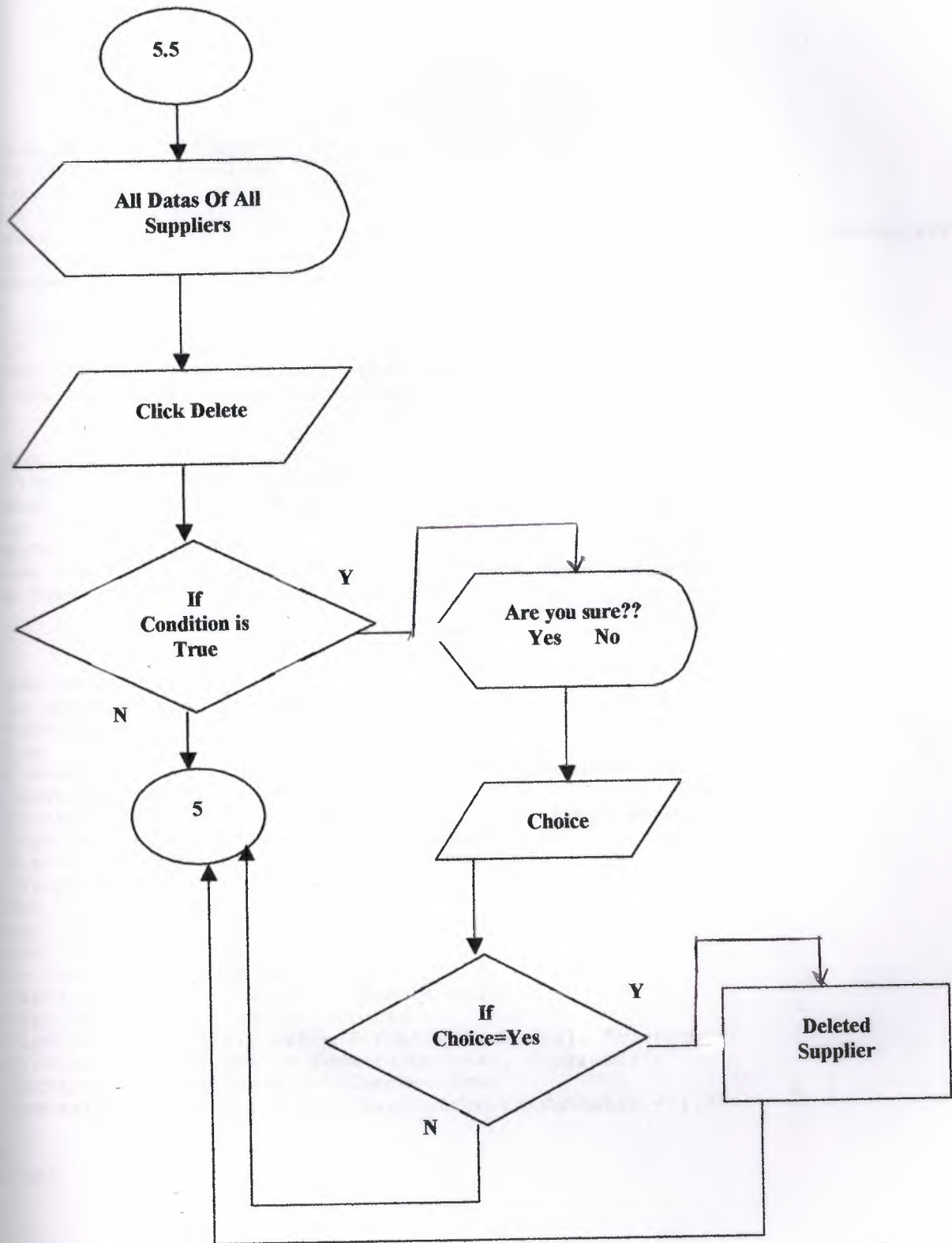
## FIND SUPPLIER



## ADD SUPPLIER



## DELETE SUPPLIER



# Explicit

declares all of the variables for the calculations in this form

```
Dim inttotal As Currency
Dim curpillprice As Currency
Dim curdue As Currency
Dim curprevious As Currency
Dim curnew As Currency
Dim cursubtotal As Currency
Dim curdelivery As Currency
Dim curttotal As Currency
```

Private Sub cboDrug2\_Click()

fills the cbodrug2 combo box

Dim Drug As String

Drug = frmAdd.cboDrug2.Text

rsinventory.find "[Name]=" & "" & Drug & "", 0, adSearchForward, adBookmarkFirst

If rsinventory.EOF Or rsinventory.BOF Then

MsgBox "Drug Name not found"

Else

FillAdd

End If

frmAdd.txtPillPrice.Text = Format(frmAdd.txtPillPrice.Text, "currency")

formats the txtpillprice.text to currency

End Sub

Private Sub cmdAmtDue\_Click()

curpillprice = txtPillPrice.Text

inttotal = txtTotalPills.Text

curdue = inttotal \* curpillprice

txtAmtDue.Text = curdue

calculates the total amount due and then formats it to currency

txtAmtDue.Text = Format(curdue, "currency")

End Sub

Private Sub cmdback\_Click()

hides the add form and then shows the prescription form

frmPrescription.Show

frmAdd.Hide

if error occurs skips over it and goes to error handler code

On Error GoTo errorHandler

transfers information from the frmadd form to the frmprescription form

frmPrescription.txtPrice3.Text = frmAdd.txtAmtDue.Text

curdelivery = Val(frmPrescription.txtDelivery.Text)

curnew = frmPrescription.txtPrice3.Text

curprevious = frmPrescription.txtBalance2

calculates the total and subtotal and formats it to currency

cursubtotal = curnew + curprevious

curtotal = cursubtotal + curdelivery

frmPrescription.txtSubtotal.Text = cursubtotal

frmPrescription.txtTotal.Text = curttotal

frmPrescription.txtSubtotal.Text = Format(cursubtotal, "currency")

frmPrescription.txtTotal.Text = Format(curttotal, "currency")

If frmPrescription.chkDelivery = vbChecked Then

frmPrescription.txtTotal = frmPrescription.txtSubtotal + 1.75

End If

End Sub

errorhandler:

End Sub

Private Sub Form\_Activate()

status

End Sub

Private Sub Form\_Load()

centers the frmadd form

frmAdd.Top = (Screen.Height - frmAdd.Height) / 2



10

frmCust - 1

Option Explicit

Declares the variables need in the form

Dim adding As Boolean

Dim ans As String

Dim find As String

Private Sub cmdAdd\_Click()

adding = True

disable 'Disables all command buttons except for save and cancel

clear 'Clears all text boxes

Disables the txtID and the txtbalance so they cannot be added to

frmCust.txtID.Enabled = False

Moves the cursor to the first field in the text

frmCust.txtFirst.SetFocus

frmCust.txtFirst.SelStart = 0

frmCust.txtFirst.SelLength = Len(txtFirst.Text)

End Sub

Private Sub cmdBrowse\_Click(Index As Integer)

Gives you the ability to browse through all the records in the form

Select Case Index

Case 0

rsCustomer.MoveFirst

Fillcustomer 'calling the subprocedure

Case 1

rsCustomer.MovePrevious

If rsCustomer.BOF Then

rsCustomer.MoveFirst

MsgBox "You are on the first file." 'Provides message to let you know that you hit t

first record

End If

Fillcustomer

Case 2

rsCustomer.MoveNext

If rsCustomer.EOF Then

rsCustomer.MoveLast

MsgBox "You are on the last file" 'Lets you know you hit the last record

End If

Fillcustomer

Case 3

rsCustomer.MoveLast

Fillcustomer

End Select

End Sub

Private Sub cmdCancel\_Click()

If you decide that you don't want to save the changes that you made allows you to cancel

If adding = True Then

rsCustomer.CancelUpdate

adding = False

Else

Dim currentrecord As Variant

currentrecord = rsCustomer.Bookmark

rsCustomer.CancelUpdate

rsCustomer.Bookmark = currentrecord

End If

Fillcustomer 'Refills the customer table

enable 'reenables the command buttons

End Sub

Private Sub cmdDelete\_Click()

Allows you to delete records from the database

If MsgBox("Are you sure ??", vbYesNo, "Delete") = vbYes Then

rsCustomer.Delete

rsCustomer.MoveNext

frmCust - 2

```
    If rsCustomer.EOF Then
        rsCustomer.MoveLast
    End If
    Fillcustomer 'refills the form once you have deleted the current record
End If
```

End Sub

```
Private Sub cmdexit_Click()
    Will exit you back to the goto form
    Also prompts you with message to make sure you wants to exit
    ans = MsgBox("Back to Main Menu?", vbYesNo, "Close Form")
    If ans = vbYes Then

        frmCust.Hide
        frmGoto.Show
    End If
```

End Sub

```
Private Sub cmdfind_Click()
    Allows you to find a record in the database
    Dim bmark As Variant
    bmark = rsCustomer.Bookmark
    Error GoTo errorhandler
    find = InputBox("Enter Customer ID", "Find")
    rsCustomer.find "[Cust_ID] = " & "'" & find & "'", 0, adSearchForward, adBookmarkFirst
    If rsCustomer.EOF Or rsCustomer.BOF Then
        MsgBox "Customer not found" 'gives you a message if customer is not found
    rsCustomer.Bookmark = bmark
    End If
    Fillcustomer 'fills the form
    Exit Sub
errorhandler:
```

End Sub

```
Private Sub cmdPrescription_Click()
    frmPrescription.Show 'shows prescription form and hids customer form
    frmCust.Hide
    Carries all information from the customer form to the prescription form
    frmPrescription.cboID.Text = frmCust.txtID.Text
    frmPrescription.cboID.SetFocus
    frmPrescription.txtFirst2.Text = frmCust.txtFirst.Text
    frmPrescription.txtLast2.Text = frmCust.txtLast.Text
    frmPrescription.txtPhone2.Text = frmCust.txtPhone.Text
    frmPrescription.txtPhysician2.Text = frmCust.txtPhysician.Text
    frmPrescription.txtPolicyNum.Text = frmCust.txtPolicy.Text
    frmPrescription.txtBalance2.Text = frmCust.txtBalance.Text
    frmPrescription.txtSubtotal.Text = frmCust.txtBalance.Text
```

End Sub

```
Private Sub cmdSave_Click()
```

```
    If adding = True Then
        rsCustomer.AddNew
    End If
```

```
    'add it to the table
    rsCustomer![Last_Name] = txtLast.Text
    rsCustomer![First_Name] = txtFirst.Text
    rsCustomer![Address] = txtAddress.Text
    rsCustomer![City] = txtCity.Text
    rsCustomer![Province] = txtProvince.Text
    rsCustomer![Insurance_Company] = txtInsurance.Text
    rsCustomer![Expr_Date] = txtexpiry.Text
    rsCustomer![Drugs_To_Date] = txtDTD.Text
    rsCustomer![Birth_Date] = txtDOB.Text
    rsCustomer![Phone] = txtPhone.Text
    rsCustomer![Postal_Code] = txtPostal.Text
    rsCustomer![Physician] = txtPhysician.Text
    rsCustomer![Policy_No] = txtPolicy.Text
    rsCustomer![Balance] = txtBalance.Text
```



```
meCustomer.Update 'updates the database
enable
adding = False
Fillcustomer 'fills the customer form
```

End Sub

```
Private Sub Form_Activate()
```

```
    status
```

End Sub

```
Private Sub Form_Load()
```

```
    'Connects the database to the form and then fills all the fields
```

```
    Connect
```

```
    Fillcustomer
```

```
    frmCust.Top = (Screen.Height - frmCust.Height) / 2 'Centers the form
```

```
    frmCust.Left = (Screen.Width - frmCust.Width) / 2
```

End Sub

```
Private Sub txtAddress_Validate(Cancel As Boolean)
```

```
    If txtAddress.Text = "" Then
```

```
        If MsgBox("You must enter the customer's street address.", vbOKCancel, "Error") = vbOK
```

```
            Cancel = True
```

```
        Else
```

```
            Fillcustomer 'Refills the customer table
```

```
            enable 'reenables the command buttons
```

```
        End If
```

```
    End If
```

```
    txtAddress.SetFocus
```

```
    txtAddress.SelStart = 0
```

```
    txtAddress.SelLength = Len(txtAddress.Text)
```

End Sub

```
Private Sub txtBalance_Validate(Cancel As Boolean)
```

```
    If txtBalance.Text = "" Then
```

```
        If MsgBox("You must enter a balance for the customer.", vbOKCancel, "Error") = vbOK
```

```
            Cancel = True
```

```
        Else
```

```
            Fillcustomer 'Refills the customer table
```

```
            enable 'reenables the command buttons
```

```
        End If
```

```
    ElseIf Not IsNumeric(txtBalance) Then
```

```
        MsgBox "This field requires a number"
```

```
    End If
```

```
    txtBalance.SetFocus
```

```
    txtBalance.SelStart = 0
```

```
    txtBalance.SelLength = Len(txtBalance.Text)
```

End Sub

```
Private Sub txtCity_Validate(Cancel As Boolean)
```

```
    If txtCity.Text = "" Then
```

```
        If MsgBox("You must enter the name of the customer's city.", vbOKCancel, "Error") = vbOK
```

```
            Cancel = True
```

```
        Else
```

```
            Fillcustomer 'Refills the customer table
```

```
            enable 'reenables the command buttons
```

```
        End If
```

```
    End If
```

```
    txtCity.SetFocus
```

```
    txtCity.SelStart = 0
```

```
    txtCity.SelLength = Len(txtCity.Text)
```

End Sub

```
Private Sub txtDOB_Validate(Cancel As Boolean)
```

```
    If Not IsDate(txtDOB.Text) Then
```

```
        If MsgBox("Date must be entered as 'mm/dd/yy'", vbOKCancel, "Error") = vbOK Then
```

```
            Cancel = True
```

```
        Else
```

```
            Fillcustomer 'Refills the customer table
```



```

        enable 'reenables the command buttons
    End If
End If
    txtDOB.SetFocus
    txtDOB.SelStart = 0
    txtDOB.SelLength = Len(txtDOB.Text)
End Sub

```

```

Private Sub txtDTD_Validate(Cancel As Boolean)
    If Not IsNumeric(txtDTD.Text) Then
        If MsgBox("This field must be a number!", vbOKCancel, "Error") = vbOK Then
            Cancel = True
        Else
            Fillcustomer 'Refills the customer table
            enable 'reenables the command buttons
        End If
    End If
    txtDTD.SetFocus
    txtDTD.SelStart = 0
    txtDTD.SelLength = Len(txtDTD.Text)
End Sub

```

```

Private Sub txtexpiry_Validate(Cancel As Boolean)
    If Not IsDate(txtexpiry.Text) Then
        If MsgBox("Date must be entered as 'mm/dd/yy'. If not known or no insurance enter '01/01'.", vbOKCancel, "Error") = vbOK Then
            Cancel = True
        Else
            Fillcustomer 'Refills the customer table
            enable 'reenables the command buttons
        End If
    End If
    txtexpiry.SetFocus
    txtexpiry.SelStart = 0
    txtexpiry.SelLength = Len(txtexpiry.Text)
End Sub

```

```

Private Sub txtFirst_Validate(Cancel As Boolean)
    If txtFirst.Text = "" Then
        If MsgBox("You must enter the customer's first name.", vbOKCancel, "Error") = vbOK Then
            Cancel = True
        Else
            Fillcustomer 'Refills the customer table
            enable 'reenables the command buttons
        End If
    End If
    txtFirst.SetFocus
    txtFirst.SelStart = 0
    txtFirst.SelLength = Len(txtFirst.Text)
End Sub

```

```

Private Sub txtInsurance_Validate(Cancel As Boolean)
    If txtInsurance.Text = "" Then
        If MsgBox("You must enter the name of the customer's insurance company. If the customer doesn't have insurance, enter 'N/A'", vbOKCancel, "Error") = vbOK Then
            Cancel = True
        Else
            Fillcustomer 'Refills the customer table
            enable 'reenables the command buttons
        End If
    End If
    txtInsurance.SetFocus
    txtInsurance.SelStart = 0
    txtInsurance.SelLength = Len(txtInsurance.Text)
End Sub

```

```

Private Sub txtLast_Validate(Cancel As Boolean)
    If txtLast.Text = "" Then
        If MsgBox("You must enter the customer's last name.", vbOKCancel, "Error") = vbOK Then
            Cancel = True
        Else
            Fillcustomer 'Refills the customer table
            enable 'reenables the command buttons
        End If
    End If
    txtLast.SetFocus
    txtLast.SelStart = 0
    txtLast.SelLength = Len(txtLast.Text)
End Sub

```

End If

End If

txtLast.SetFocus  
txtLast.SelStart = 0  
txtLast.SelLength = Len(txtLast.Text)

End Sub

Private Sub txtPhone\_Validate(Cancel As Boolean)

If Len(txtPhone.Text) <> 13 Then

If MsgBox("Using the following format, enter the customer's phone number: (###)###-####", vbOKCancel, "Error") = vbOK Then

Cancel = True

Else

Fillcustomer 'Refills the customer table  
enable 'reenables the command buttons

End If

End If

txtPhone.SetFocus  
txtPhone.SelStart = 0  
txtPhone.SelLength = Len(txtPhone.Text)

End Sub

Private Sub txtPhysician\_Validate(Cancel As Boolean)

If txtPhysician.Text = "" Then

If MsgBox("You must enter the name of the customer's physician.", vbOKCancel, "Error") = vbOK Then

Cancel = True

Else

Fillcustomer 'Refills the customer table  
enable 'reenables the command buttons

End If

End If

txtPhysician.SetFocus  
txtPhysician.SelStart = 0  
txtPhysician.SelLength = Len(txtPhysician.Text)

End Sub

Private Sub txtPolicy\_Validate(Cancel As Boolean)

If txtPolicy.Text = "" Then

If MsgBox("You must enter a policy number. If policy number unknown, or no insurance number either 'unknown' or 'N/A'", vbOKCancel, "Error") = vbOK Then

Cancel = True

Else

Fillcustomer 'Refills the customer table  
enable 'reenables the command buttons

End If

End If

txtPolicy.SetFocus  
txtPolicy.SelStart = 0  
txtPolicy.SelLength = Len(txtDOB.Text)

End Sub

Private Sub txtPostal\_Validate(Cancel As Boolean)

If txtPostal.Text = "" Then

If MsgBox("You must enter the customer's postal code.", vbOKCancel, "Error") = vbOK Then

Cancel = True

Else

Fillcustomer 'Refills the customer table  
enable 'reenables the command buttons

End If

End If

txtPostal.SetFocus  
txtPostal.SelStart = 0  
txtPostal.SelLength = Len(txtPostal.Text)

End Sub

Private Sub txtProvince\_Validate(Cancel As Boolean)

If txtProvince.Text = "" Then

If MsgBox("You must enter the customer's province.", vbOKCancel, "Error") = vbOK Then

Cancel = True

Else

Fillcustomer 'Refills the customer table

```
enable 'reenables the command buttons
End If
If
txtProvince.SetFocus
txtProvince.SelStart = 0
txtProvince.SelLength = Len(txtAddress.Text)
```



frmDrugInven - 1

Option Explicit

'Declares variables that are needed in the form

Dim adding As Boolean

Dim ans As String

Private Sub cboName\_Click()

'adds text to your combo box

Dim Name As String

Name = frmDrugInven.cboName.Text

rsinventory.find "[Name]=" & "'" & Name & "'", 0, adSearchForward, adBookmarkFirst

If rsinventory.EOF Or rsinventory.BOF Then

MsgBox ("Drug not found")

Else

fillinventory 'Fills inventory form

End If

End Sub

Private Sub cboSupName\_Click()

'Fills the supplies name combo box

Dim Name As String

Name = frmDrugInven.cboSupName.Text

rsinventory.find "[Supplier\_Name]=" & "'" & Name & "'", 0, adSearchForward, adBookmarkFirst

If rsinventory.EOF Or rsinventory.BOF Then

MsgBox ("Supplier not found")

Else

filltxtSupID

End If

End Sub

Private Sub cmdAdd\_Click()

adding = True

disable2

'clear text boxes

'call disable sub procedure

frmDrugInven.txtDID.Text = ""

frmDrugInven.cboName.Text = ""

frmDrugInven.txtName.Text = ""

frmDrugInven.txtDesc.Text = ""

frmDrugInven.txtAmtStock.Text = ""

frmDrugInven.cboSupName.Text = ""

frmDrugInven.txtSupID.Text = ""

frmDrugInven.cboTypeID.Text = ""

frmDrugInven.txtPrice.Text = ""

frmDrugInven.txtDID.SetFocus 'setting focus back to drug ID

'frmDrugInven.txtDID.SelStart = 0

frmDrugInven.txtDID.SelLength = Len(txtDID.Text)

frmDrugInven.txtName.Visible = True

frmDrugInven.cboName.Visible = False

End Sub

Private Sub cmdBrowse\_Click(Index As Integer)

'Allows you to browse through all the records in the database

On Error GoTo errorHandler

Select Case Index

Case 0

rsinventory.MoveFirst

fillinventory

Case 1

rsinventory.MovePrevious

If rsinventory.BOF Then

rsinventory.MoveFirst

MsgBox "You are on the first file."

End If

fillinventory

Case 2

rsinventory.MoveNext

If rsinventory.EOF Then

rsinventory.MoveLast

MsgBox "You are on the last file."

End If



frmDrugInven - 2

```
        fillinventory
    Case 3
        rsinventory.MoveLast
        fillinventory

    End Select

Exit Sub
errorhandler:
frmDrugInven.cboName.Enabled = True
frmDrugInven.txtName.Enabled = False
frmDrugInven.Show
fillinventory

End Sub

Private Sub cmdCancel_Click()
    Allows you to cancel all updates
    If adding = True Then
        rsinventory.CancelUpdate
        adding = False
    Else
        Dim currentrecord As Variant
        currentrecord = rsinventory.Bookmark
        rsinventory.CancelUpdate
        rsinventory.Bookmark = currentrecord
    End If
    frmDrugInven.cboName.Visible = True
    frmDrugInven.txtName.Visible = False
    fillinventory 'refills inventory table
    enable2
End Sub

Private Sub cmdDelete_Click()
    Allows you to delete a record from the database
    If MsgBox("Are you sure ??", vbYesNo, "Delete") = vbYes Then
        rsinventory.Delete
        rsinventory.MoveNext
        If rsinventory.EOF Then
            rsinventory.MoveLast
        End If
        fillinventory 'refill the form
    End If
End Sub

Private Sub cmdexit_Click()
    Allows you to exit the program
    Prompts the user to make sure they want to exit
    ans = MsgBox("Return to Main Window?", vbYesNo, "Exit Form")
    If ans = vbYes Then
        MDIForm1.Hide
        frmDrugInven.Hide
        frmInvoice.Hide
        frmCust.Hide
        frmDrugInven.Hide
        frmSupplier.Hide
        frmAdd.Hide
        frmPrescription.Hide
        frmGoto.Show
    End If
End Sub

Private Sub cmdSave_Click()
    Allows you to save records to the database
    Save textbox information to memory
    Dim strDID As String, strSupID As String, strAmtStock As String, strName As String, s
    As String, strSupName As String
    Dim strTypeID As String, strPrice As String
    strDID = frmDrugInven.txtDID.Text
    strSupID = frmDrugInven.txtSupID.Text
    strName = frmDrugInven.txtName.Text
    strDesc = frmDrugInven.txtDesc.Text
```

```

strSupName = frmDrugInven.cboSupName.Text
strTypeID = frmDrugInven.cboTypeID.Text
strPrice = frmDrugInven.txtPrice.Text

```

```

If adding = True Then
    rsinventory.AddNew
End If

```

```

On Error GoTo errorhandler

```

```

'add it to the table
rsinventory![Drug_ID] = txtDID.Text
rsinventory![Name] = txtName.Text
rsinventory![Description] = txtDesc.Text
rsinventory![Amt_In_Stock] = txtAmtStock.Text
rsinventory![Supplier_ID] = txtSupID.Text
rsinventory![Supplier_Name] = cboSupName.Text
rsinventory![Type_ID] = cboTypeID.Text
rsinventory![Price] = Format(txtPrice.Text, "currency")
enable2
frmDrugInven.cboName.Visible = True
frmDrugInven.txtName.Visible = False
fillinventory
fillcbodrugname
Exit Sub

```

```

errorhandler: 'if upon error msgbox appears and send you back to the form
MsgBox "You must enter data into all fields"

```

```

If adding = True Then 'cancels the record update
    rsinventory.CancelUpdate
    adding = True 'sets adding = true

```

```

'refills the txtfields with entered info

```

```

txtDID.Text = strDID
txtSupID.Text = strSupID
cboName.Text = strName
txtDesc.Text = strDesc
txtAmtStock.Text = strAmtStock
cboSupName.Text = strSupName
cboTypeID.Text = strTypeID
txtPrice.Text = strPrice

```

```

'Sets focus back to first unfilled field

```

```

If frmDrugInven.txtDID.Text = "" Then
    frmDrugInven.txtDID.SetFocus
ElseIf frmDrugInven.cboName.Text = "" Then
    frmDrugInven.cboName.SetFocus
ElseIf frmDrugInven.txtDesc.Text = "" Then
    frmDrugInven.txtDesc.SetFocus
ElseIf frmDrugInven.txtAmtStock.Text = "" Then
    frmDrugInven.txtAmtStock.SetFocus
ElseIf frmDrugInven.txtSupID = "" Then
    frmDrugInven.txtSupID.SetFocus
ElseIf frmDrugInven.cboSupName = "" Then
    frmDrugInven.cboSupName.SetFocus
ElseIf frmDrugInven.cboTypeID = "" Then
    frmDrugInven.cboTypeID.SetFocus
ElseIf frmDrugInven.txtPrice = "" Then
    frmDrugInven.txtPrice.SetFocus
End If

```

```

End If

```

```

End Sub

```

```

Private Sub Form_Activate()

```

```

    status

```

```

End Sub

```

```

Private Sub Form_Load()

```

```

    Centers the form and connects to the database

```

```

    fills the inventory form

```

```

    frmDrugInven.Top = (Screen.Height - frmDrugInven.Height) / 2

```

```

    frmDrugInven.Left = (Screen.Width - frmDrugInven.Width) / 2

```

```

    connect

```

```

    txtName.Visible = False

```

```

    cboName.Visible = True

```

```

    fillCboSupID
    fillCboTypeID

```

frmDrugInven - 4

fillcbodrugname

End Sub

Private Sub lstSupName\_Click()

Fill the supplies name combo box

Dim Name As String

Name = frmDrugInven.cboSupName.Text

frmDrugInven.cboSupName.AddItem rsinventory![Supplier\_Name]

If rsinventory.EOF Or rsinventory.BOF Then

MsgBox ("Supplier not found")

Else

filltxtSupID

End If

End Sub



cmdGoto - 1

Section Explicit

Private Sub cmdCancel\_Click()

Unloads all of the forms and exits the program

Dim ans As String

Prompts the user to make sure they want to exit Unload MDIForm1

ans = MsgBox("Do you wish to exit?", vbYesNo, "End Program")

If ans = vbYes Then

Unload frmInvoice

Unload frmAdd

Unload frmCust

Unload frmDrugInven

Unload frmGoto

Unload frmPrescription

Unload frmlogon

Unload frmSupplier

End

End If

End Sub

Private Sub cmdGoto\_Click()

If optGoto(0).Value = True Then

frmCust.Show 'Bring you to the customer form

ElseIf optGoto(1).Value = True Then

frmPrescription.Show 'Bring you to the prescription form

ElseIf optGoto(2).Value = True Then

frmInvoice.Show

frmInvoice.txtDate.Text = ""

frmInvoice.txtNumber.Text = ""

frmInvoice.txtPhysician2.Text = ""

frmInvoice.txtPolicy2.Text = ""

frmInvoice.txtDN.Text = ""

frmInvoice.txtPills.Text = ""

frmInvoice.txtPrice.Text = ""

frmInvoice.txtTotal.Text = ""

ElseIf optGoto(3).Value = True Then

frmDrugInven.Show 'Brings you to the drug inventory form

ElseIf optGoto(4).Value = True Then

frmSupplier.Show 'Brings you to the supplier form

End If

frmGoto.Hide 'Hides the goto form

End Sub

Private Sub Form\_Load()

Centers the form

frmGoto.Top = (Screen.Height - frmGoto.Height) / 2

frmGoto.Left = (Screen.Width - frmGoto.Width) / 2

optGoto(0).Value = True

End Sub



frmInvoice - 1

Option Explicit

Private Sub cboCustName\_Click()

'Fills customer name combo box

Dim Name As String

Name = frmInvoice.cboCustName.Text

rsinvoice2.find "[Cust\_Name]=" & "'" & Name & "'", 0, adSearchForward, adBookmarkFirst

If rsinvoice2.EOF Or rsinvoice2.BOF Then

MsgBox ("Invoice not found")

Else

FillInvoice

End If

'Formats the price and total fields to currency

frmInvoice.txtPrice = Format(txtPrice.Text, "currency")

frmInvoice.txtTotal = Format(txtTotal.Text, "currency")

End Sub

Private Sub cmdPrint\_Click()

Frame2.Visible = False 'hides frame2 while printing

cmdPrint.Visible = False 'hides Generate Invoice button during print

cmdrefresh.Visible = False 'hides Main Menu button during print

cmdSave.Visible = False 'hides Save button during print

cboCustName.Visible = False 'hides combo box during print

txtCustName.Visible = True ' shows text box during print

PrintForm ' prints form

cboCustName.Visible = True 'shows comb box after print

txtCustName.Visible = False 'hides text box after print

cmdPrint.Visible = True ' shows Generate Invoice button after print

cmdrefresh.Visible = True ' shows Main Menu button after print

cmdSave.Visible = True ' shows Save button after print

Frame2.Visible = True ' shows frame2 after print

txtCustName.Text = ""

txtNumber.Text = ""

txtDate.Text = ""

txtPhysician2.Text = ""

txtPolicy2.Text = ""

txtDN.Text = ""

txtPills.Text = ""

txtPrice.Text = ""

txtTotal.Text = ""

End Sub

Private Sub cmdRefresh\_Click()

' brings you back to the Goto form

frmInvoice.Hide

End Sub

Private Sub cmdSave\_Click()

'Connects to the invoice database

'adds the invoice to the database

Dim ans As String

Connect

On Error GoTo errorhandler

rsinvoice2.AddNew

rsinvoice2![Date] = txtDate.Text

rsinvoice2![Cust\_Name] = cboCustName.Text

rsinvoice2![Physician] = txtPhysician2.Text

rsinvoice2![Policy] = txtPolicy2.Text

rsinvoice2![Drug Name] = txtDN.Text

rsinvoice2![Pills] = txtPills.Text

rsinvoice2![Price] = txtPrice.Text

rsinvoice2![Total] = txtTotal.Text

rsinvoice2.Update

FillInvoice

FillCboName

Exit Sub

errorhandler:

ans = MsgBox("You have already saved the record", vbOKOnly, "Saved")

frmInvoice - 2

Sub

Private Sub Form\_Activate()

End Sub

Sub

Private Sub Form\_Load()

'loads current date from the BIOS clock to the invoice form

Dim MyDate As Date

MyDate = Date

txtDate = Date

'centres the form on the screen

frmInvoice.Top = (Screen.Height - frmInvoice.Height) / 2

frmInvoice.Left = (Screen.Width - frmInvoice.Width) / 2

'fills the combo box from the prescription form

cboCustName.Text = frmPrescription.txtFirst2.Text + frmPrescription.txtLast2.Text

'fills combo box from Invoice table

FillCboName

frmInvoice.txtDN.Text = frmAdd.cboDrug2.Text

End Sub

frmlogon - 1

Option Explicit

Private Sub cmdexit\_Click()

Exits the logon form

End

End Sub

Private Sub cmdok\_Click()

Takes the username and password and verify it

If it is a proper password and username then it loads the goto form

Dim find As String

find = txtuser.Text

rsemployee.find "[Last\_Name]=" & "'" & find & "'", 0, adSearchForward, adBookmarkFirst

If rsemployee.EOF Or rsemployee.BOF Then

MsgBox "Invalid username"

txtuser.SetFocus

txtuser.SelStart = 0

txtuser.SelLength = Len(txtuser.Text)

Else

If txtpassword.Text = find Then

frmGoto.Show

frmlogon.Hide

Else

MsgBox "Invalid Password" 'if wrong password or username displays message

txtpassword.SetFocus 'Sets the focus back to the username

txtpassword.SelStart = 0

txtpassword.SelLength = Len(txtpassword.Text)

End If

End If

End Sub

Private Sub Form\_Load()

Centers the form and connects it to the database

frmlogon.Top = (Screen.Height - frmlogon.Height) / 2

frmlogon.Left = (Screen.Width - frmlogon.Width) / 2

Connect

End Sub

Prescription - 1

Option Explicit

Dim curtotal As Currency

Private Sub cboDrug\_Click()

'Fills the drugs combo box

Dim Drug As String

Drug = frmPrescription.cboDrug.Text

rsinventory.find "[Name]=" & "'" & Drug & "'", 0, adSearchForward, adBookmarkFirst

If rsinventory.EOF Or rsinventory.BOF Then

MsgBox "Drug Name not found"

Else

fillinventory2

End If

'Formats the price to currency

frmPrescription.txtPrice2.Text = Format(frmPrescription.txtPrice2.Text, "currency")

End Sub

Private Sub cboID\_Click()

Dim ID As Integer

ID = frmPrescription.cboID.Text

rsCustomer.find "[Cust\_ID]=" & "'" & ID & "'", 0, adSearchForward, adBookmarkFirst

If rsCustomer.EOF Or rsCustomer.BOF Then

MsgBox "Customer ID not found"

Else

FillPrescription

End If

End Sub

Private Sub chkDelivery\_Click()

Dim curdelivery As Currency

Dim cursubtotal As Currency

'assigns delivery charge if the check box is checked

If chkDelivery = vbChecked Then

txtDelivery.Text = 1.75

Else

txtDelivery.Text = 0

End If

'Calculates the total and formats it to currency

cursubtotal = txtSubtotal.Text

curdelivery = txtDelivery.Text

curtotal = curdelivery + cursubtotal

txtTotal.Text = curtotal

txtDelivery.Text = Format(curdelivery, "currency")

txtTotal.Text = Format(curtotal, "currency")

End Sub

Private Sub cmdaddpres\_Click()

'Shows the add form, hides the prescription and sets the focus on total pills

frmAdd.Show

'frmPrescription.Hide

frmAdd.txtTotalPills.SetFocus

End Sub

Private Sub cmdInvoice2\_Click()

frmInvoice.Show 'Shows the invoice form

' frmPrescription.Hide

'frmAdd.Hide

'Transfer all required data to the invoice form

frmInvoice.cboCustName.Text = frmPrescription.txtFirst2.Text + " " + frmPrescription.txtL

2.Text

frmInvoice.txtPhysician2.Text = frmPrescription.txtPhysician2.Text

frmInvoice.txtPills.Text = frmAdd.txtTotalPills.Text

frmInvoice.txtPrice.Text = frmAdd.txtPillPrice.Text

frmInvoice.txtPolicy2.Text = frmPrescription.txtPolicyNum.Text

frmInvoice.txtTotal.Text = frmPrescription.txtTotal.Text

End Sub



```
Public Sub Formactivate()
```

```
status
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Centers the form
```

```
Prescription.Top = (Screen.Height - frmPrescription.Height) / 2
```

```
Prescription.Left = (Screen.Width - frmPrescription.Width) / 2
```

```
Connect 'connects it to the database
```

```
FillPrescription
```

```
FillComboBox
```

```
fillinventory2
```

```
FillComboBox2
```

```
End Sub
```

frmSupplier - 1

Option Explicit

adding As Boolean

find As String

Private Sub cboName2\_Click()

fill your supplier name combo box

Dim Name As String

Name = frmSupplier.cboName2.Text

rsSupplier.find "[Name]=" & "'" & Name & "'", 0, adSearchForward, adBookmarkFirst

If rsSupplier.EOF Or rsSupplier.BOF Then

MsgBox ("Supplier name not found")

Else

fill supplier

FillSupplier

End If

End Sub

Private Sub cboSupplierID\_Click()

fill supplier id combo box

Dim Name As String

Name = frmSupplier.cboSupplierID.Text

rsSupplier.find "[Supplier\_ID]=" & "'" & Name & "'", 0, adSearchForward, adBookmarkFirst

If rsSupplier.EOF Or rsSupplier.BOF Then

MsgBox ("Supplier ID not found")

Else

FillSupplier

End If

End Sub

Private Sub cmdAdd\_Click()

Allows you to add to the supplier form

adding = True

disable3 'Disables command buttons

frmSupplier.cboSupplierID.Text = ""

frmSupplier.cboName2.Text = ""

frmSupplier.txtAddress2.Text = ""

frmSupplier.txtCity2.Text = ""

frmSupplier.txtContact.Text = ""

frmSupplier.txtCountry2.Text = ""

frmSupplier.txtFax2.Text = ""

frmSupplier.txtPhone2.Text = ""

frmSupplier.txtPostal2.Text = ""

frmSupplier.txtProvince2.Text = ""

frmSupplier.txtTitle.Text = ""

frmSupplier.cboSupplierID.SetFocus

End Sub

Private Sub cmdBrowse\_Click(Index As Integer)

Allows you to browse through the recordset

Select Case Index

Case 0

rsSupplier.MoveFirst

FillSupplier

Case 1

rsSupplier.MovePrevious

If rsSupplier.BOF Then

rsSupplier.MoveFirst

MsgBox "You are on the first file."

End If

FillSupplier

Case 2

rsSupplier.MoveNext

Supplier - 2

```
If rsSupplier.EOF Then
    rsSupplier.MoveLast
    MsgBox "You are on the last file."
End If
FillSupplier
```

```
Case 3
    rsSupplier.MoveLast
    FillSupplier
```

```
End Select
```

```
End Sub
```

```
Private Sub cmdCancel_Click()
```

```
Allows you to cancel a update
```

```
If adding = True Then
```

```
    rsSupplier.CancelUpdate
```

```
    adding = False
```

```
Else
```

```
    Dim currentrecord As Variant
```

```
    currentrecord = rsSupplier.Bookmark
```

```
    rsSupplier.CancelUpdate
```

```
    rsSupplier.Bookmark = currentrecord
```

```
End If
```

```
FillSupplier 'fills the supplier form
```

```
enable3 'enables the command buttons
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
Clears the text boxes when you are adding
```

```
frmSupplier.cboSupplierID.Text = ""
```

```
frmSupplier.cboName2.Text = ""
```

```
frmSupplier.txtAddress2.Text = ""
```

```
frmSupplier.txtCity2.Text = ""
```

```
frmSupplier.txtContact.Text = ""
```

```
frmSupplier.txtCountry2.Text = ""
```

```
frmSupplier.txtFax2.Text = ""
```

```
frmSupplier.txtPhone2.Text = ""
```

```
frmSupplier.txtPostal2.Text = ""
```

```
frmSupplier.txtProvince2.Text = ""
```

```
frmSupplier.txtTitle.Text = ""
```

```
End Sub
```

```
Private Sub cmdDelete_Click()
```

```
Allows you to delete a record
```

```
If MsgBox("Are you sure ??", vbYesNo, "Delete") = vbYes Then
```

```
    rsSupplier.Delete
```

```
    rsSupplier.MoveNext
```

```
    If rsSupplier.EOF Then
```

```
        rsSupplier.MoveLast
```

```
    End If
```

```
FillSupplier 'fills the supplier form
```

```
End If
```

```
End Sub
```

```
Private Sub cmdexit_Click()
```

```
Allows you to exit to goto form
```

```
Dim ans As String
```

```
ans = MsgBox("Do you wish to exit?", vbYesNo, "End Program")
```

```
'prompts user to make sure you want to exit
```

```
If ans = vbYes Then
```

```
    cn.Close
```

```
    frmSupplier.Hide
```

```
    frmGoto.Show
```

```
End If
```

```
End Sub
```

```
Private Sub cmdfind_Click()
```

```
Dim bmark As Variant
```

```
bmark = rsSupplier.Bookmark
```

```
If MsgBox("Click OK to search by Supplier ID or No to search by Supplier Name.", vbYesNo,
```

```

Search method selector") = vbNo Then
    On Error GoTo errorhandler
    find = InputBox("Enter Supplier Name", "Find")
    rsSupplier.find "[Name] = " & "'" & find & "'", 0, adSearchForward, adBookmarkFirst
    If rsSupplier.EOF Or rsSupplier.BOF Then
        MsgBox "Supplier not found" 'gives you a message if customer is not found
    rsSupplier.Bookmark = bmark
    End If
    FillSupplier 'fills the form
Else
    On Error GoTo errorhandler
    find = InputBox("Enter Supplier ID", "Find")
    rsSupplier.find "[Supplier_ID] = " & "'" & find & "'", 0, adSearchForward, adBookmarkFi

    If rsSupplier.EOF Or rsSupplier.BOF Then
        MsgBox "Supplier not found" 'gives you a message if customer is not found
    rsSupplier.Bookmark = bmark
    End If
    FillSupplier 'fills the form
End If
Exit Sub
errorhandler:
    frmSupplier.Show
End Sub

Private Sub cmdPrint_Click()
    cmdAdd.Visible = False 'hides command buttons
    cmdDelete.Visible = False
    cmdCancel.Visible = False
    cmdSave.Visible = False
    cmdexit.Visible = False
    cmdPrint.Visible = False
    cmdBrowse(0).Visible = False 'hides browse buttons
    cmdBrowse(1).Visible = False
    cmdBrowse(2).Visible = False
    cmdBrowse(3).Visible = False
    PrintForm 'prints the form
    cmdAdd.Visible = True
    cmdDelete.Visible = True 'shows command buttons
    cmdCancel.Visible = True
    cmdSave.Visible = True
    cmdexit.Visible = True
    cmdPrint.Visible = True
    cmdBrowse(0).Visible = True 'show browse buttons
    cmdBrowse(1).Visible = True
    cmdBrowse(2).Visible = True
    cmdBrowse(3).Visible = True
End Sub

Private Sub cmdSave_Click()
    'allows you to save a record
    If adding = True Then
        rsSupplier.AddNew
    End If
    On Error GoTo errorhandler
    'places all information into the database
    rsSupplier![Name] = cboName2.Text
    rsSupplier![Contact] = txtContact.Text
    rsSupplier![Title] = txtTitle.Text
    rsSupplier![Address] = txtAddress2.Text
    rsSupplier![City] = txtCity2.Text
    rsSupplier![Province] = txtProvince2.Text
    rsSupplier![Country] = txtCountry2.Text
    rsSupplier![Postal_Code] = txtPostal2.Text
    rsSupplier![Phone] = txtPhone2.Text
    rsSupplier![Fax] = txtFax2.Text

    rsSupplier.Update
    FillSupplier
    enable3
    Exit Sub
errorhandler:
    MsgBox "You have left a required field blank."

```



```
frmSupplier - 4
```

```
End Sub
```

```
Private Sub Command1_Click()
```

```
End Sub
```

```
Private Sub Form_Activate()
```

```
status
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Centers the form
```

```
frmSupplier.Top = (Screen.Height - frmSupplier.Height) / 2
```

```
frmSupplier.Left = (Screen.Width - frmSupplier.Width) / 2
```

```
Connect 'connect to the database
```

```
FillSupplier ' fill the supplier form from database
```

```
FillCboSupplierID
```

```
fillsupname
```

```
End Sub
```

Module1 - 1

Option Explicit

```
Public cn As Connection
Public rsCustomer As Recordset
Public rsemployee As Recordset
Public rsinventory As Recordset
Public rsinventory2 As Recordset
Public rsinventory3 As Recordset
Public rsinventory4 As Recordset
Public rsinvoice As Recordset
Public rsinvoice2 As Recordset
Public rsSupplier As Recordset
Public rsprescription As Recordset
```

Public Sub Connect()

    'Instantiate the connection

    Set cn = New Connection

    cn.ConnectionString = "Provider =Microsoft.Jet.OLEDB.3.51.0;" &  
        "Data Source=" & App.Path & "\Pharmacy.mdb"

    'open the connection

    cn.Open

    'check to see if connection is established

    'If cn.State = adStateOpen Then MsgBox "Connection Successful"

    'Instantiate the recordset object

    Set rsCustomer = New Recordset

    rsCustomer.Open "Select \* from Customer", cn, adOpenKeyset, adLockOptimistic

    Set rsprescription = New Recordset

    rsprescription.Open "Select \* from Prescription", cn, adOpenKeyset, adLockOptimistic

    Set rsinventory = New Recordset

    rsinventory.Open "Select \* from [Drug Inventory]", cn, adOpenKeyset, adLockOptimistic

    Set rsinventory2 = New Recordset

    rsinventory2.Open "Select Name from [Supplier] group by Name", cn, adOpenKeyset, adLockOptimistic

    'adLockOptimistic

    Set rsinventory3 = New Recordset

    rsinventory3.Open "Select Type\_ID from [Type]", cn, adOpenKeyset, adLockOptimistic

    Set rsinventory4 = New Recordset

    rsinventory4.Open "Select \* from [Drug Inventory]", cn, adOpenKeyset, adLockOptimistic

    Set rsSupplier = New Recordset

    rsSupplier.Open "select \* from Supplier", cn, adOpenKeyset, adLockOptimistic

    Set rsemployee = New Recordset

    rsemployee.Open "select \* from Employee", cn, adOpenKeyset, adLockOptimistic

    Set rsinvoice = New Recordset

    rsinvoice.Open "select \* from [Drug Inventory]", cn, adOpenKeyset, adLockOptimistic

    Set rsinvoice2 = New Recordset

    rsinvoice2.Open "Select \* from [Invoice] order by Date", cn, adOpenKeyset, adLockPessimistic

End Sub

Public Sub Connection\_Close()

    cn.Close

End Sub

Public Sub FillInvoice()

    frmInvoice.txtNumber.Text = rsinvoice2![Invoice\_Number] & ""

    frmInvoice.txtDate.Text = rsinvoice2![Date]

    frmInvoice.cboCustName.Text = rsinvoice2![Cust\_Name] & ""

    frmInvoice.txtPhysician2.Text = rsinvoice2![Physician] & ""

    frmInvoice.txtPolicy2.Text = rsinvoice2![Policy] & ""

    frmInvoice.txtDN.Text = rsinvoice2![Drug Name] & ""

    frmInvoice.txtPills.Text = rsinvoice2![Pills] & ""

    frmInvoice.txtPrice.Text = rsinvoice2![Price] & ""

    frmInvoice.txtTotal.Text = rsinvoice2![Total] & ""

End Sub

Public Sub Fillcustomer()

    frmCust.txtID.Text = rsCustomer![Cust\_ID] & ""

    frmCust.txtFirst.Text = rsCustomer![First Name] & ""

    frmCust.txtLast.Text = rsCustomer![Last Name] & ""

    frmCust.txtAddress.Text = rsCustomer![Address] & ""

```

frmCust.txtProvince.Text = rsCustomer![Province] & ""
frmCust.txtPostal.Text = rsCustomer![Postal_Code] & ""
frmCust.txtBalance.Text = rsCustomer![Balance] & ""
frmCust.txtBalance.Text = Format(frmCust.txtBalance.Text, "currency")
frmCust.txtPhysician.Text = rsCustomer![Physician] & ""
frmCust.txtDOB.Text = rsCustomer![Birth_Date] & ""
frmCust.txtDTD.Text = rsCustomer![Drugs_To_Date] & ""
frmCust.txtPhone.Text = rsCustomer![Phone] & ""
frmCust.txtInsurance.Text = rsCustomer![Insurance_Company] & ""
frmCust.txtPolicy.Text = rsCustomer![Policy_No] & ""
frmCust.txtexpiry.Text = rsCustomer![Expr_Date] & ""

```

End Sub

```

Public Sub FillSupplier()
    frmSupplier.cboSupplierID.Text = rsSupplier![Supplier_ID] & ""
    frmSupplier.cboName2.Text = rsSupplier![Name] & ""
    frmSupplier.txtContact.Text = rsSupplier![Contact] & ""
    frmSupplier.txtTitle.Text = rsSupplier![Title] & ""
    frmSupplier.txtAddress2.Text = rsSupplier![Address] & ""
    frmSupplier.txtCity2.Text = rsSupplier![City] & ""
    frmSupplier.txtProvince2.Text = rsSupplier![Province] & ""
    frmSupplier.txtCountry2.Text = rsSupplier![Country] & ""
    frmSupplier.txtPostal2.Text = rsSupplier![Postal_Code] & ""
    frmSupplier.txtPhone2.Text = rsSupplier![Phone] & ""
    frmSupplier.txtFax2.Text = rsSupplier![Fax] & ""

```

End Sub

```

Public Sub FillChoName()
    rsinvoice2.MoveFirst
    Do Until rsinvoice2.EOF
        frmInvoice.cboCustName.AddItem rsinvoice2![Cust_Name]
        rsinvoice2.MoveNext
    Loop
    frmInvoice.cboCustName.ListIndex = 0
    rsinvoice2.MoveFirst

```

End Sub

```

Public Sub enable()
    frmCust.cmdCancel.Enabled = True
    frmCust.cmdAdd.Enabled = True
    frmCust.cmdDelete.Enabled = True
    frmCust.cmdexit.Enabled = True
    frmCust.cmdFind.Enabled = True
    frmCust.cmdSave.Enabled = True
    frmCust.cmdBrowse(0).Enabled = True
    frmCust.cmdBrowse(1).Enabled = True
    frmCust.cmdBrowse(2).Enabled = True
    frmCust.cmdBrowse(3).Enabled = True

```

End Sub

```

Public Sub disable()
    frmCust.cmdAdd.Enabled = False
    frmCust.cmdDelete.Enabled = False
    frmCust.cmdexit.Enabled = False
    frmCust.cmdFind.Enabled = False
    frmCust.cmdBrowse(0).Enabled = False
    frmCust.cmdBrowse(1).Enabled = False
    frmCust.cmdBrowse(2).Enabled = False
    frmCust.cmdBrowse(3).Enabled = False

```

End Sub

```

Public Sub clear()
    frmCust.txtFirst.Text = ""
    frmCust.txtLast.Text = ""
    frmCust.txtAddress.Text = ""
    frmCust.txtCity.Text = ""
    frmCust.txtProvince.Text = ""
    frmCust.txtDOB.Text = ""
    frmCust.txtDTD.Text = ""
    frmCust.txtPhysician.Text = ""
    frmCust.txtexpiry.Text = ""

```



```

frmCust.txtPolicy.Text = ""
frmCust.txtInsurance.Text = ""
frmCust.txtBalance.Text = ""
frmCust.txtPostal.Text = ""
frmCust.txtPhone.Text = ""
frmPrescription.cboID.Text = ""

```

```
End Sub
```

```

Public Sub FillCboSupplierID()
    rsSupplier.MoveFirst
    Do Until rsSupplier.EOF
        frmSupplier.cboSupplierID.AddItem rsSupplier![Supplier_ID]
        rsSupplier.MoveNext
    Loop
    frmSupplier.cboSupplierID.ListIndex = 0
    rsSupplier.MoveFirst
End Sub

```

```

Public Sub FillCboSupID()
    rsinventory2.MoveFirst
    Do Until rsinventory2.EOF
        frmDrugInven.cboSupName.AddItem rsinventory2![Name]
        rsinventory2.MoveNext
    Loop
    frmDrugInven.cboSupName.ListIndex = 0
    rsinventory2.MoveFirst
End Sub

```

```

Public Sub FillCboTypeID()
    rsinventory3.MoveFirst
    Do Until rsinventory3.EOF
        frmDrugInven.cboTypeID.AddItem rsinventory3![Type_ID]
        rsinventory3.MoveNext
    Loop
    frmDrugInven.cboTypeID.ListIndex = 0
    rsinventory3.MoveFirst
End Sub

```

```

Public Sub fillinvoice2()
    rsinventory.MoveFirst
    Do Until rsinventory.EOF
        frmDrugInven.cboName.AddItem rsinventory![Name]
        rsinventory.MoveNext
    Loop
    frmDrugInven.cboName.ListIndex = 0
    rsinventory.MoveFirst
End Sub

```

```

Public Sub fillinventory()
    frmDrugInven.txtDID.Text = rsinventory![Drug_ID] & ""
    frmDrugInven.cboName.Text = rsinventory![Name] & ""
    frmDrugInven.txtDesc.Text = rsinventory![Description] & ""
    frmDrugInven.txtAmtStock.Text = rsinventory![Amt_In_Stock] & ""
    frmDrugInven.cboSupName.Text = rsinventory![Supplier_Name] & ""
    frmDrugInven.txtSupID.Text = rsinventory![Supplier_ID] & ""
    frmDrugInven.cboTypeID.Text = rsinventory![Type_ID] & ""
    frmDrugInven.txtPrice.Text = rsinventory![Price] & ""
    frmDrugInven.txtPrice.Text = Format(frmDrugInven.txtPrice.Text, "currency")
End Sub

```

```

Public Sub filltxtSupID()
    frmDrugInven.txtSupID.Text = rsinventory![Supplier_ID] & ""
End Sub

```

```

Public Sub disable2()
    frmDrugInven.cmdAdd.Enabled = False
    frmDrugInven.cmdDelete.Enabled = False
    frmDrugInven.cmdexit.Enabled = False
    frmDrugInven.cmdBrowse(0).Enabled = False
    frmDrugInven.cmdBrowse(1).Enabled = False
    frmDrugInven.cmdBrowse(2).Enabled = False
    frmDrugInven.cmdBrowse(3).Enabled = False
End Sub

```

```

Public Sub enable2()
    frmDrugInven.cmdAdd.Enabled = True
    frmDrugInven.cmdDelete.Enabled = True
    frmDrugInven.cmdexit.Enabled = True
    frmDrugInven.cmdBrowse(0).Enabled = True

```



```
frmDrugInven.cmdBrowse(1).Enabled = True
frmDrugInven.cmdBrowse(2).Enabled = True
frmDrugInven.cmdBrowse(3).Enabled = True
```

```
End Sub
```

```
Public Sub FillComboBox()
    rsCustomer.MoveFirst
    Do Until rsCustomer.EOF
        frmPrescription.cboID.AddItem rsCustomer![Cust_ID]
        rsCustomer.MoveNext
    Loop
    frmPrescription.cboID.ListIndex = 0      'selects the first item in the list
    rsCustomer.MoveFirst
```

```
End Sub
```

```
Public Sub FillPrescription()
    frmPrescription.txtFirst2.Text = rsCustomer![First_Name] & ""
    frmPrescription.txtLast2.Text = rsCustomer![Last_Name] & ""
    frmPrescription.txtPhysician2.Text = rsCustomer![Physician] & ""
    frmPrescription.txtPhone2.Text = rsCustomer![Phone] & ""
    frmPrescription.txtPolicyNum.Text = rsCustomer![Policy_No] & ""
    frmPrescription.txtBalance2.Text = rsCustomer![Balance] & ""
    frmPrescription.txtSubtotal.Text = rsCustomer![Balance] & ""
```

```
frmPrescription.txtBalance2.Text = Format(frmPrescription.txtBalance2.Text, "currency")
frmPrescription.txtSubtotal.Text = Format(frmPrescription.txtSubtotal.Text, "currency")
frmPrescription.txtTotal.Text = Format(frmPrescription.txtTotal.Text, "currency")
```

```
End Sub
```

```
Public Sub fillinventory2()
    frmPrescription.txtDrug.Text = rsinventory![Drug_ID] & ""
    frmPrescription.txtdescription.Text = rsinventory![Description] & ""
    frmPrescription.txtPrice2.Text = rsinventory![Price] & ""
```

```
End Sub
```

```
Public Sub FillComboBox2()
    rsinventory.MoveFirst
    Do Until rsinventory.EOF
        frmPrescription.cboDrug.AddItem rsinventory![Name]
        rsinventory.MoveNext
    Loop
    frmPrescription.cboDrug.ListIndex = 0      'selects the first item in the list
    rsinventory.MoveFirst
```

```
End Sub
```

```
Public Sub FillComboBox3()
    rsinventory.MoveFirst
    Do Until rsinventory.EOF
        frmAdd.cboDrug2.AddItem rsinventory![Name]
        rsinventory.MoveNext
    Loop
    frmAdd.cboDrug2.ListIndex = 0      'selects the first item in the list
    rsinventory.MoveFirst
```

```
End Sub
```

```
Public Sub FillAdd()
    frmAdd.txtDrugId.Text = rsinventory![Drug_ID] & ""
    frmAdd.txtDrugDesc.Text = rsinventory![Description] & ""
    frmAdd.txtPillPrice.Text = rsinventory![Price_per_pill] & ""
```

```
End Sub
```

```
Public Sub status()
    MDIForm1.StatusBar1.Panels(1).Text = MDIForm1.ActiveForm.Caption
```

```
End Sub
```

```
Public Sub disable3()
```

```
frmSupplier.cmdPrint.Enabled = False
frmSupplier.cmdDelete.Enabled = False
frmSupplier.cmdExit.Enabled = False
frmSupplier.cmdFind.Enabled = False
frmSupplier.cmdClear.Enabled = False
frmSupplier.cmdBrowse(0).Enabled = False
frmSupplier.cmdBrowse(1).Enabled = False
frmSupplier.cmdBrowse(2).Enabled = False
frmSupplier.cmdBrowse(3).Enabled = False
End Sub
```

```
Public Sub enable3()
    frmSupplier.cmdPrint.Enabled = True
    frmSupplier.cmdClear.Enabled = True
    frmSupplier.cmdCancel.Enabled = True
    frmSupplier.cmdAdd.Enabled = True
    frmSupplier.cmdDelete.Enabled = True
    frmSupplier.cmdExit.Enabled = True
    frmSupplier.cmdFind.Enabled = True
    frmSupplier.cmdSave.Enabled = True
    frmSupplier.cmdBrowse(0).Enabled = True
    frmSupplier.cmdBrowse(1).Enabled = True
    frmSupplier.cmdBrowse(2).Enabled = True
    frmSupplier.cmdBrowse(3).Enabled = True
End Sub
```

```
Public Sub fillcbodrugname()
    rsInventory.MoveFirst
    Do Until rsInventory.EOF
        frmDrugInven.cboName.AddItem rsInventory![Name]
        rsInventory.MoveNext
    Loop
    frmDrugInven.cboName.ListIndex = 0
    rsInventory.MoveFirst
End Sub
```

```
Public Sub fillsupname()
    rsSupplier.MoveFirst
    Do Until rsSupplier.EOF
        frmSupplier.cboName2.AddItem rsSupplier![Name]
        rsSupplier.MoveNext
    Loop
    frmSupplier.cboName2.ListIndex = 0
    rsSupplier.MoveFirst
End Sub
```

## VI. SCREEN OUTPUTS

Q 1. Create New User  
Q 2. Associate File  
Q 3. Import Data  
Q 4. Display New Data

**PASSWORD REGISTRATION FORM**

Username:

Password:

## Simge Pharmacy

Choose the form you wish to work from the options below

- ☐ 1. Customer Form
- ☐ 2. Prescription Form
- ☐ 3. Invoice Form
- ☐ 4. Drug Inventory Form
- ☐ 5. Supplier's Form

Goto

Exit



## CUSTOMER FORM

### Customer Address

Customer ID #:

First Name:

Last Name:

Address:

City:

Province:

Postal Code:

Phone #:

### Customer Information

Physician:

Date of Birth:

Insurance Company:

Policy #:

Expiry Date:

Drugs to Date:

Balance Owing:

1.2 Find

1.3 Add

1.4 Cancel

1.5 Save

1.6 Delete

1.7 Exit

1.1 Goto Prescription Form

|< << >> >|

PREScription FORM

**Customer Information**

Customer ID: Combo1 ▼  
First Name:  
Last Name:  
Phone Number:  
Referring Physician:  
Policy Number:

**Drug History**

Drug Name: ▼  
Drug ID:  
Drug Description:  
Drug Price:  
(Per 20 Pills)

**Charges**

Previous Balance Owing:

Price of New Prescriptions:

SubTotal:

Delivery Charge:

Total:

☐ Check Here for Delivery Service

2.1 Add Prescription

2.2 Goto Invoice Generator

ADD PRESCRIPTION FORM

Drug Name:	Combo1 ▼
Drug ID:	<input type="text"/>
Drug Description:	<input type="text"/>
Price Per Pill:	<input type="text"/>
Total Pills:	<input type="text"/>
Amount Due:	<input type="text"/>

2.1.1 Calculate Amount Due    2.1.2 Back to Prescription Form

INVOICE FORM

Invoice Number:	<input type="text"/>
Date:	<input type="text"/>
Customer Name:	<input type="text"/>
Referring Physician:	<input type="text"/>
Insurance Policy Number:	<input type="text"/>
Drug Name:	<input type="text"/>
Pills:	<input type="text"/>
Price per pill:	<input type="text"/>
Total:	<input type="text"/>

3.1 Save
3.2 Generate Invoice
3.3 Simge Pharmacy



DRUG INVENTORY FORM

Drug ID:	<input type="text"/>	<div>4.1 Add</div> <div>4.2 Delete</div> <div>4.3 Save</div> <div>4.4 Exit</div> <div>4.5 Cancel</div>
Drug Name:	<input type="text"/>	
Description:	<input type="text"/>	
Amount in Stock:	<input type="text"/>	
Supplier Name:	<input type="text"/>	
Supplier ID:	<input type="text"/>	
Type ID:	<input type="text"/>	
Price:	<input type="text"/>	
<div>&lt; &lt;&lt; &gt;&gt; &gt;</div>		

# SUPPLIER'S FORM

Supplier ID:	Combo1 ▼	Supplier Name:	Combo2 ▼	5.1 Find
Contact Name:	<input type="text"/>	Contact's Title:	<input type="text"/>	5.2 Clear
Address:	<input type="text"/>			5.3 Add
City:	<input type="text"/>	Province:	<input type="text"/>	5.4 Save
Country	<input type="text"/>	Postal Code:	<input type="text"/>	5.5 Delete
Phone Number:	<input type="text"/>	Fax:	<input type="text"/>	5.6 Cancel
<div>  &lt; &lt;&lt; &gt;&gt; &gt;  </div>				5.7 Print
				5.8 Exit

## **VII. REFERENCES**

**Marquis Annette “Bilgisayar Öğrenim Klavuzu” Courter Gini, 1. Basım, 1998, Alfa Basım Yayım Dağıtım.**

**Microsoft Office 2000, Professional Edition, Türkçe Sürüm, Sistem Yayıncılık, Greg Perry. (For Access)**

**Gurewich, Nathan and Gurwich, Ori “Visual Basic 5 in 21 Days”, Sams Publishing, 1997, Professional Reference Edition.**

**Visual Studio Series, Visual Basic 6 , How To Program. Dietel & Dietel T.R. Nieto.**

**<http://vbasic.bilgisi.com/>**