

# NEAR EAST UNIVERSITY



FACULTY OF ECONOMICS AND  
ADMINISTRATIVE SCIENCES

DEPARTMENT OF COMPUTER  
INFORMATION SYSTEM

2002/2003 FALL TERM  
CIS 400  
(Graduation Project)

PETROLLLOM STATION SYSTEM

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Nicosia  
2003



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## ACKNOWLEDGEMENT

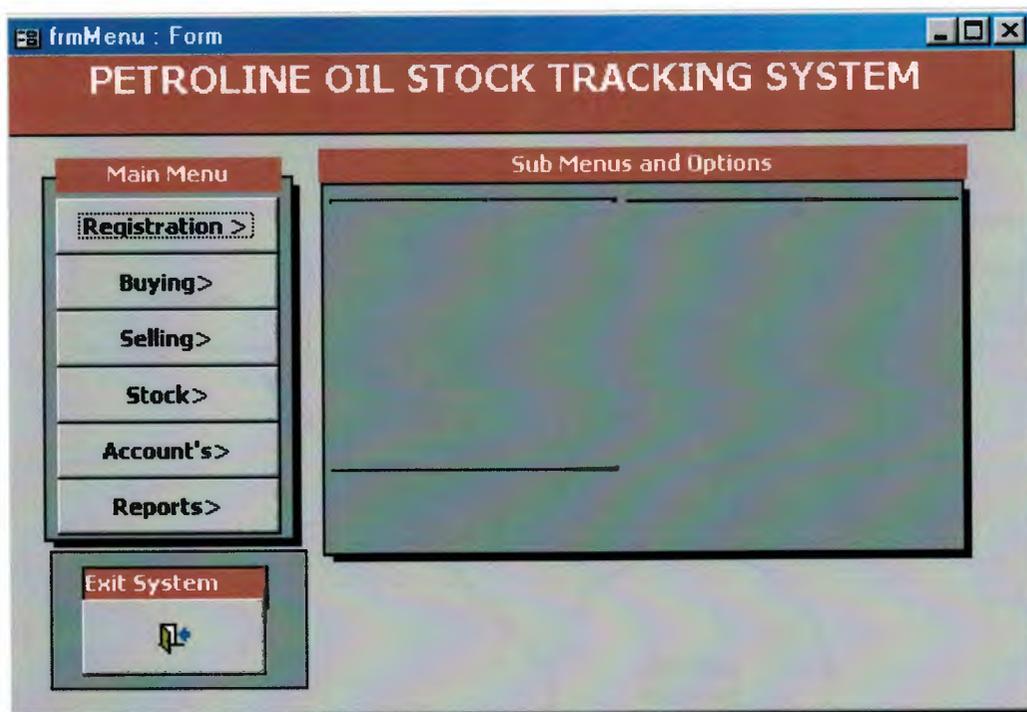
*I would like to thank God for the precious gifts he granted me, and for succeeding me.*

*Also I am thankful for my advisor "Miss. Nadire Cavus". She was so kind and supportive, without her help I could not be able to complete my project. And also I would like to thank "Mr. Yalcin Akcali" for helping me and assisting me in all possible ways, I am grateful for the time and effort they spent helping me.*

*I dedicate this project to my family, who encouraged me and gave me the chance to study, and stood with me all the way, if it wasn't for their love and support I could not have succeeded, may God bless them.*

*Last but not least, Special thanks to everyone who helped me complete my project and provided their support, namely my faithful friends:*

## INTRODUCTION



The Petroleum Program is written by Micro Soft Access. This tool based on project oriented programming made to help the users in their work,

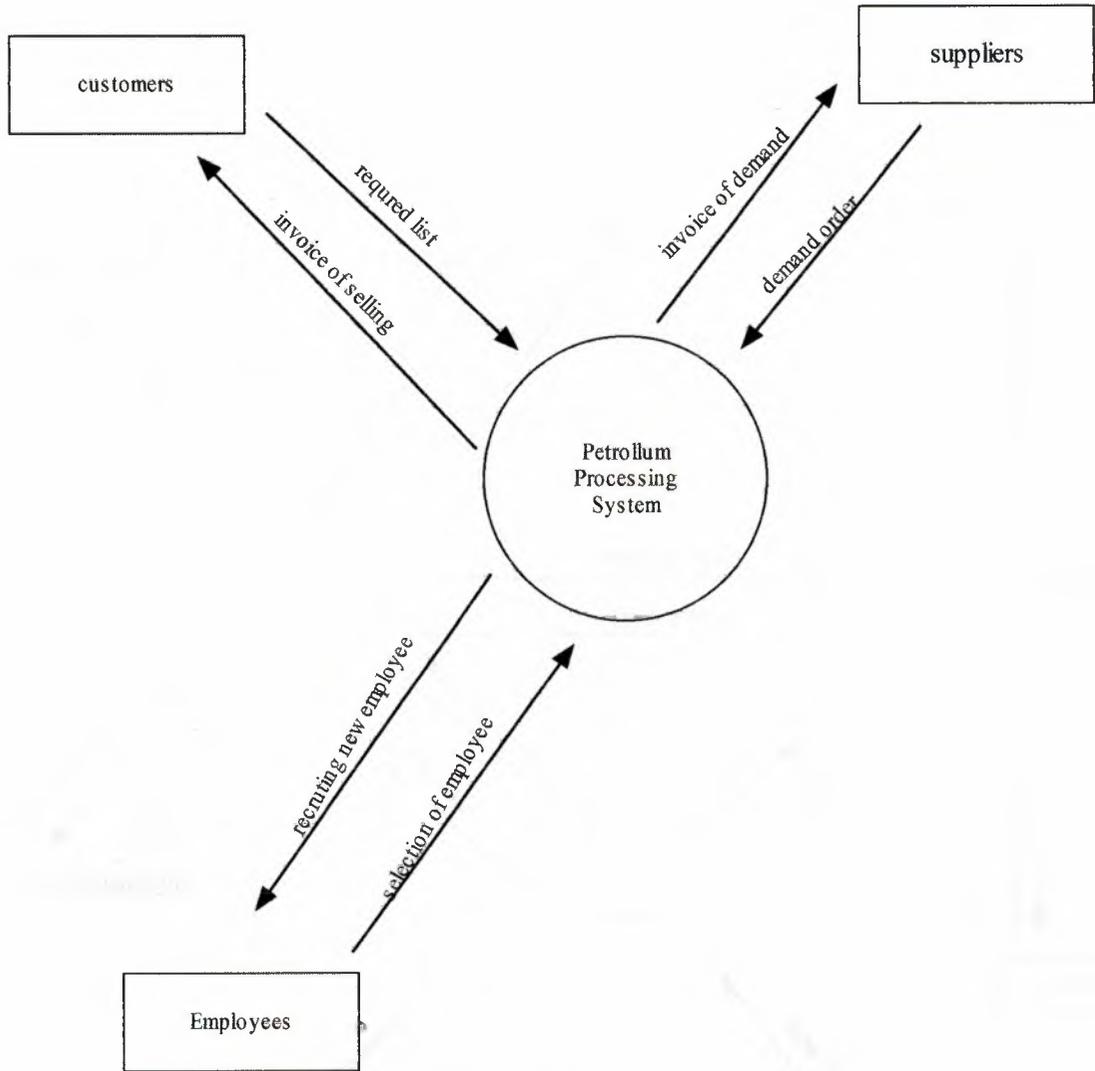
The program has may process which are shown up in the Figure.

- Registration process: through this process the user able to register Oil, Customer, Supplier, and Employee.
- Buying process: through this process the user can buy oil.
- Selling process: the use can sell oil.
- Stock process: in this process the user can chick the oils in their stocks.
- Account process: in this process to chick the account.
- Report process: here to make reports for each buying and selling.

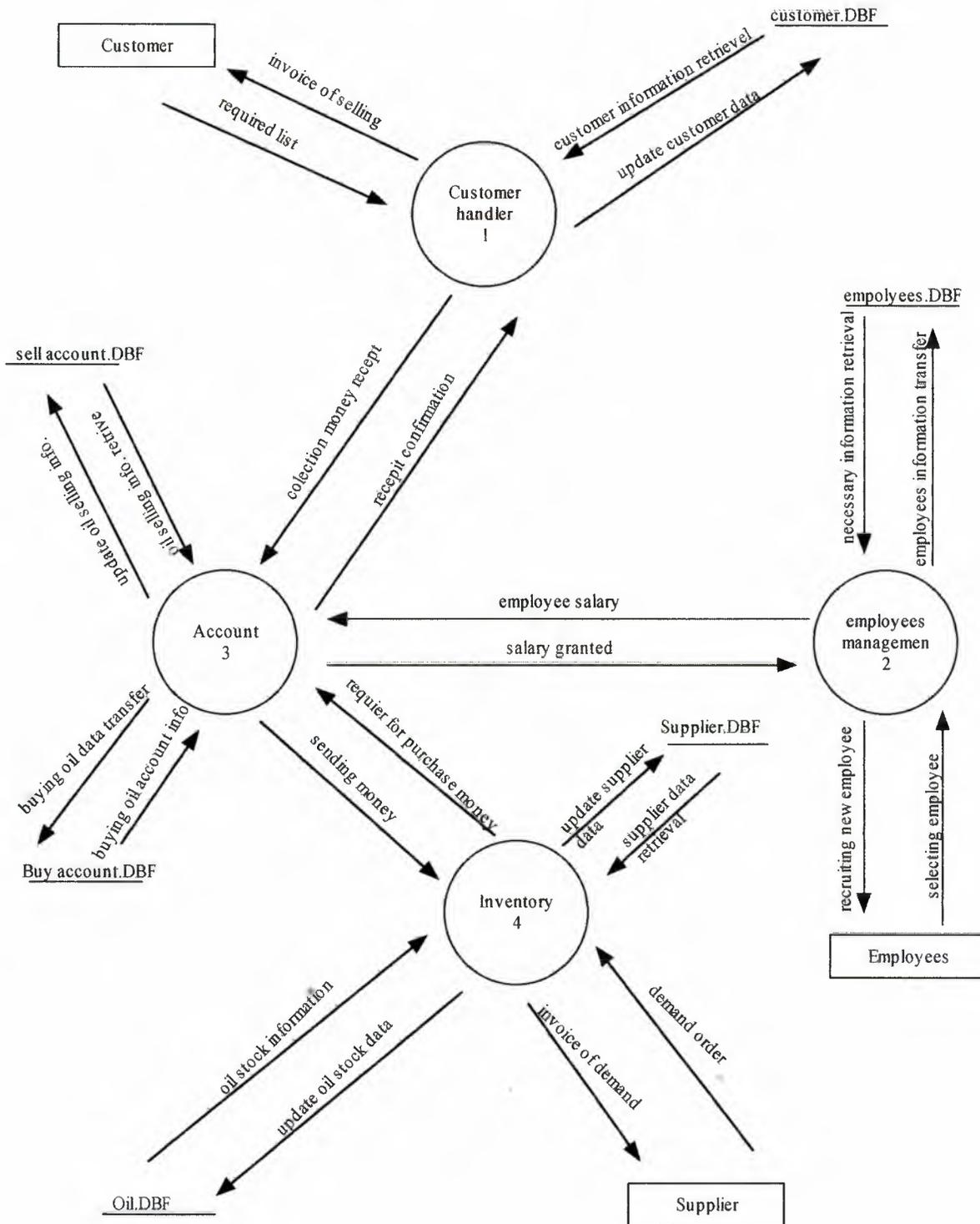
## ABSTRACT

The objectives of this project is to develop a gas station computer based system, to help the employees in their work, and make it easer for all transaction such as the purchase and sale of oil, as well as maintaining various records and records and reports. With quick access and ease of usage for users who do not have computer skills.

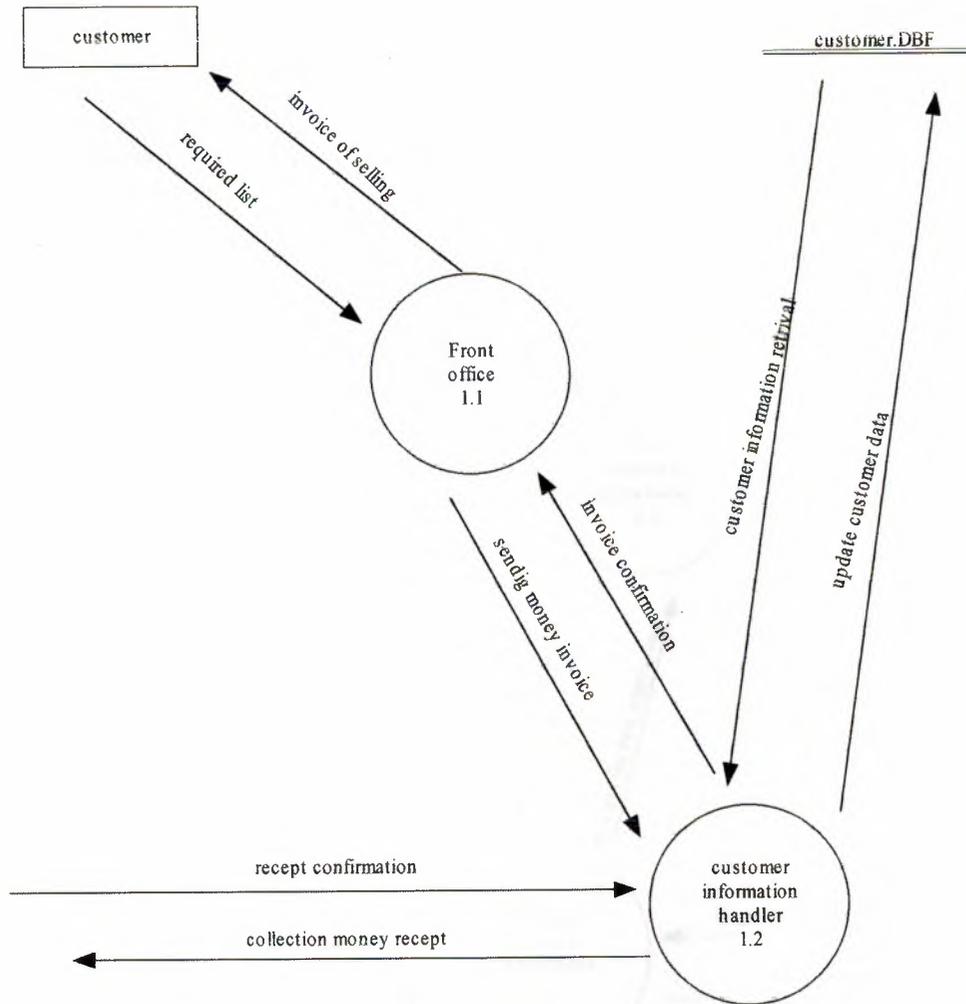
### CONTEXT DATA FLOW DIAGRAM



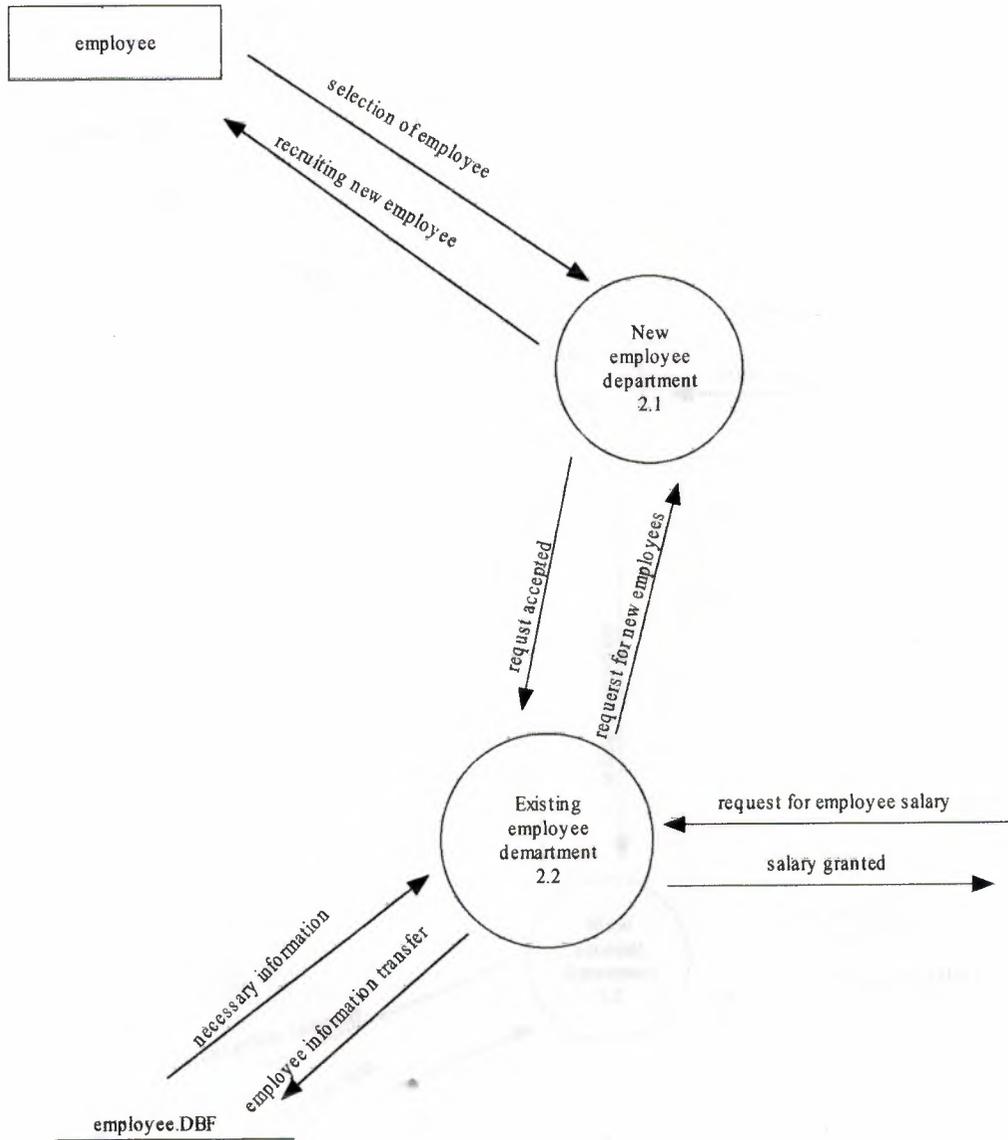
# TOP LEVEL DIAGRAM



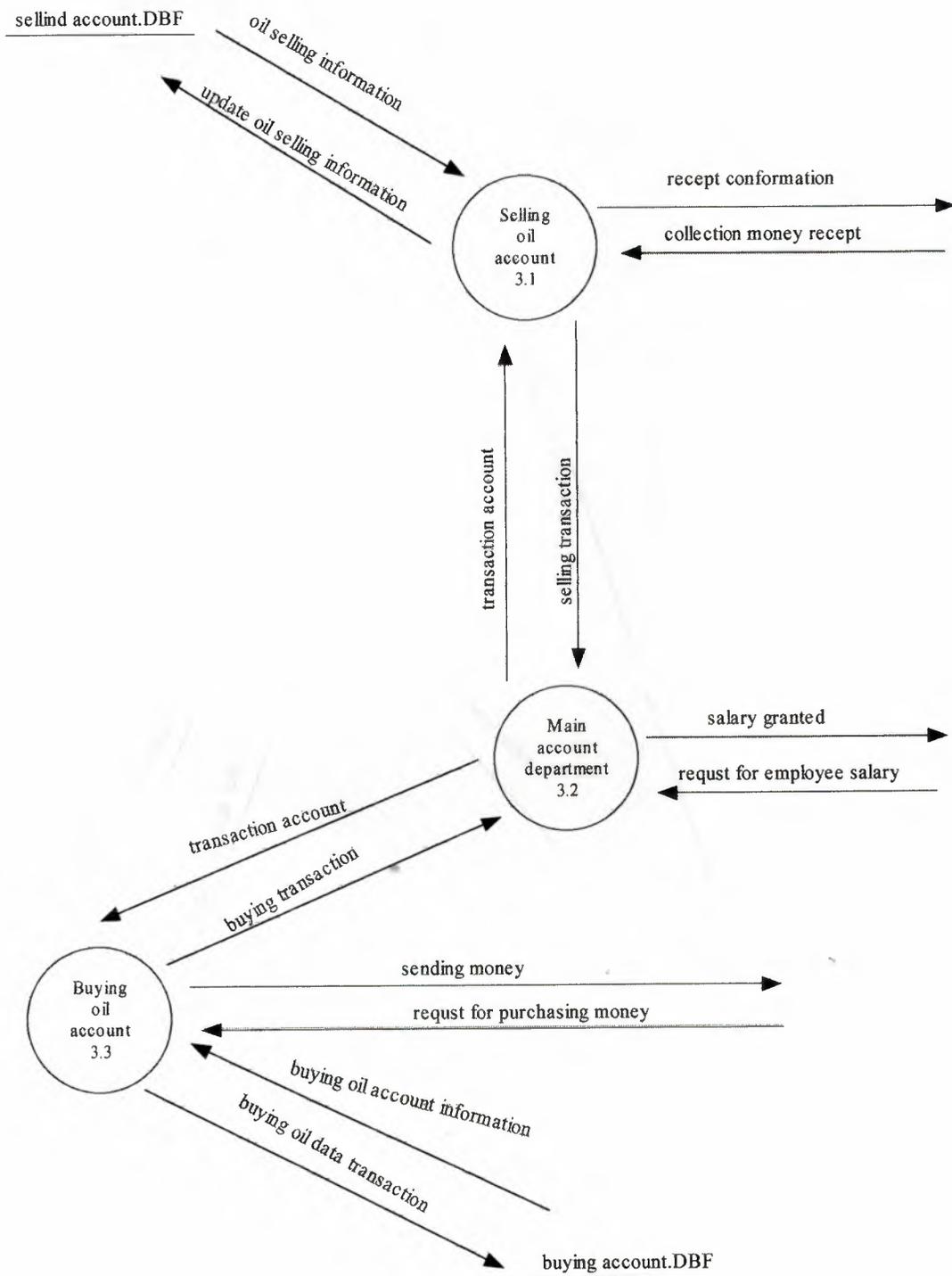
# CUSTOMER DETAIL DATAFLOW DIAGRAM



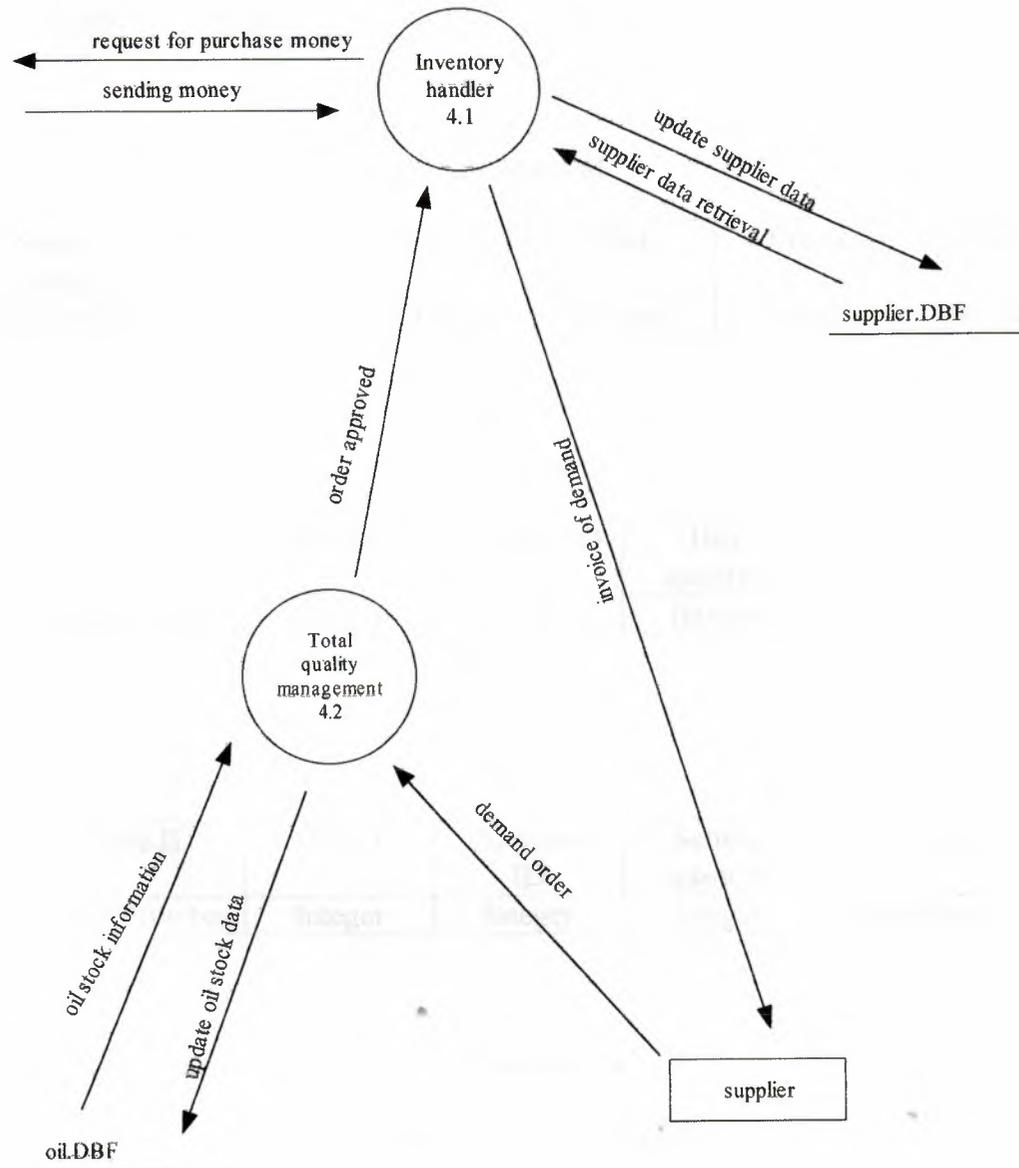
# EMPLOYEE DATAFLOW DIAGRAM



## ACCOUNTS DETAIL DATAFLOW DIAGRAM



## DETAIL DATA FLOW DIAGRAM OF INVENTORY



## DATABASE DESIGN

### Buy account

Serial number	Supplier ID	Amount	Paid	Credit	Date
AutoNumber	Integer	Integer	Integer	Integer	Short date

### Sell Account

Serial number	Supplier ID	Amount	Paid	Credit	Date
AutoNumber	Integer	Integer	Integer	Integer	Short date

### Buying

Buy ID	Oil ID	Supplier ID	Buy quantity	Buy date
AutoNumber	Integer	Integer	Integer	Short date

### Selling

Sale ID	Oil ID	Customer ID	Selling quantity	Selling date
AutoNumber	Integer	Integer	Integer	Short date

### Customer

Customer ID	Customer name
Integer	character

### Supplier

Supplier ID	Supplier name
Integer	character

**Employee**

Employee ID	Employee name	Employee surname	Employee job	Employee salary	Join Date
Integer	character	character	character	Integer	Short date

**Oil**

Oil ID	Oil name	Oil Type	Minimum Level	Selling unit price	Selling unit price	Selling level

## USER MANUAL

This session will describe the brief introduction as how to operate the program in order to facilitate the user who does not know much about computers. The gas station program is very easy to operate and work as it is user friendly. Upon getting the program the user just has to copy it to his system, by simply double clicking it he can execute the program as there is no need for installation, the prescription needed for the program is as follows:

- ❖ Windows 9x, 2000, XP.
- ❖ Pentium 166MHz or higher.
- ❖ 32 MB RAM.
- ❖ 50 MB free disk space.

The program will take a few seconds to load and then the user will be provided with the main page as shown in Figure 1.1.

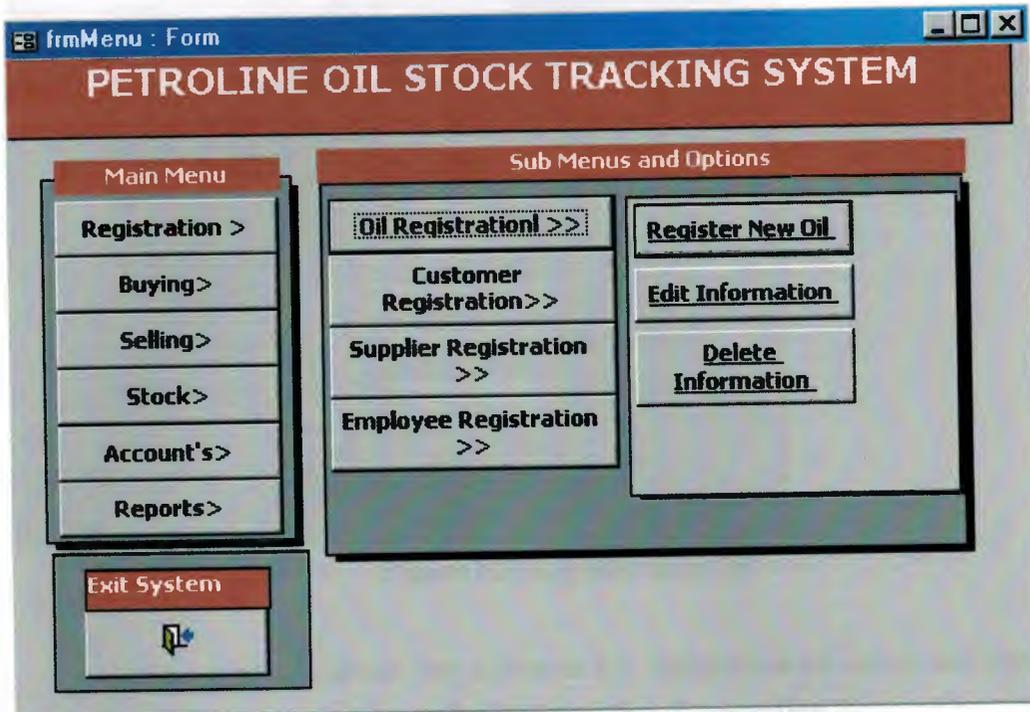


Figure 1.1 shows the main menu with submenu of Registration

The figure show for us the main menu and the registration with its submenu, it is the first page in the program after the splash screen. In this page we can se the menu such Registration, Buying, Selling, Stock, Account, and Reports. And the main menu will always showed in the program to easily use the program.

Now we are going to talk about the Registration's submenu, here we are able to add new oil, customer, supplier, and employee. In registration process are adding information for these listed up for the first time.

The screenshot shows a software window titled "frmRegNewOil : Form" with a red header bar containing the text "Register New Oil". The form contains the following fields and controls:

Oil ID:	<input type="text" value="0001"/>	
Oil Name :	<input type="text" value="super"/>	
Oil Type :	<input type="text" value="Deisel"/>	
Reorder point:	<input type="text" value="20"/>	(gallon)
Buying Unit Price:	<input type="text" value="10"/>	(\$/ gallon)
Selling Unit Price:	<input type="text" value="12"/>	(\$/ gallon)

At the bottom of the form, there are two buttons: a "Save" button (represented by a floppy disk icon) and a "Back" button (represented by a door icon).

**Figure1.2:** Register New Oil

Let us now talk about the submenu for registration oil which has registering new oil, edit for oil, and delete oil, when we click Registration New Oil button it will display for us page to fill it information about the oil as in figure 1.2

So when you click on save is singed as Disk the information will automatic save and it turn to the main menu, and if you click n back button is singed as Door it will turn to the main without saving any data.

**Figure 1.3:** Edit Oil Information

And in Edit information here we are able to edit information for existing oil, also when click button Edit Information it will display same of the previous page in figure 1.2 with information of oil that you selected as in figure 1.3.

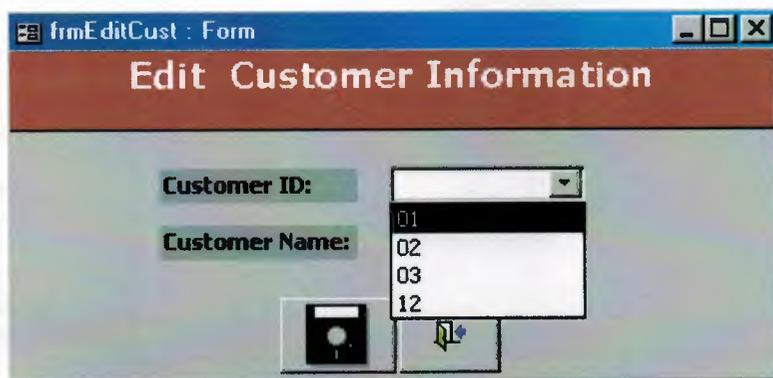
**Figure 1.4:** Delete Oil

And the same for deleting process, when you click delete information it will display for us new page as in figure 1.4.



**Figure 1.5:** Register New Customer

Now we will talk about Customer Registration submenu, we use it to add, edit, and delete information about customer, as same as oil processing. We will show the figure for each processing.



**Figure 1.6:** Edit Customer Information

In this page we are able to change the information about existing customer by selecting the ID number and directly the data will display to edit it.

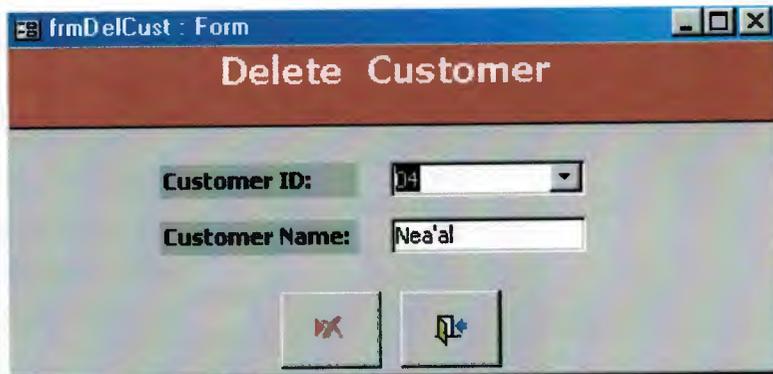


Figure 1.7: Delete Customer

Here we can delete an existing customer by selecting his/her ID number.

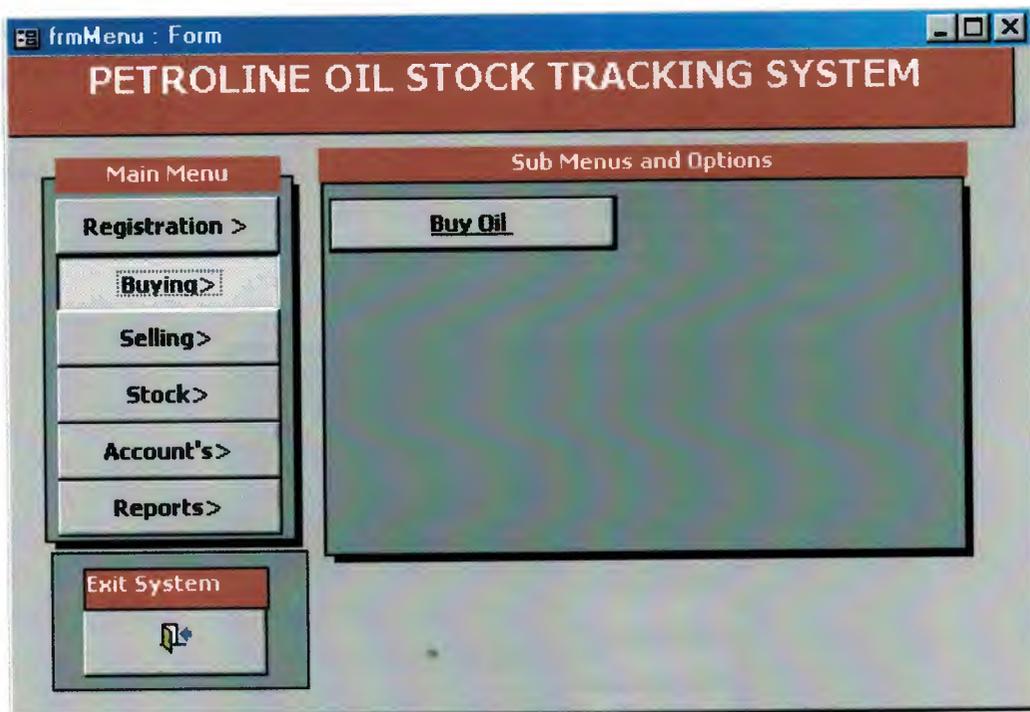
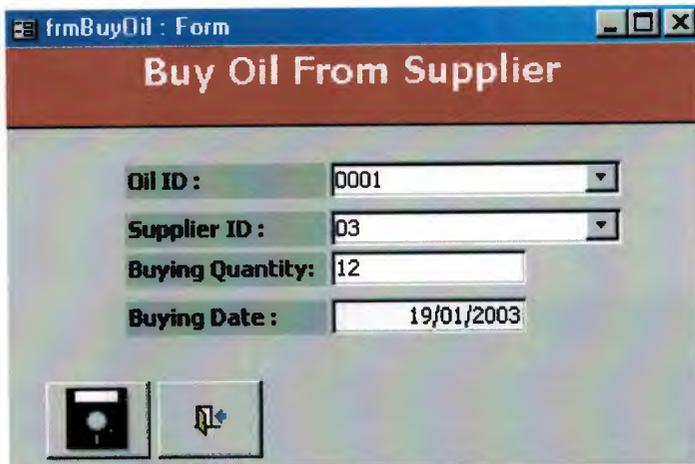


Figure 2.1: The Submenu of Buying

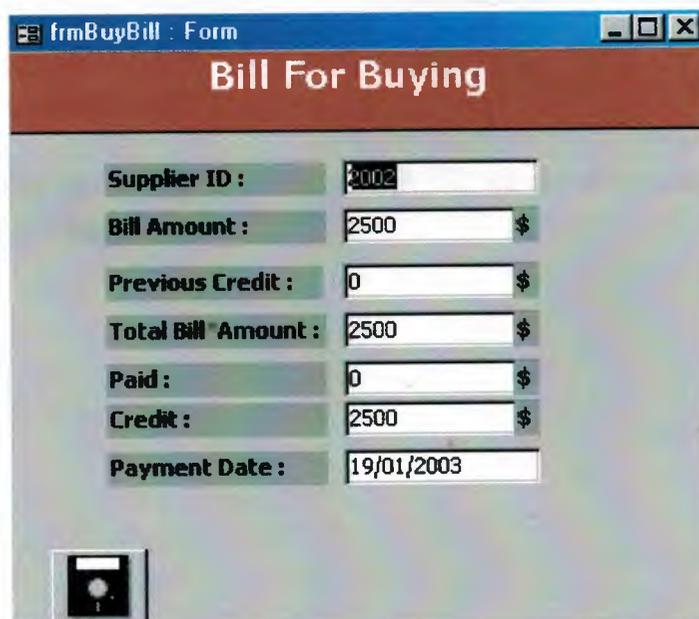
The buying menu we are able to make purchasing of oil from supplier, so when we click on buy oil, it will display for us new page to fill it information as it shown in figure 2.2.



Oil ID :	0001
Supplier ID :	03
Buying Quantity:	12
Buying Date :	19/01/2003

Figure 2.2: Buy Oil from supplier

So as we showing in this figure, we chose oil ID that we are willing to buy it and also we chose supplier ID that we are (added) with him/her and put the quantity that we want to buy it, when we click on save button will display buying bill that will show the total amount to bay, the credit and the amount he/she want to bay it as in figure 2.3.

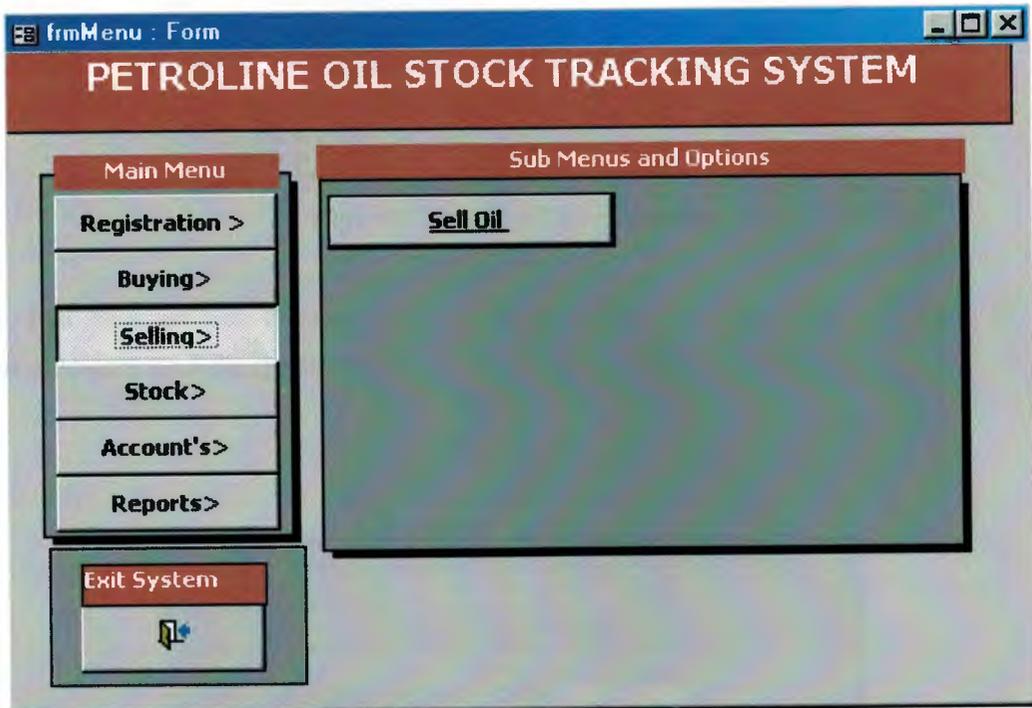


Supplier ID :	2002
Bill Amount :	2500 \$
Previous Credit :	0 \$
Total Bill Amount :	2500 \$
Paid :	0 \$
Credit :	2500 \$
Payment Date :	19/01/2003

Figure 2.3: Bill For Buying

It is showing the supplier ID, bill amount, and if he/she has any previous credit and the total bill amount, and he/she able to bay, these data directly going to save in

his/her database to check it in another time, we will see the main menu again when we click on save button.



**Figure 3.1:** The Submenu of Selling

Here in Selling menu with its submenu Sell Oil, we are able to sell oil that we have it in our stock to customer

The screenshot shows a software window titled "frmSellOil : Form" with a red header bar that says "Sell Oil to Customer". Below the header, there are four data entry fields:
 

- Oil ID :** A dropdown menu with "0001" selected.
- Customer ID :** A dropdown menu with "02" selected.
- Selling Quantity:** A text box containing "150".
- Buying Date :** A date picker showing "19/01/2003".

 At the bottom left of the form, there are two buttons: a dark square button and a light square button with a blue icon.

**Figure3.2:** Sell oil to customer

. Just click on Sell Oil and you will see new page that contains ID of oil, as same for customer and the quantity that we are going to sell see figure 3.2.

The screenshot shows a software window titled "frmSellBill : Form" with a red header bar that says "Bill For Sale". Below the header, there are seven data entry fields:
 

- Customer ID :** A text box containing "0002".
- Bill Amount :** A text box containing "4000" followed by a "\$" symbol.
- Previous Credit :** A text box containing "0" followed by a "\$" symbol.
- Total Bill Amount :** A text box containing "4000" followed by a "\$" symbol.
- Paid :** A text box containing "0" followed by a "\$" symbol.
- Credit :** A text box containing "4000" followed by a "\$" symbol.
- Payment Date :** A date picker showing "19/01/2003".

 At the bottom left of the form, there is a single dark square button.

**Figure 3.3:** Bill for sale

Same for buying oil page, when we click on save button it will show the bill for selling as same in buying see figure 3.3.

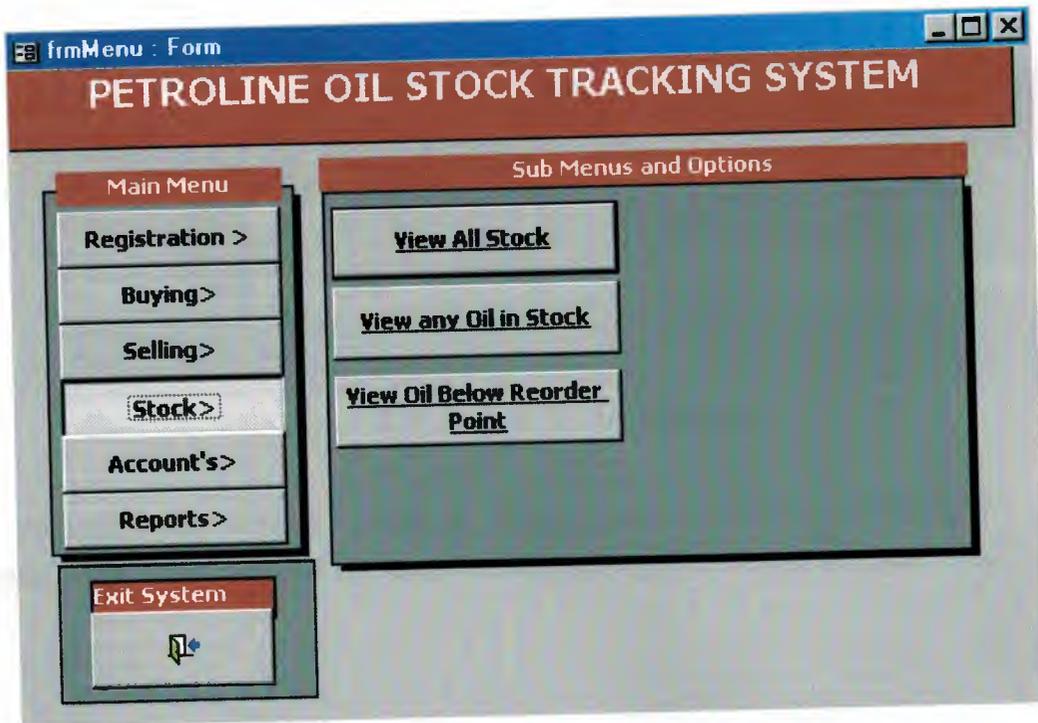


Figure 4.1: The submenu of stock

The stock process has three submenus View all stock, View any oil in stock, and View oil below reorder pointer. It is view the oil in our stock its quantity and all information about it.

Oil ID:	Oil Name :	Type:	Reorder Point:	Selling Unit Price	Buy
0002	normal	Deisel	20	8	
0003	normal	Regular	5	15	
222	fg	Petrol	3	2	
2222	awr	Petrol	5	4	

Figure 4.2: All stock

It is show all oils that we have in our stock with their details information such as oil ID, oil type, oil name, selling unit price etc.

Oil ID: 0001

Name	Type	Reorder Point	Stock Quantity	Selling Unit Price	Buying Unit Price
supper	Petrol	10	49	12	10

**Figure 4.3:** Any oil stock information

And the other submenu in stock we have View any oil is stock when you press in it gives new page you put ID oil number which you want to view it see figure 4.3.

ID	Name	Reorder Point	Stock Quantity
0002	normal	20	0
222	fg	3	0
2222	awr	5	0

**Figure 4.4:** All stock in reorder pointer

In this page shows the oil and the quantity we have and the minimum quantity of oil must be in stock and to re-order t buy new quantity from suppliers.

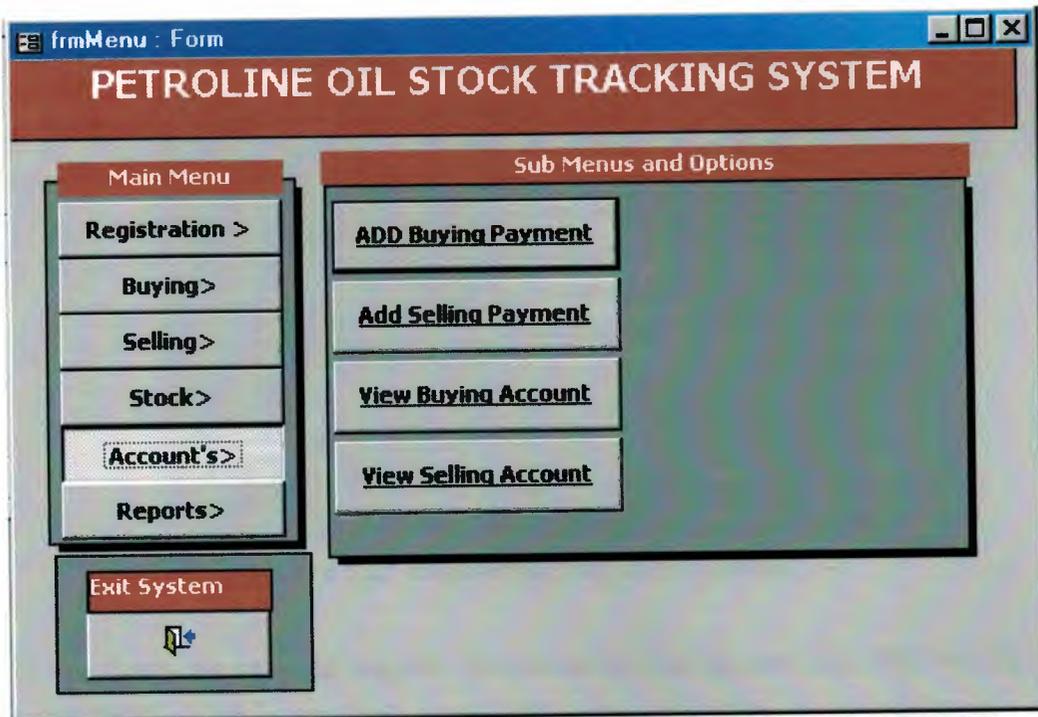


Figure 5.1: submenu of Account

In figure 5.1 we can see the submenu of Account for our operation in selling and buying, we have the ability to check the amount due for each supplier and customer, so if we click on any of these buttons in the account's submenu it will display for each different page, let's check the first process in it.

Supplier ID:	03
Amount Due :	500 \$
Paid :	250 \$
Credit :	250
Payment Date :	19/01/2003

**Figure 5.2: Registering buying payment**

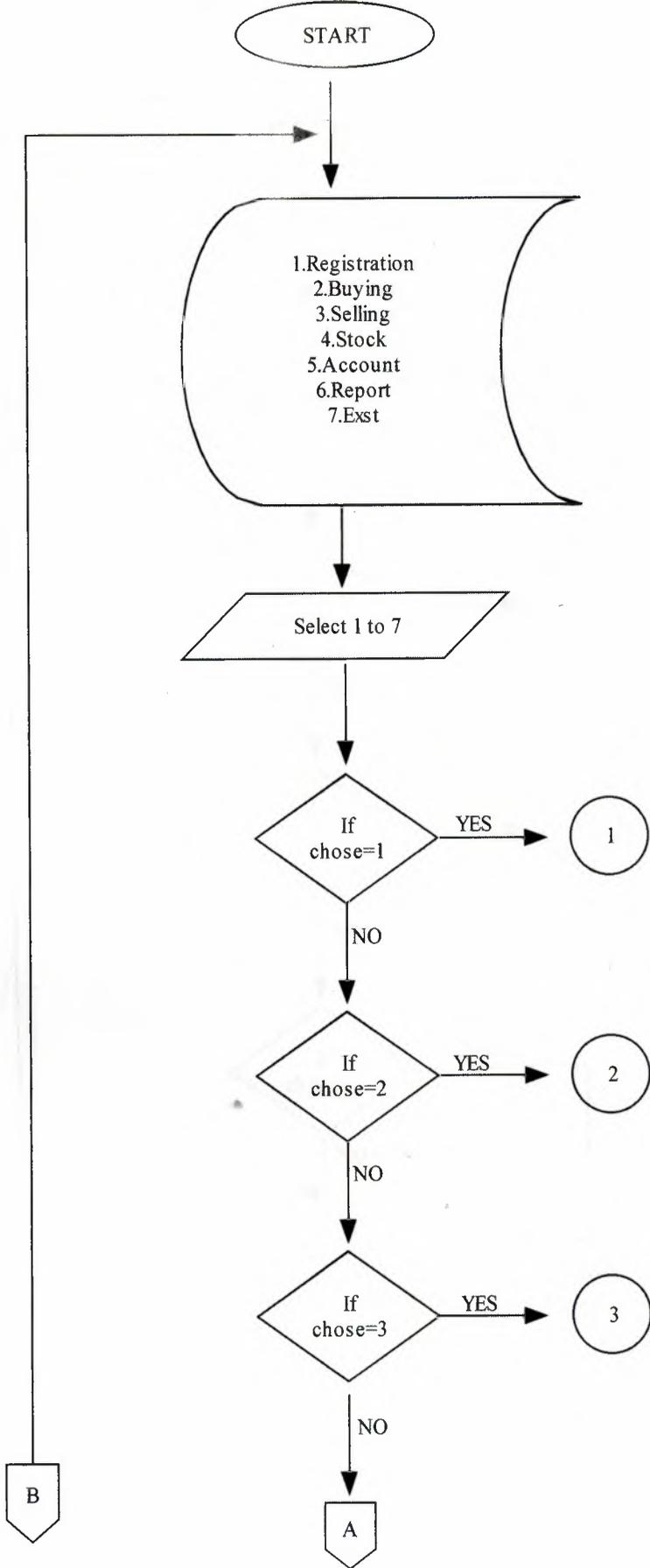
In this figure we have the supplier ID and he/she has amount due 500\$ but the supplier paid 250\$, so left in supplier's credit 250\$, these data saved in our data base.

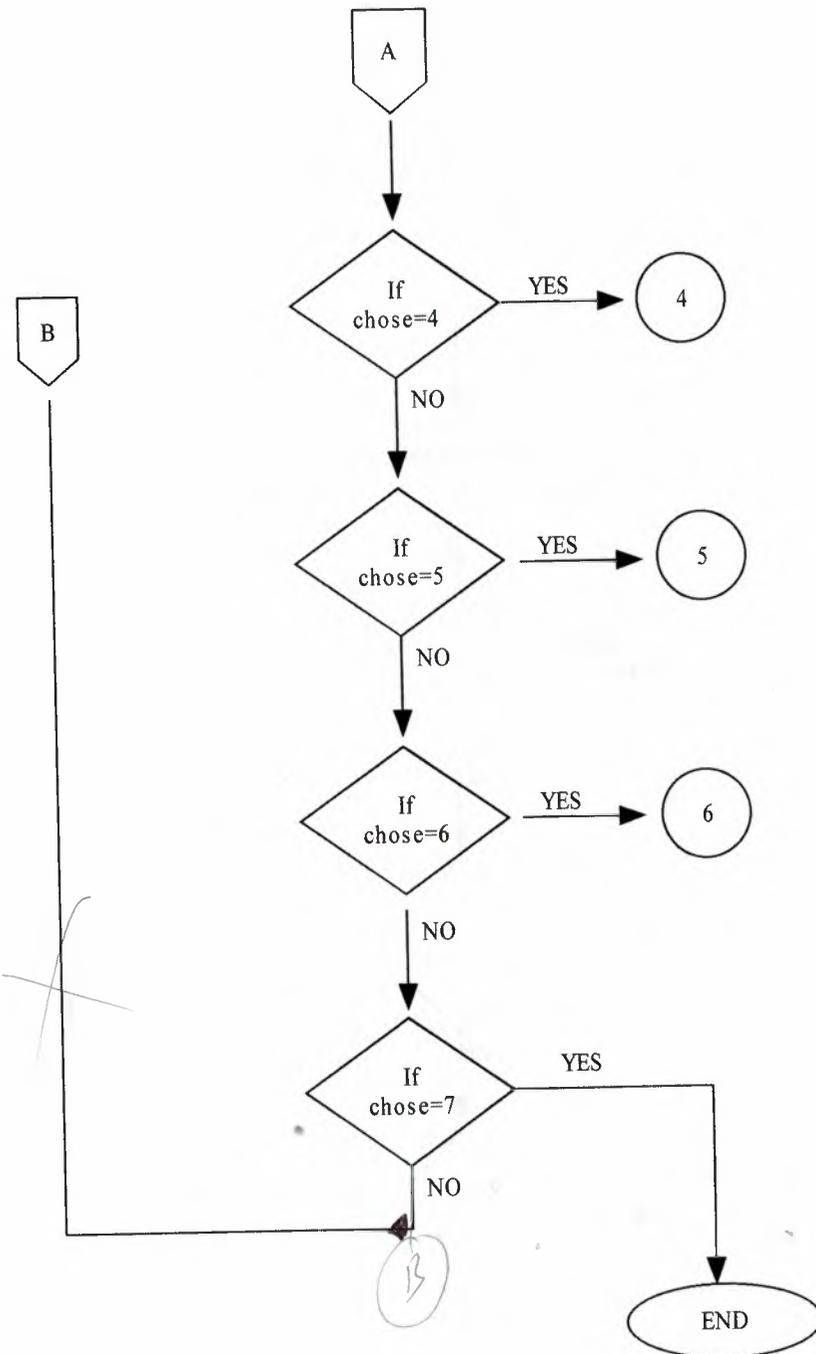
Customer ID:	03
Amount Due :	775 \$
Paid :	200 \$
Credit :	575
Payment Date :	19/01/2003

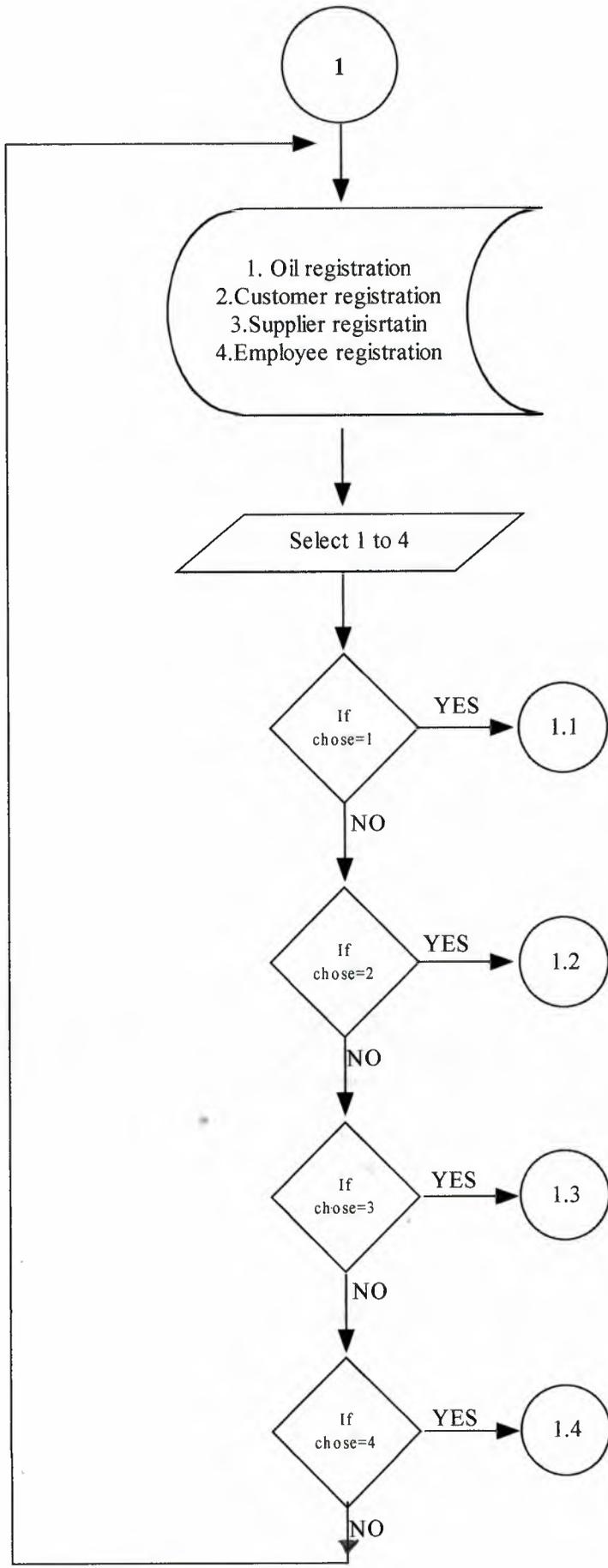
**Figure 5.3: Registering selling payment**

And for other submenus such View buying account it display all the purchasing operations in detail, as same for View selling account it display all the selling operations also in detail.

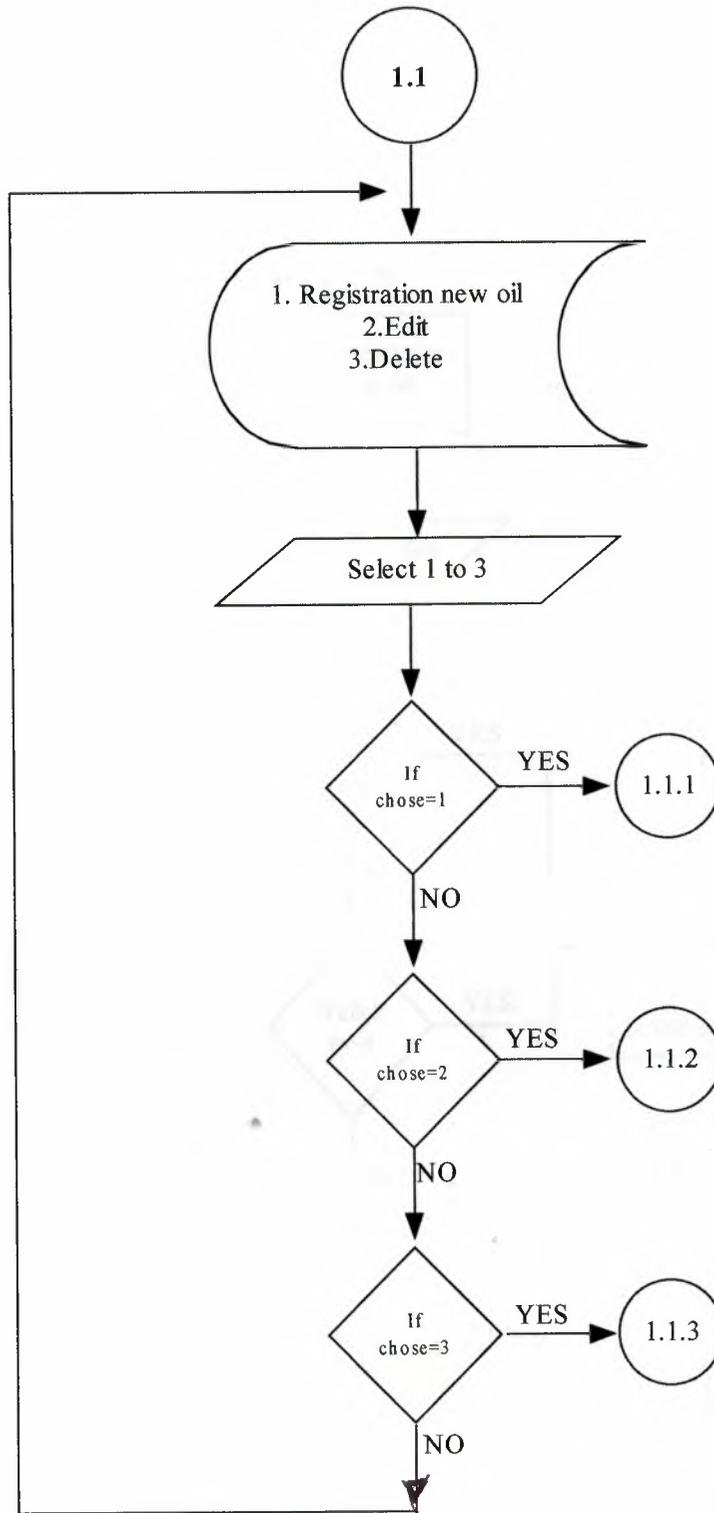
**MAIN MENU FLOWCHARTS**



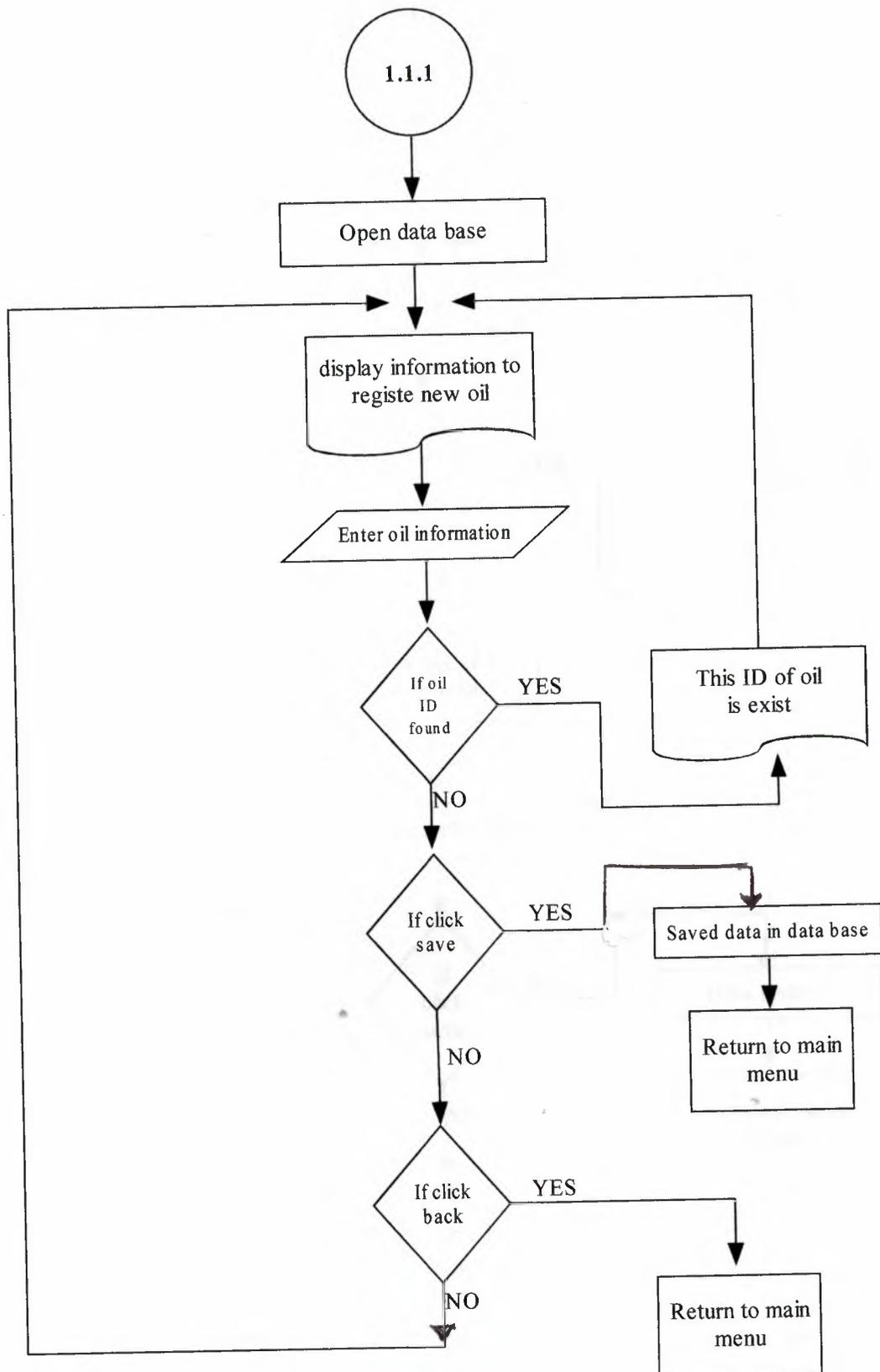




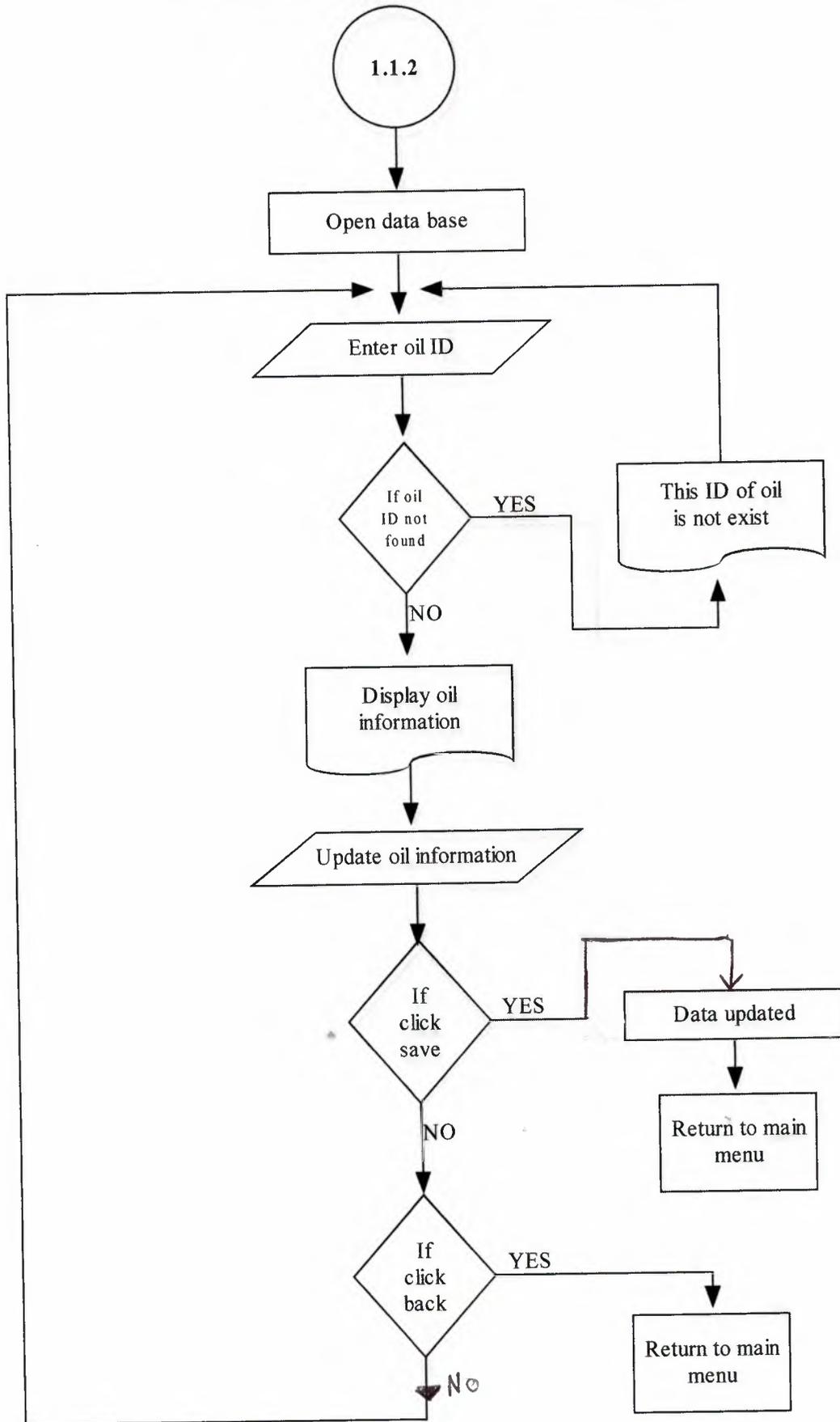
# FLOWCHART FOR REGISTER OIL



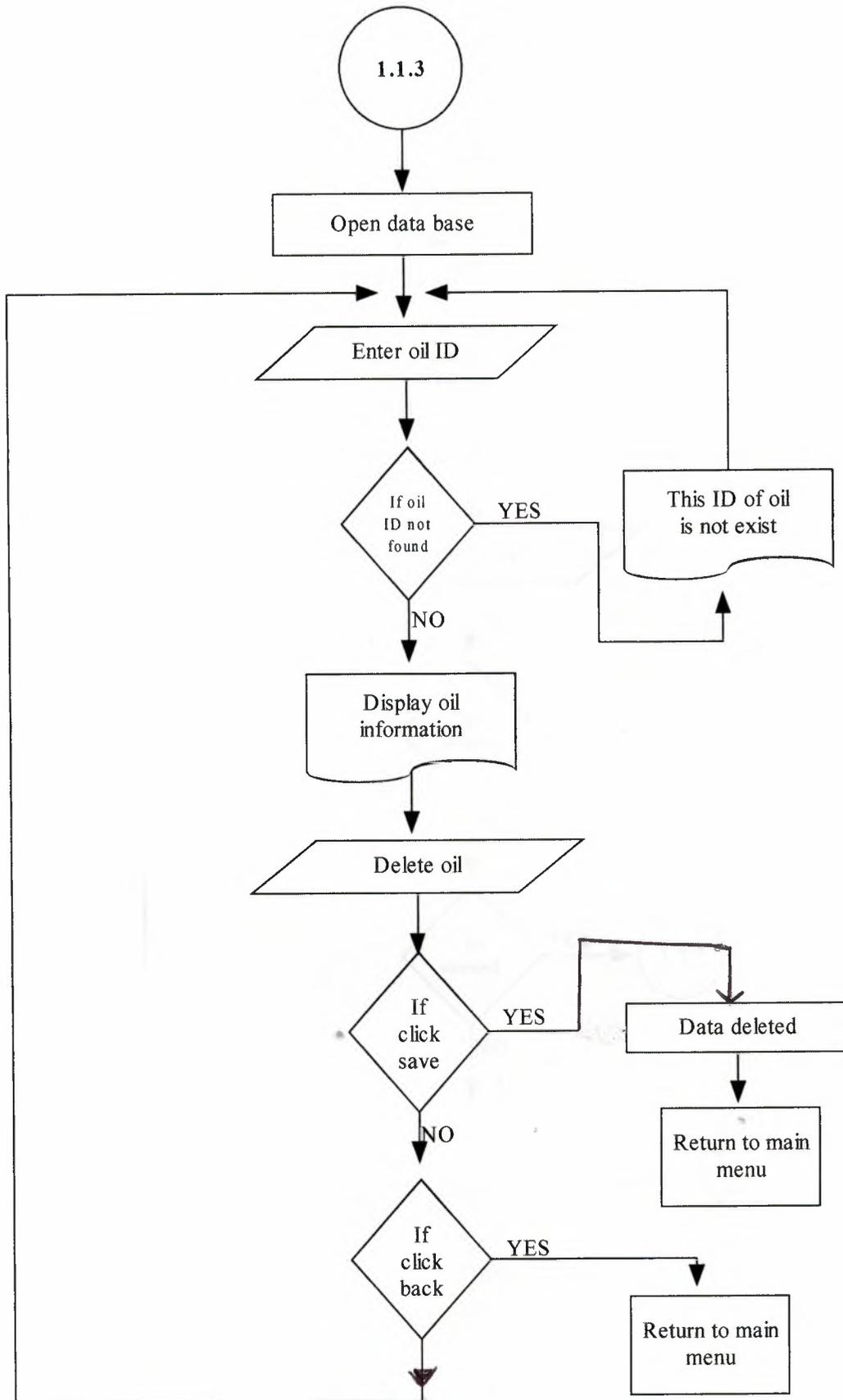
# FLOWCHART FOR REGISTRATING NEW OIL



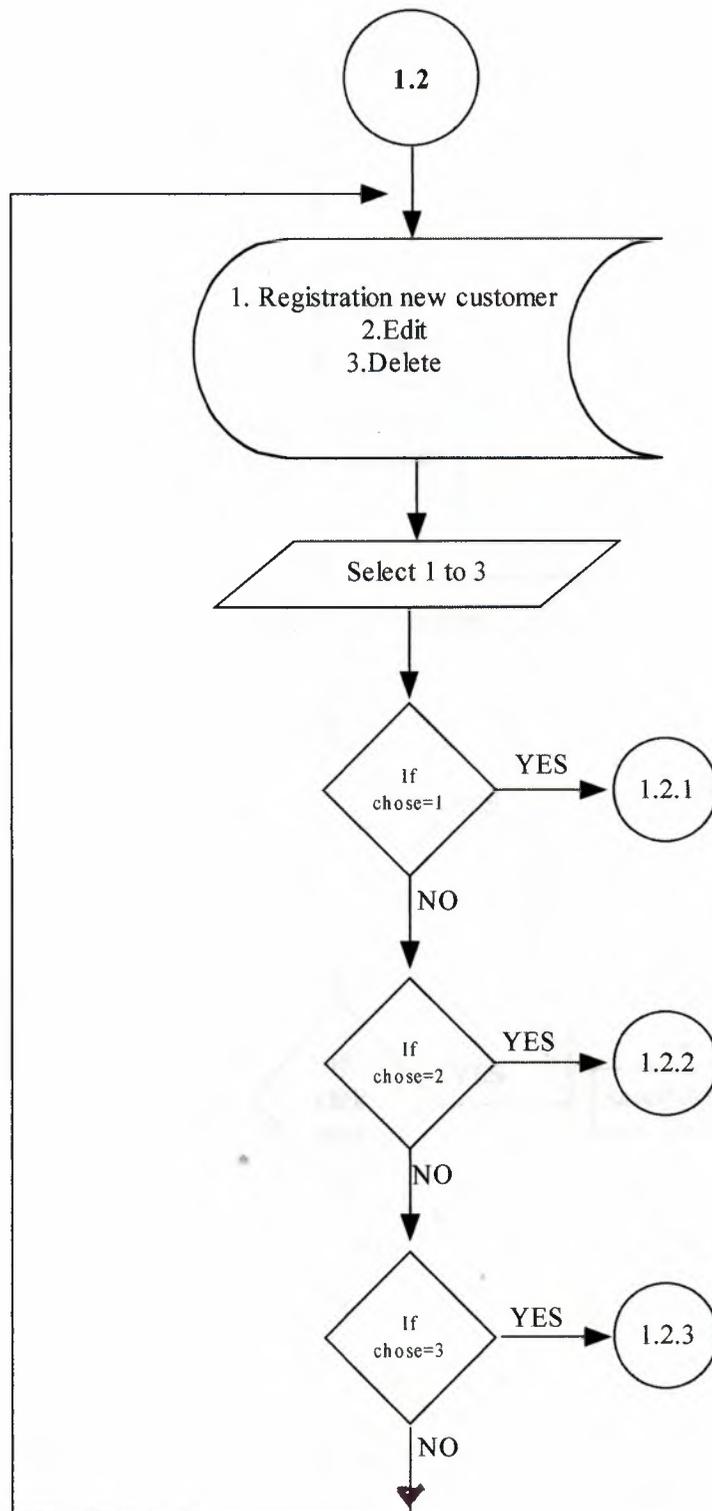
# FLOWCHART FOR EDIT OIL INFORMATION



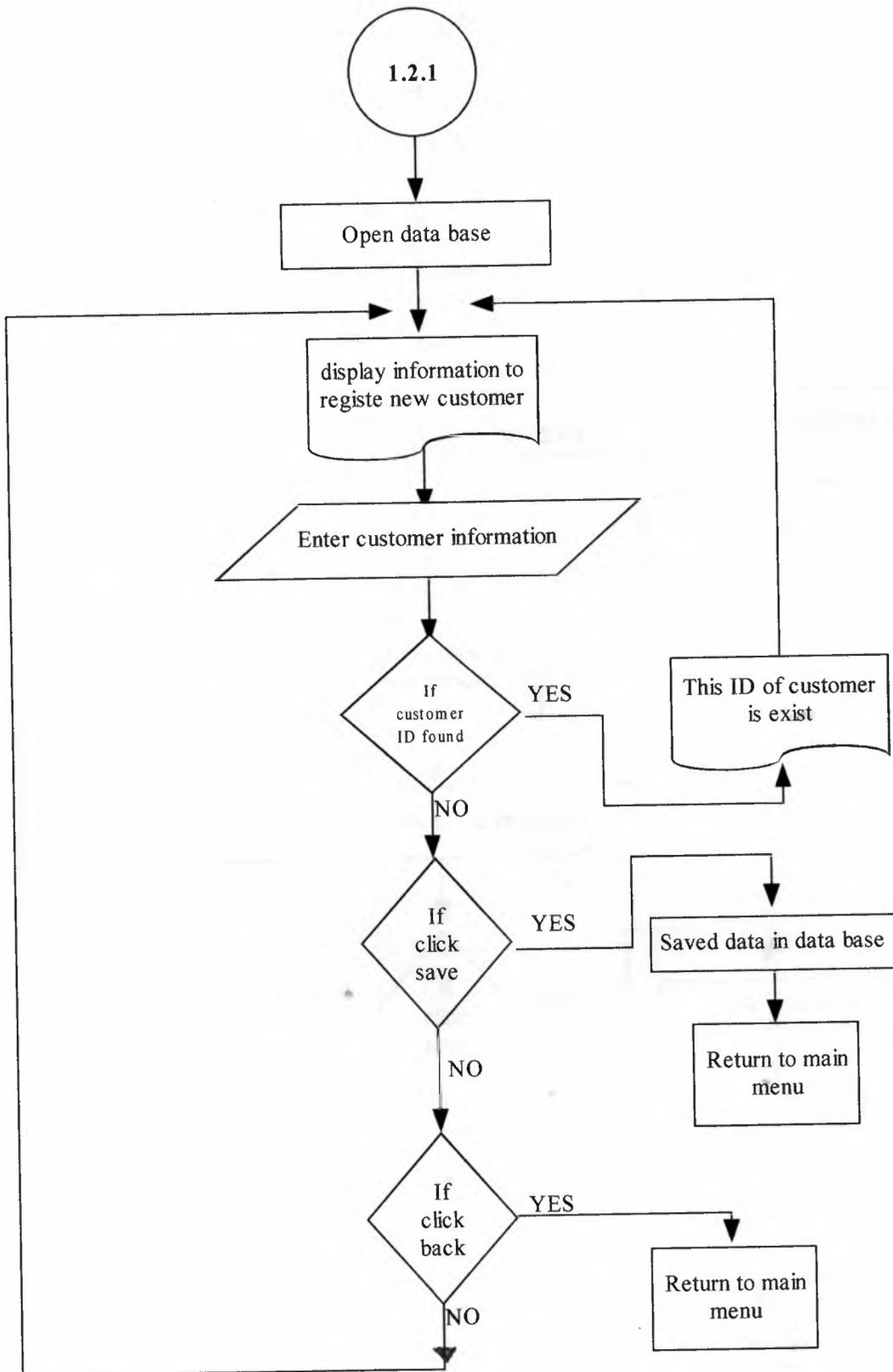
# FLOWCHART FOR DELETE OIL



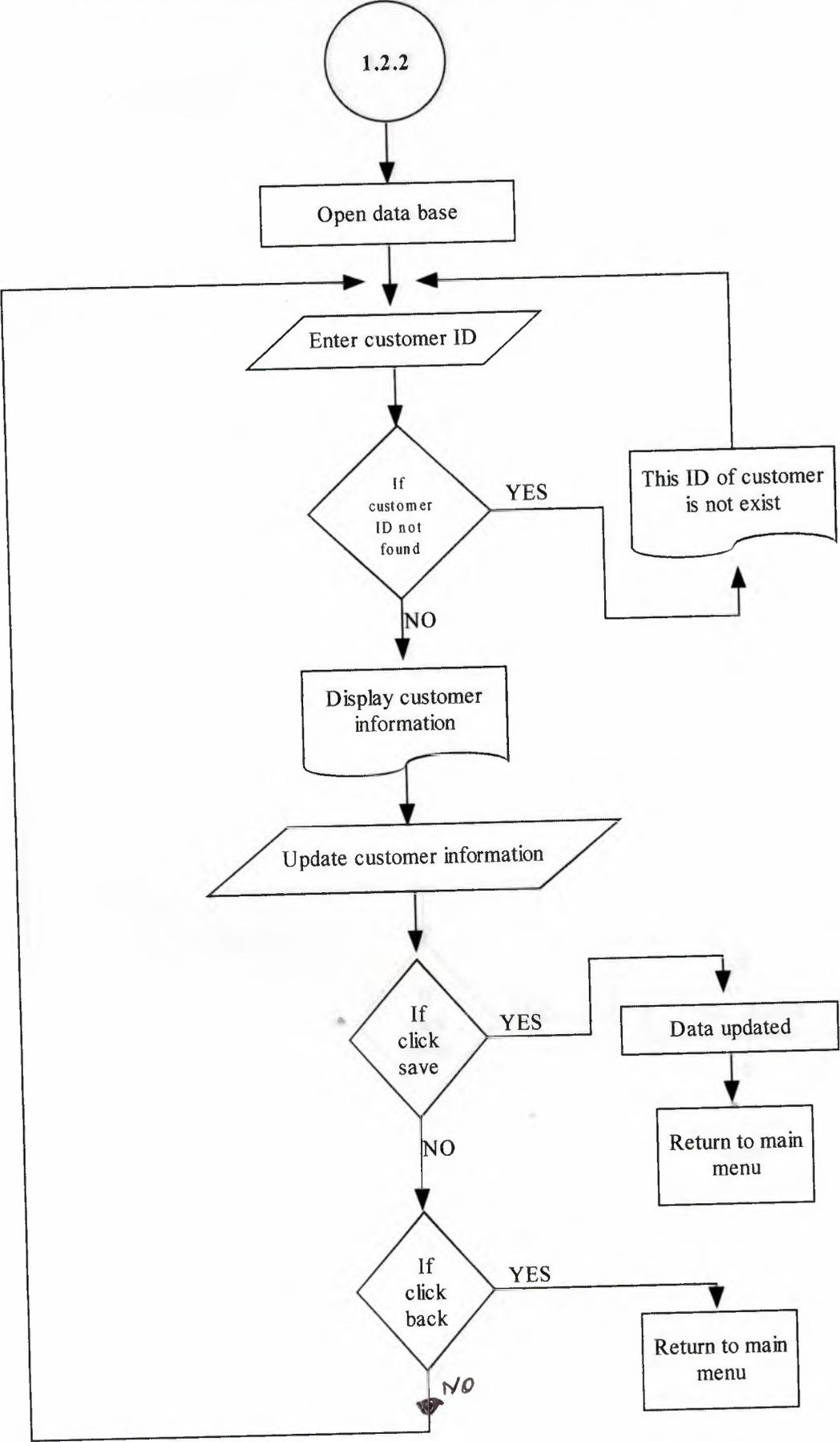
# FLOWCHART FOR CUSTOMER REGISTRATION



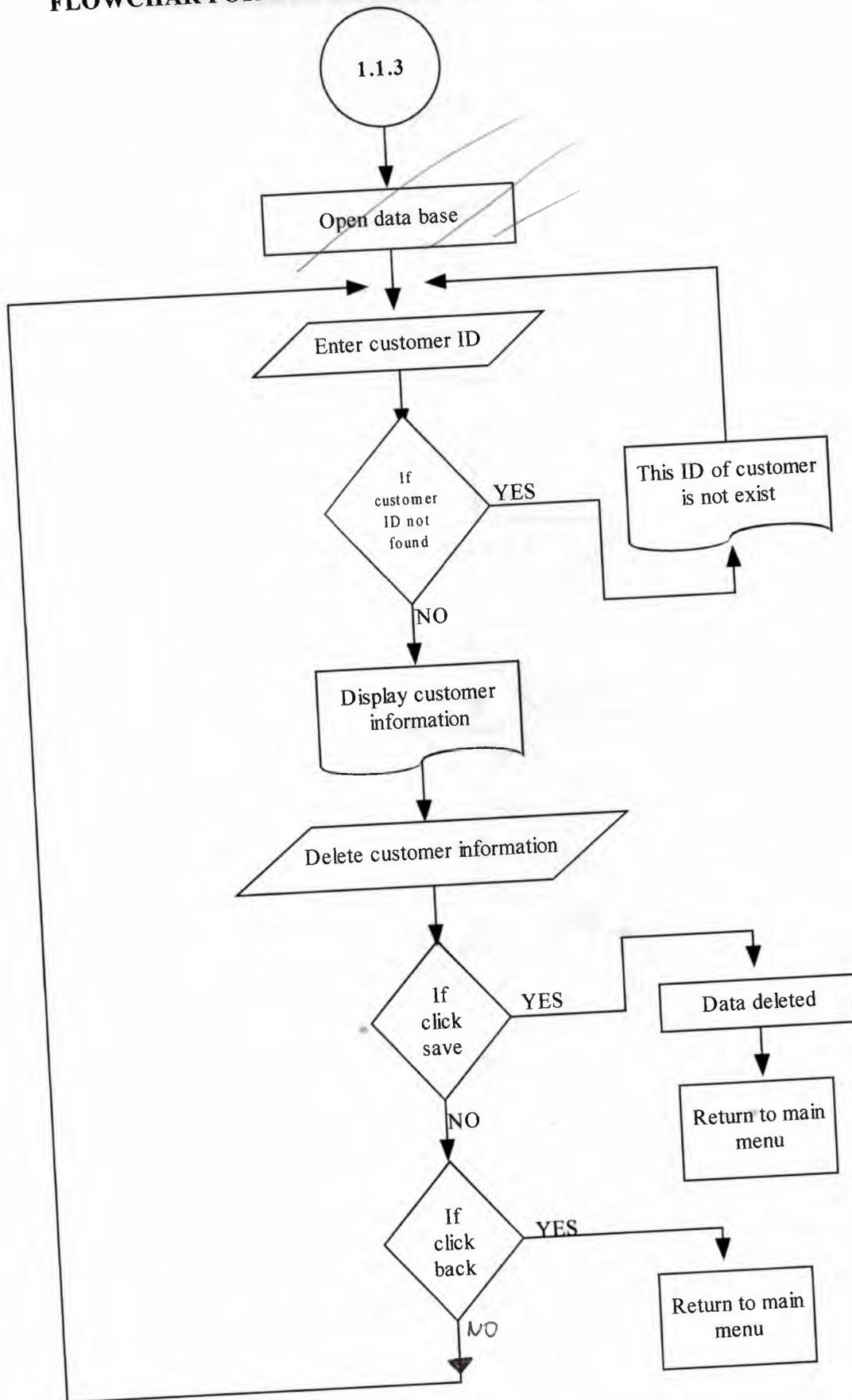
# FLOWCHART FOR REGISTERING NEW CUSTOMER



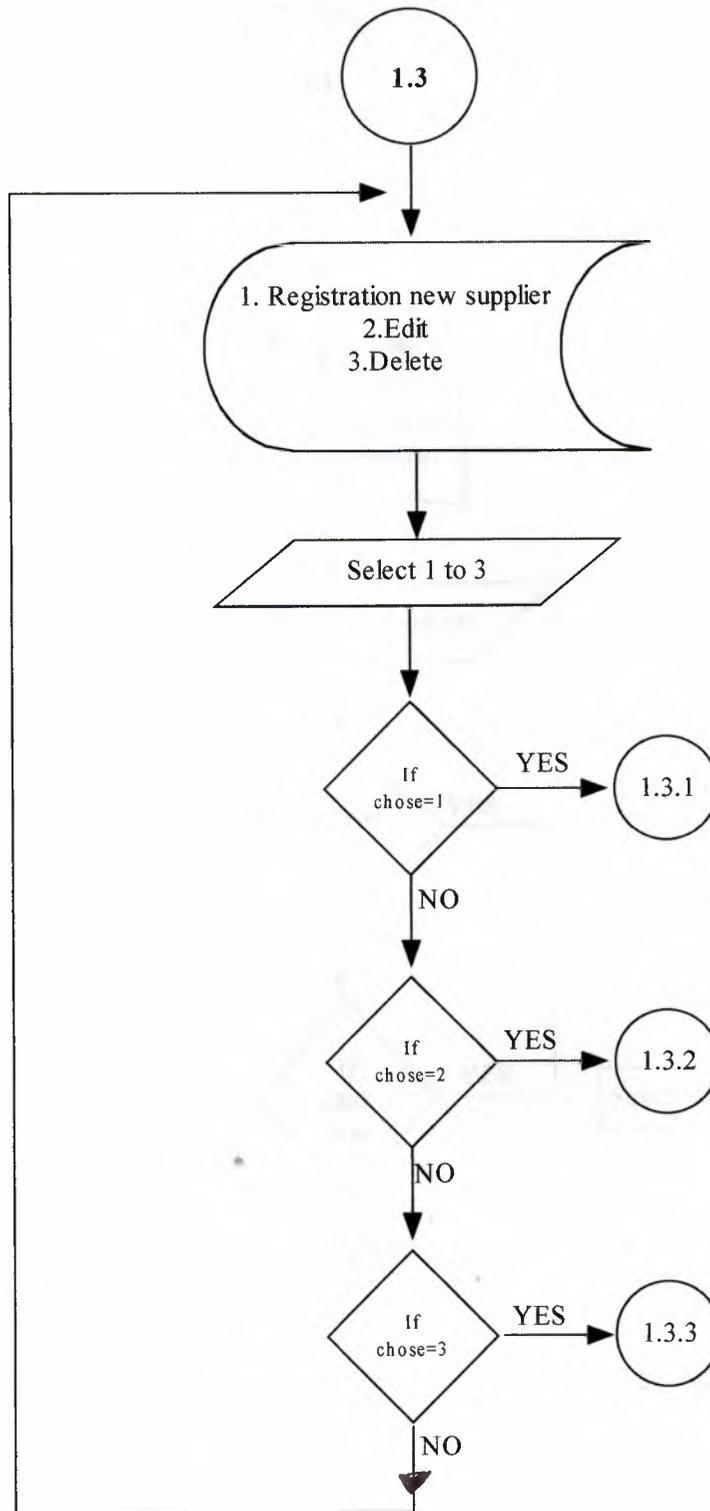
# FLOWCHART FOR EDITING CUSTOMER INFORMATION



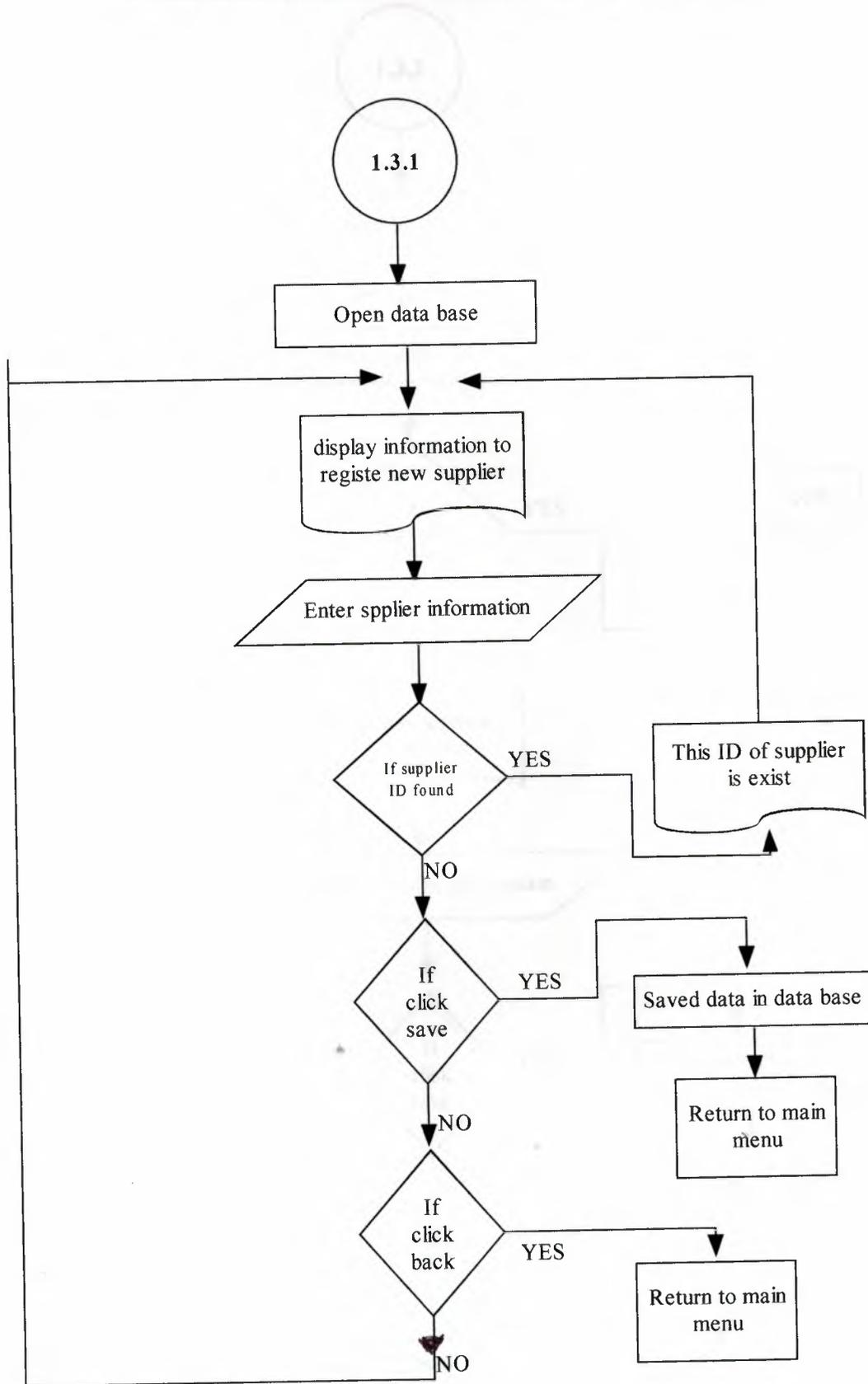
# FLOWCHAR FOR DELETING CUSTOMER INFORMATION



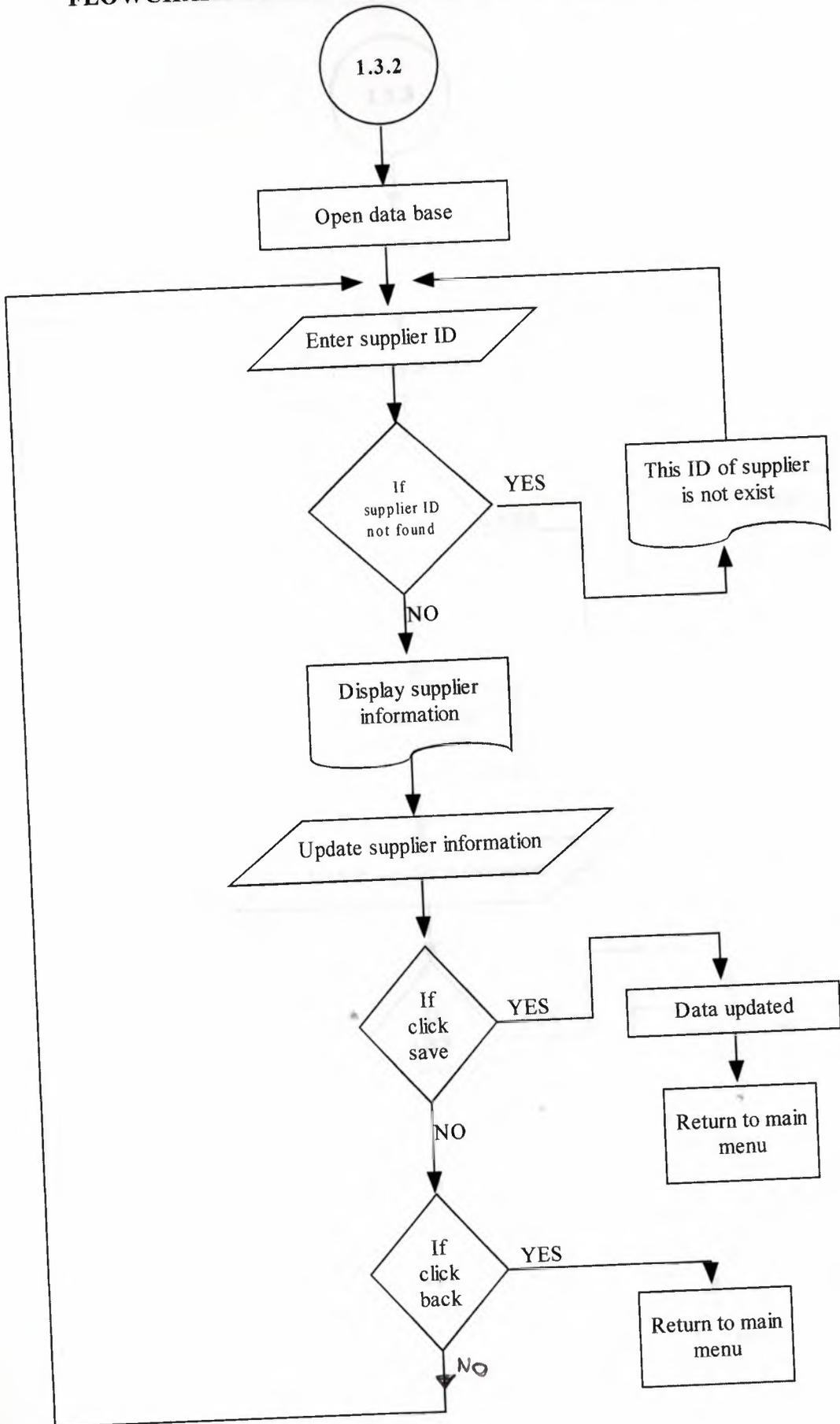
# FLOWCHART FOR REGISTRATION SUPPLIER



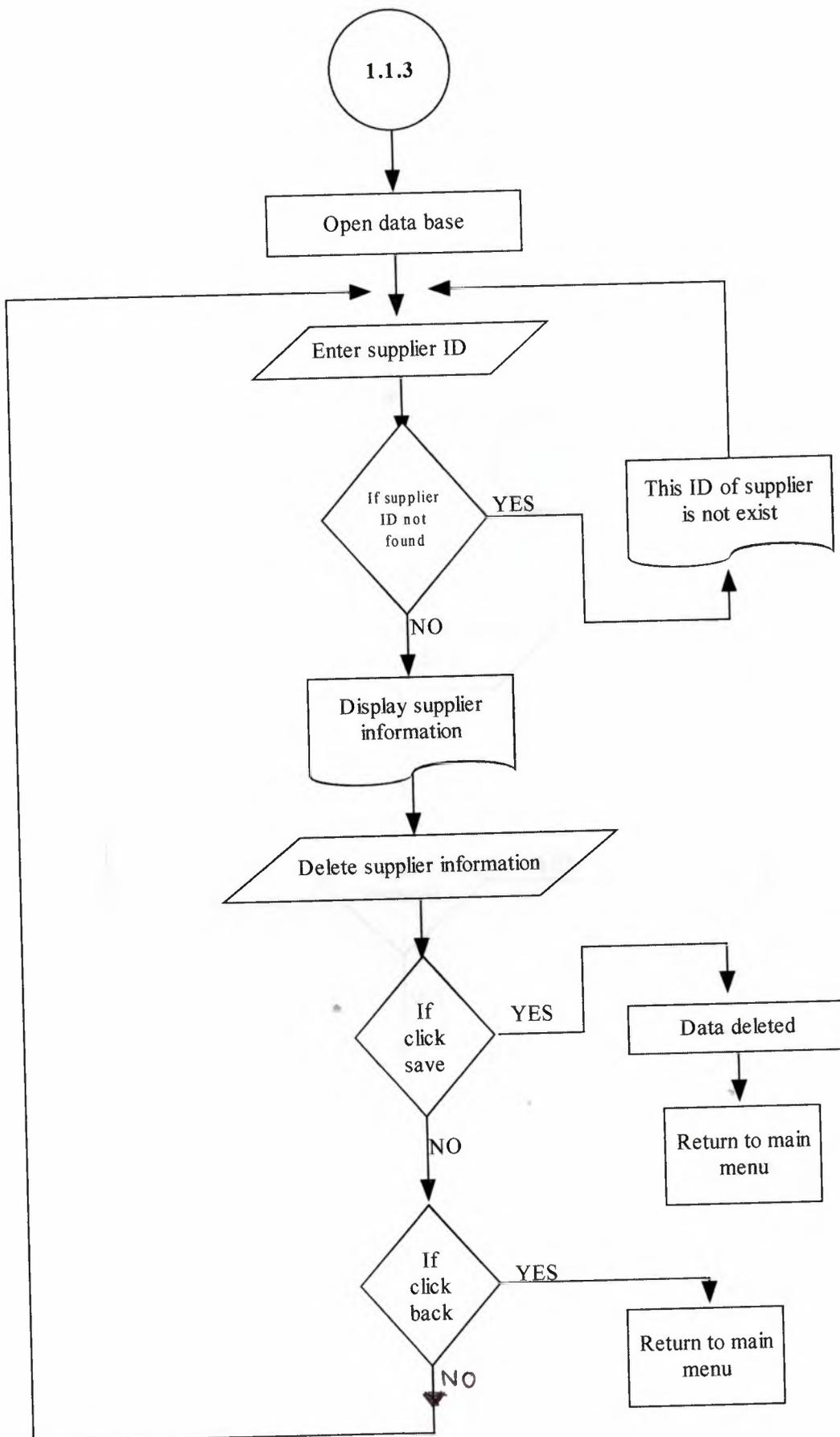
# FLOWCHART FOR REGISTERING NEW SUPPLIER



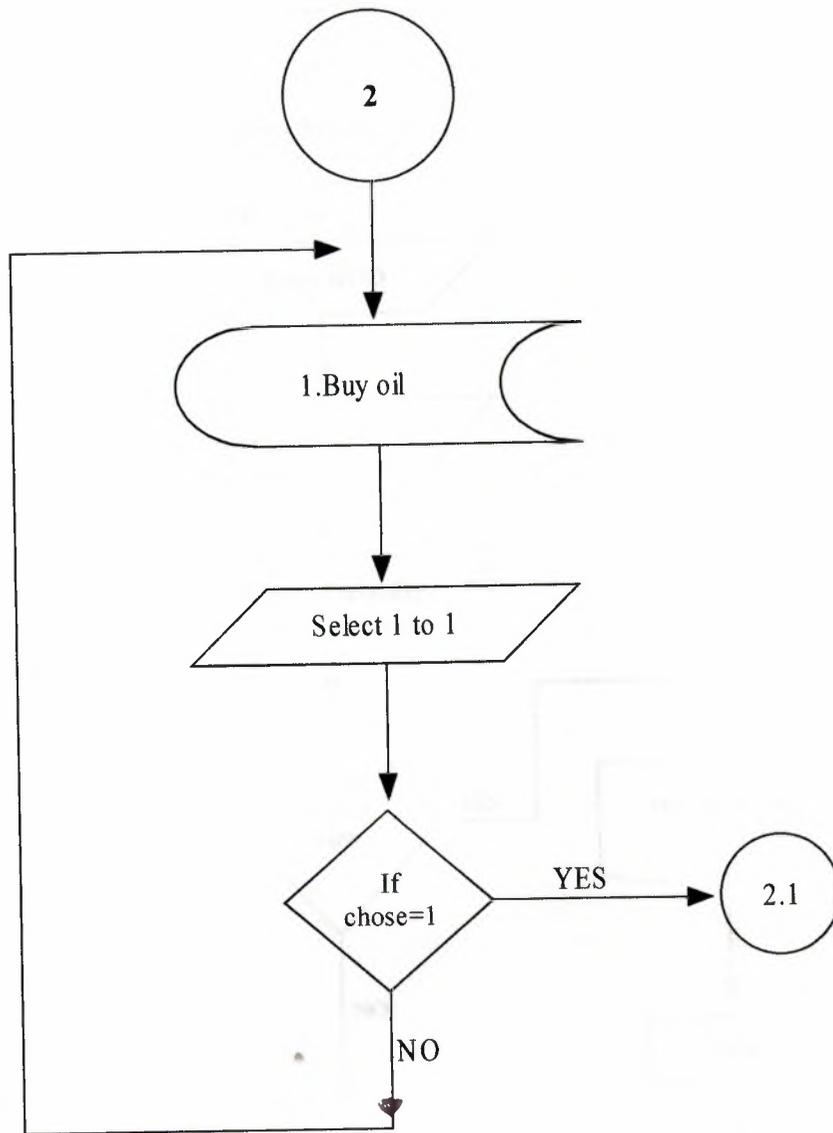
# FLOWCHART FOR EDITING SUPPLIER INFORMATION



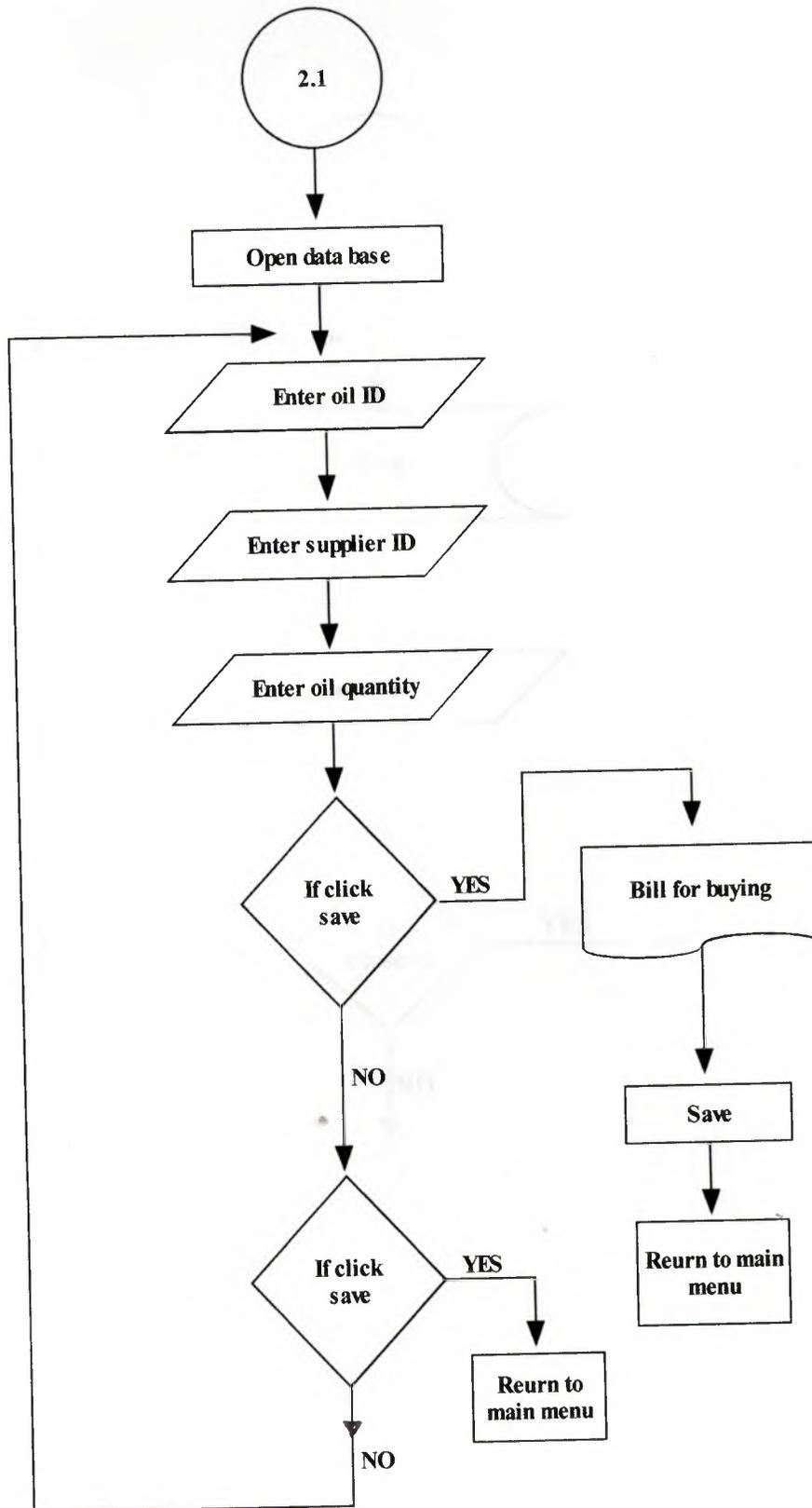
# FLOWCHART FOR DELETING SULLIER INFORMATION



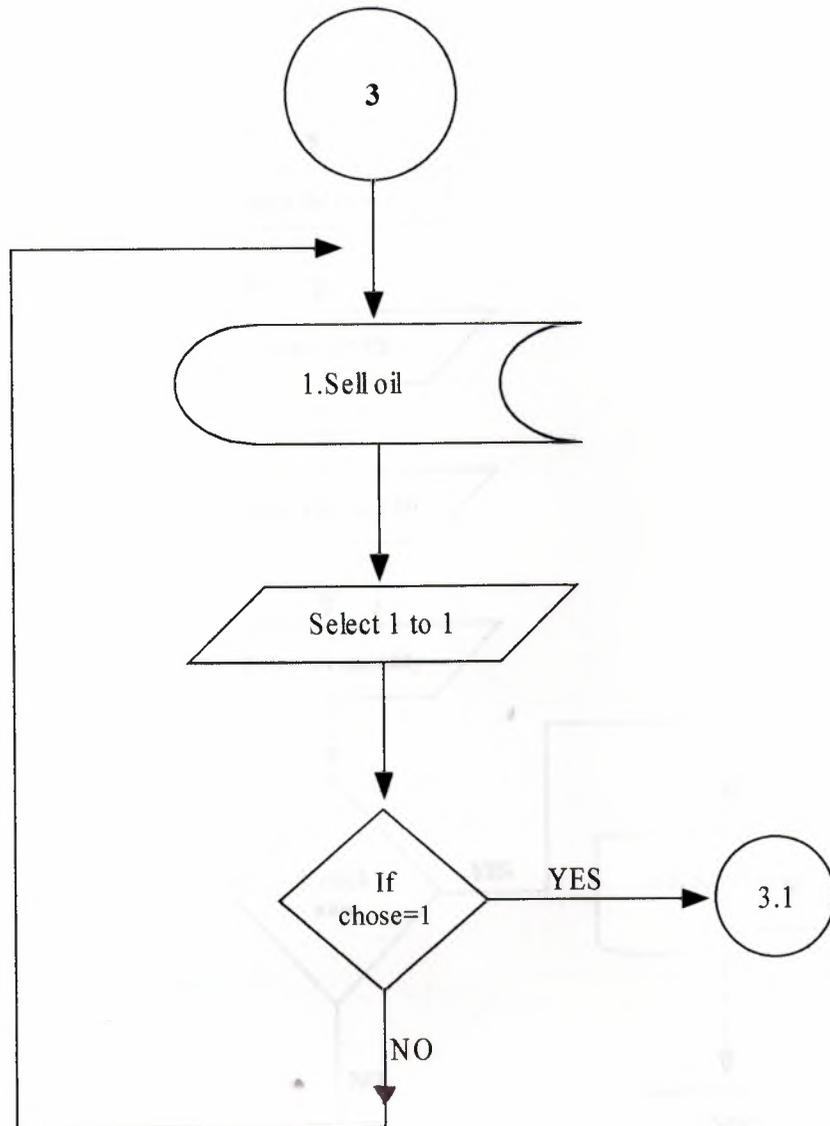
# FLOWCHART FOR BUYING OIL



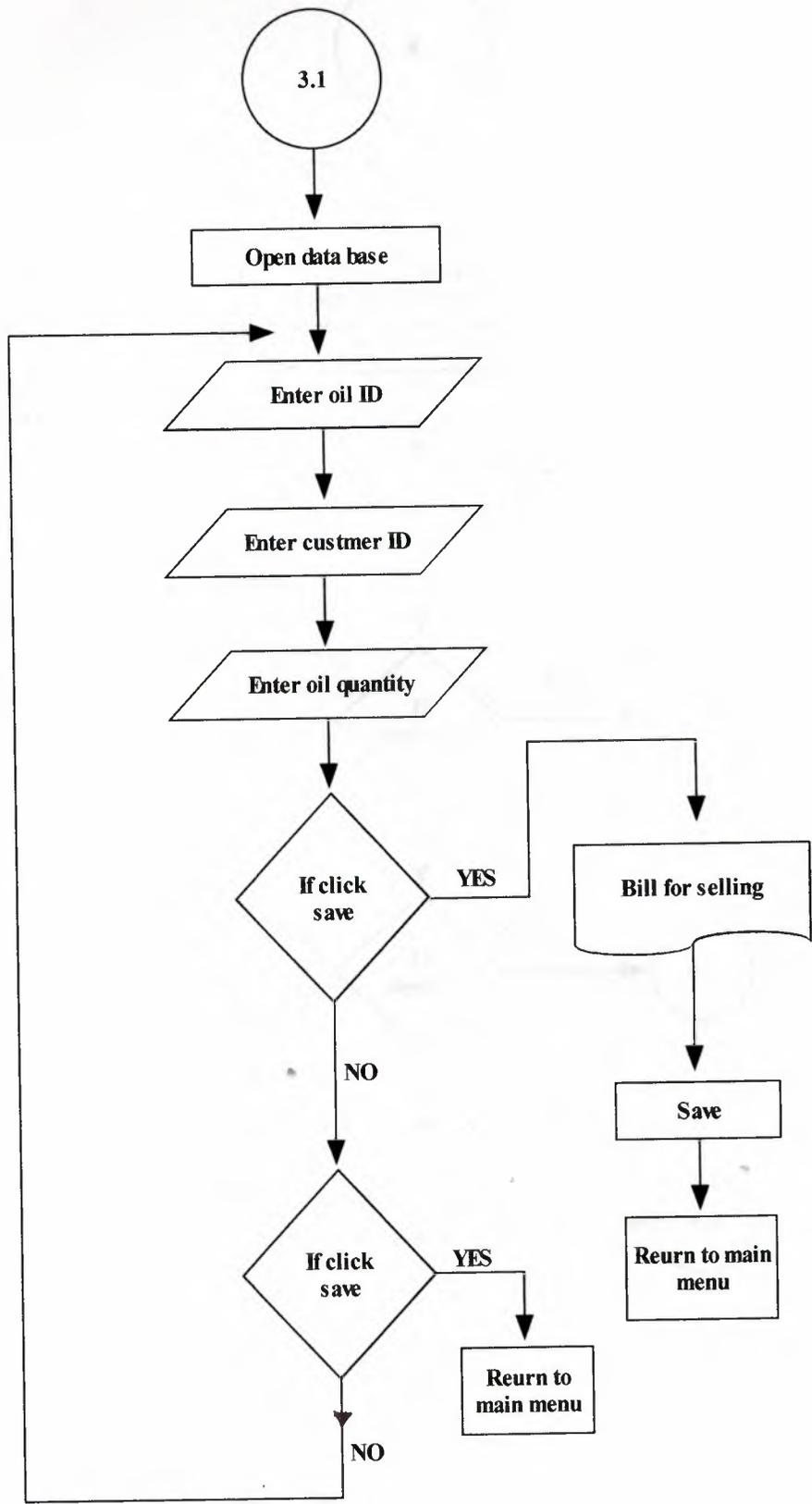
## FLOWCHART FOR BUYING PROCESS



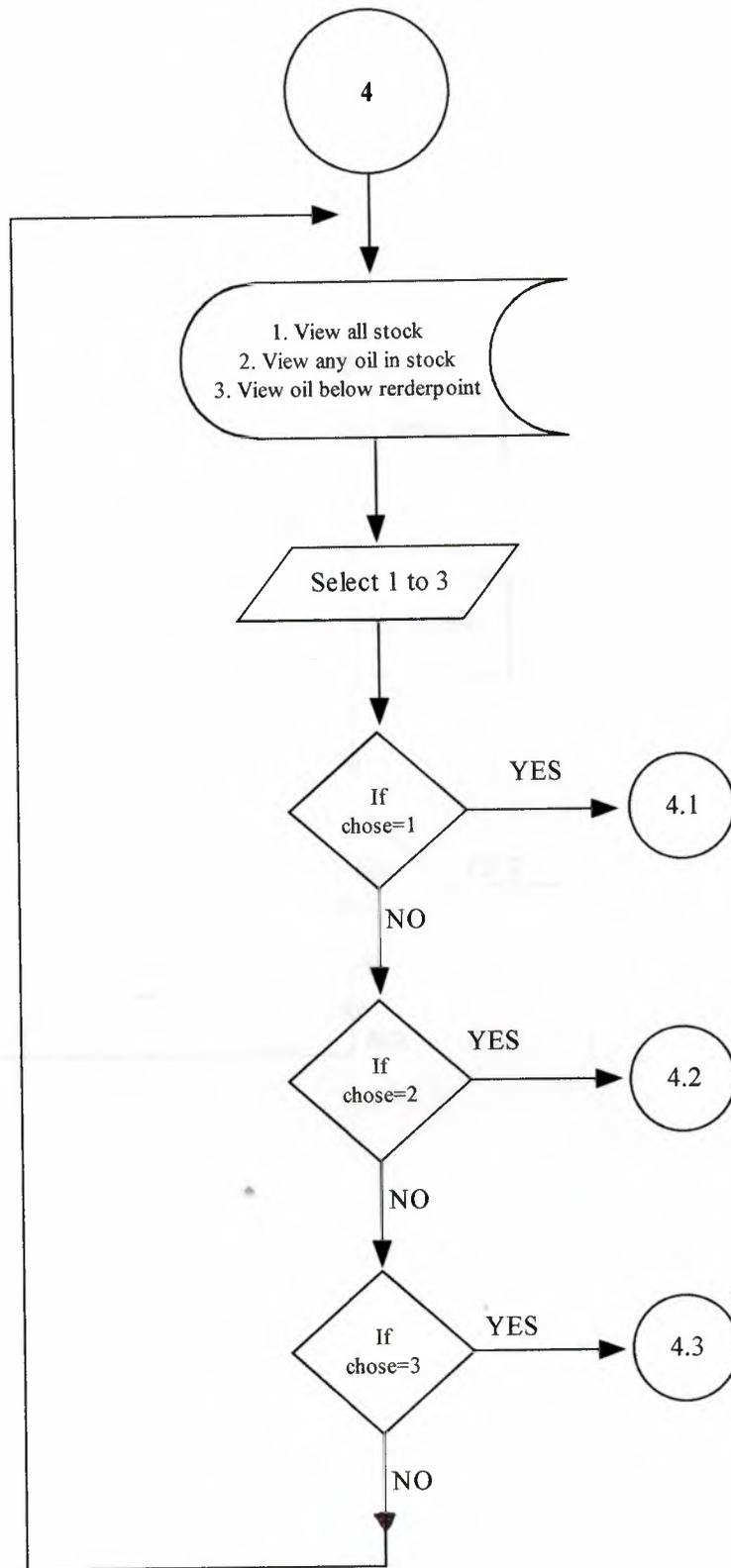
# FLOWCHART FOR SELLING OIL



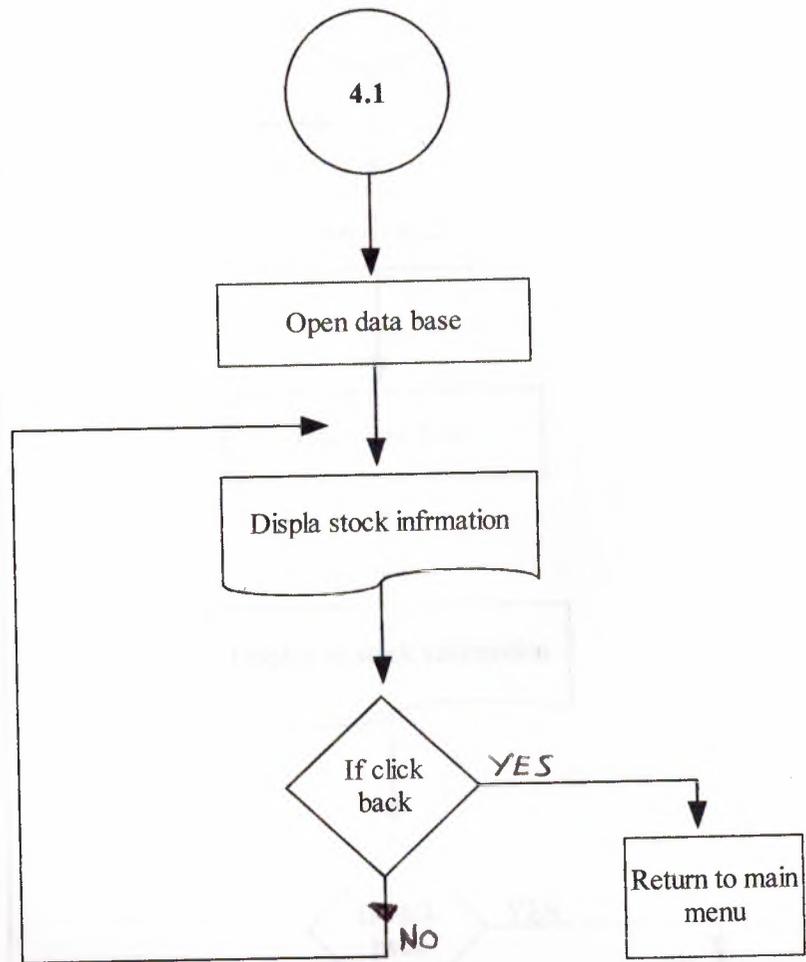
### FLOWCHART FOR SELLING PROCESS



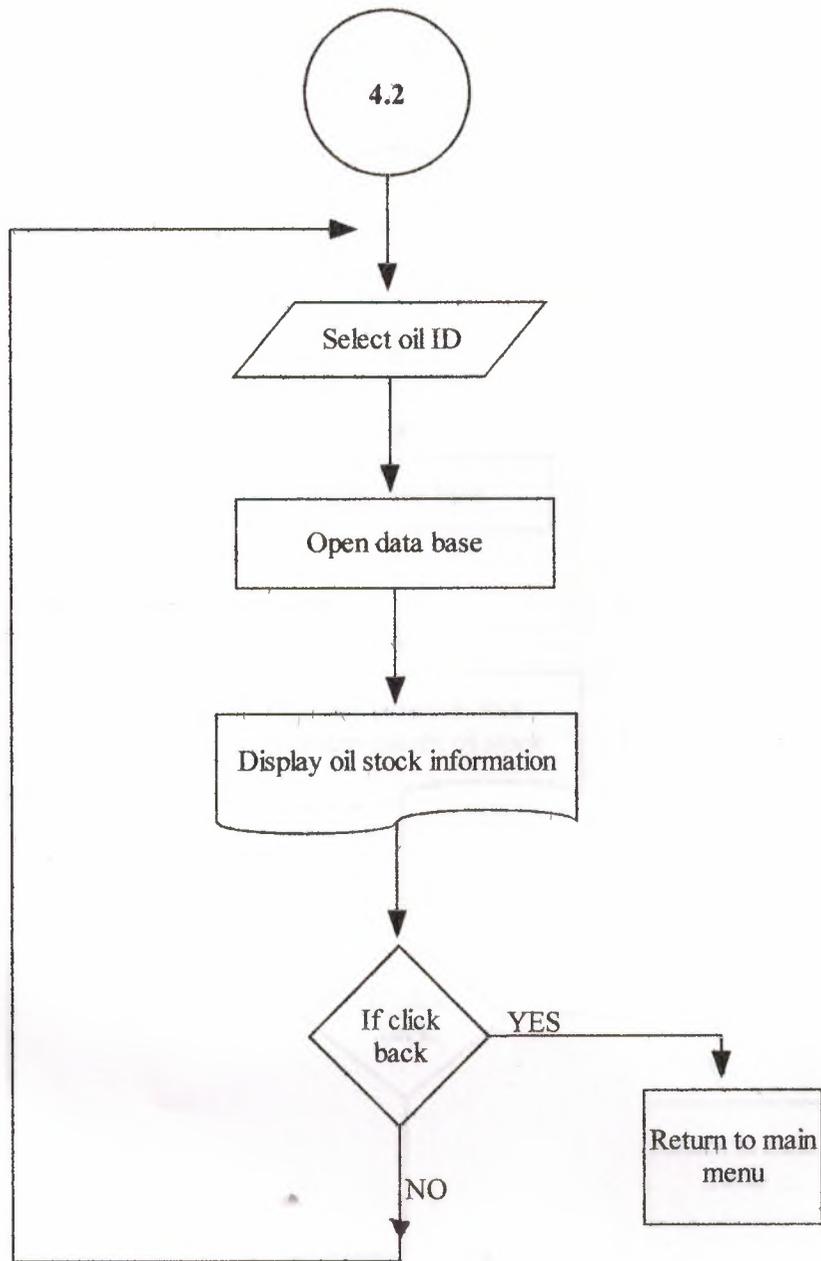
# FLOWCHAERT FOR STOCK PROCESS



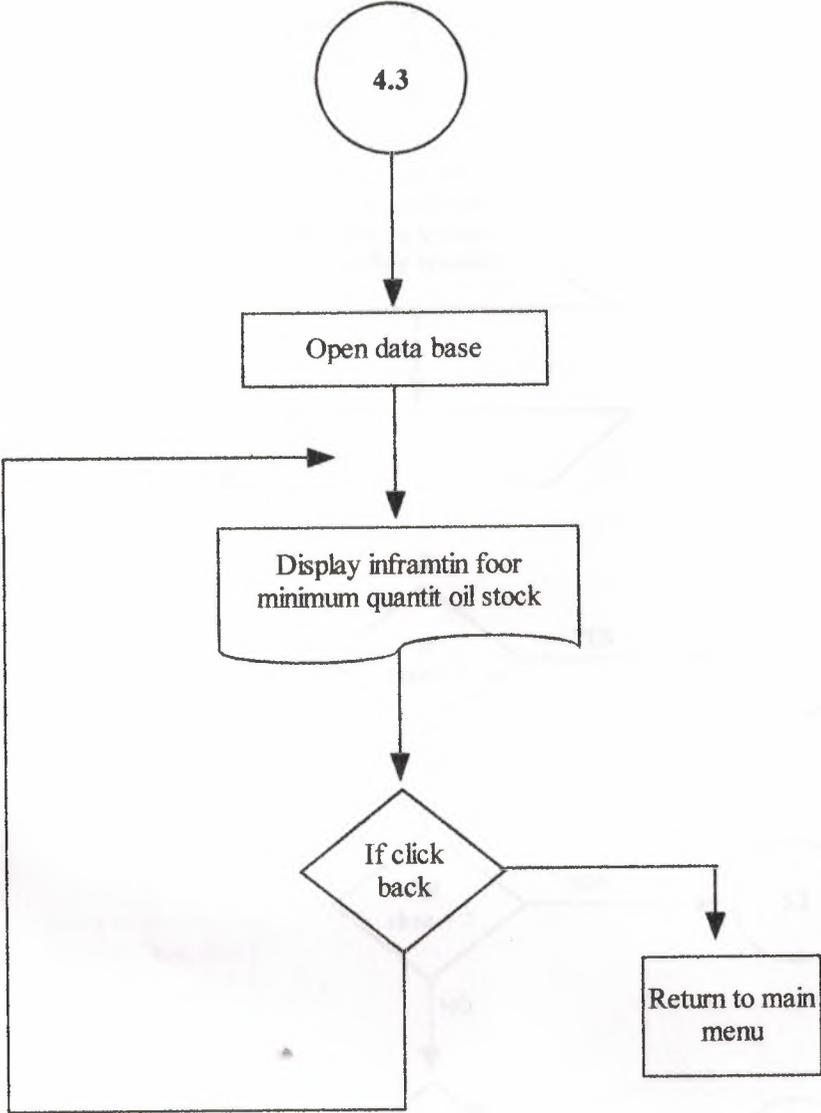
# FLOWCHART TO VIEW ALL STOCK



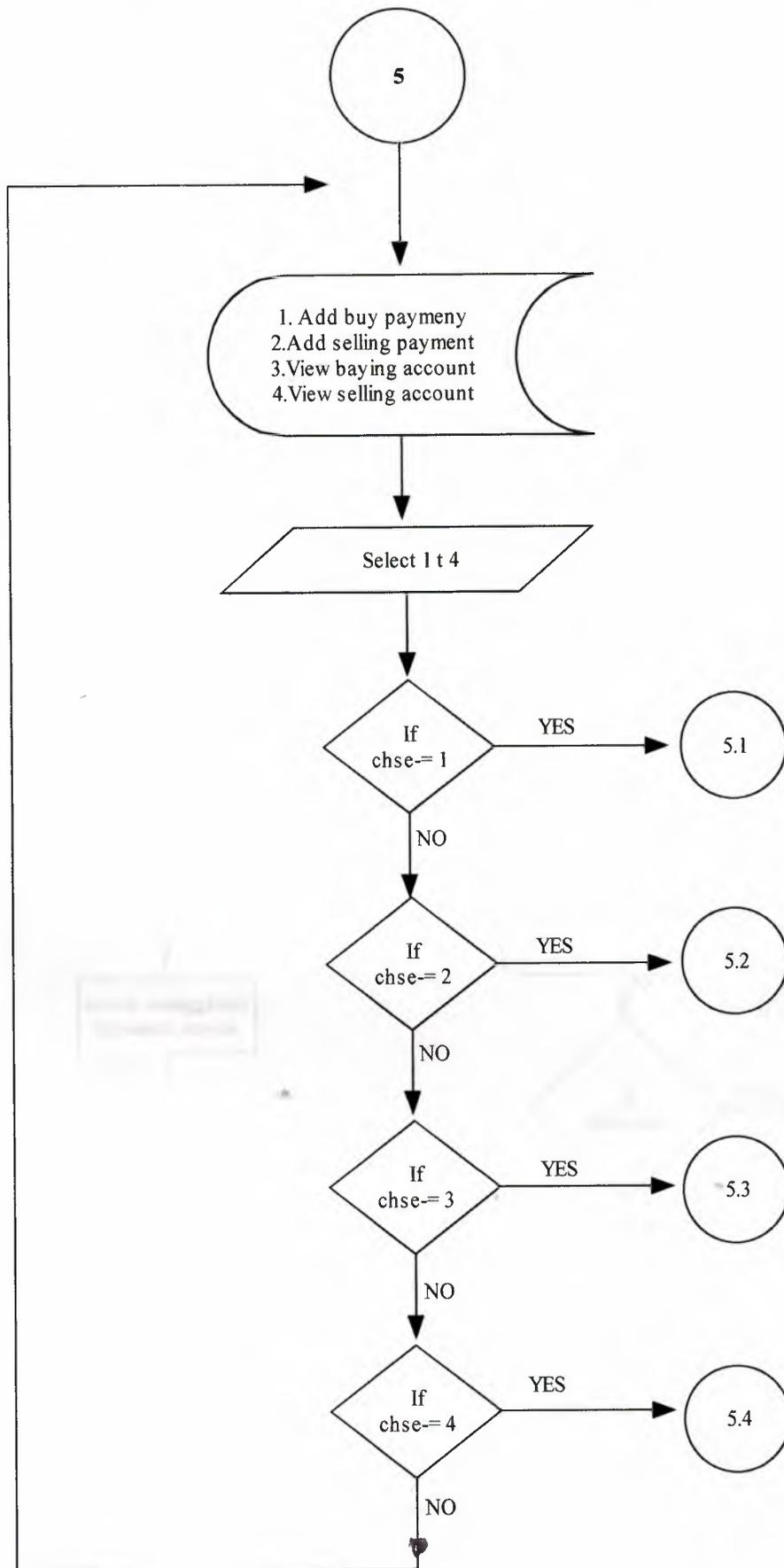
# FLOWCHART TO VIEW SPECIFIC OIL



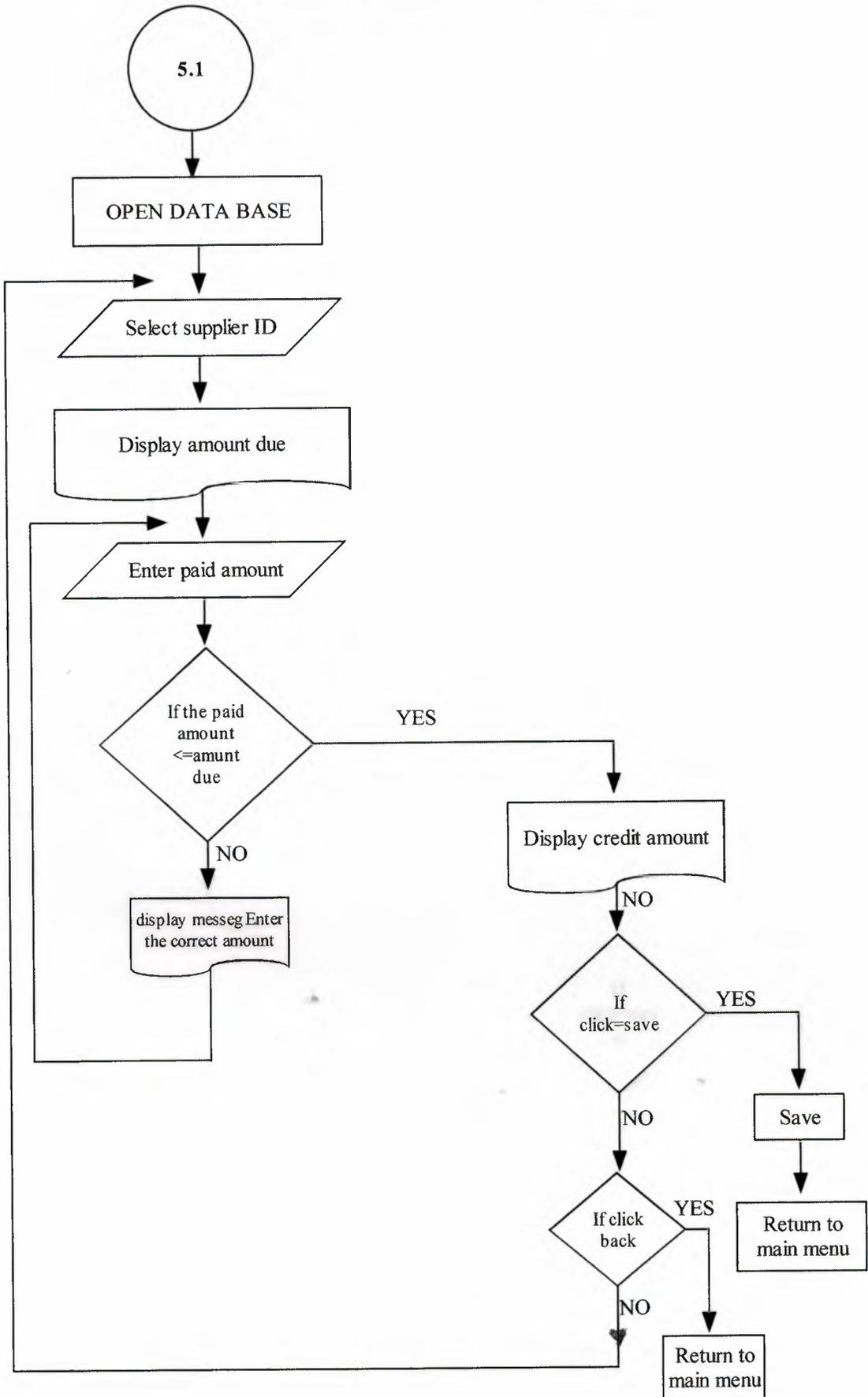
**FLOWCHART TO VIEW ALL STOCK IN REORDER POINT**



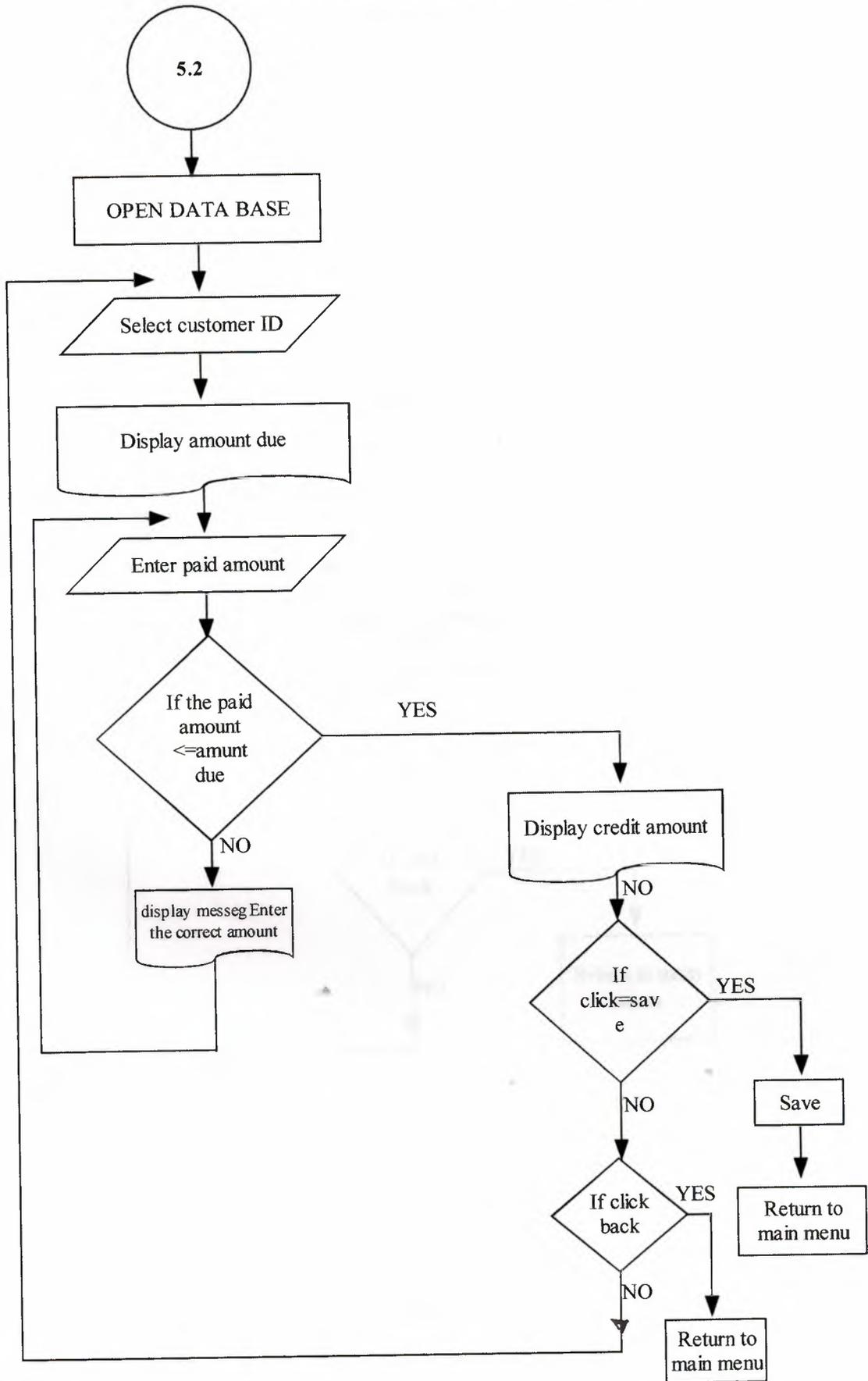
# FLOWCHART FOR ACCOUNT PROCESS



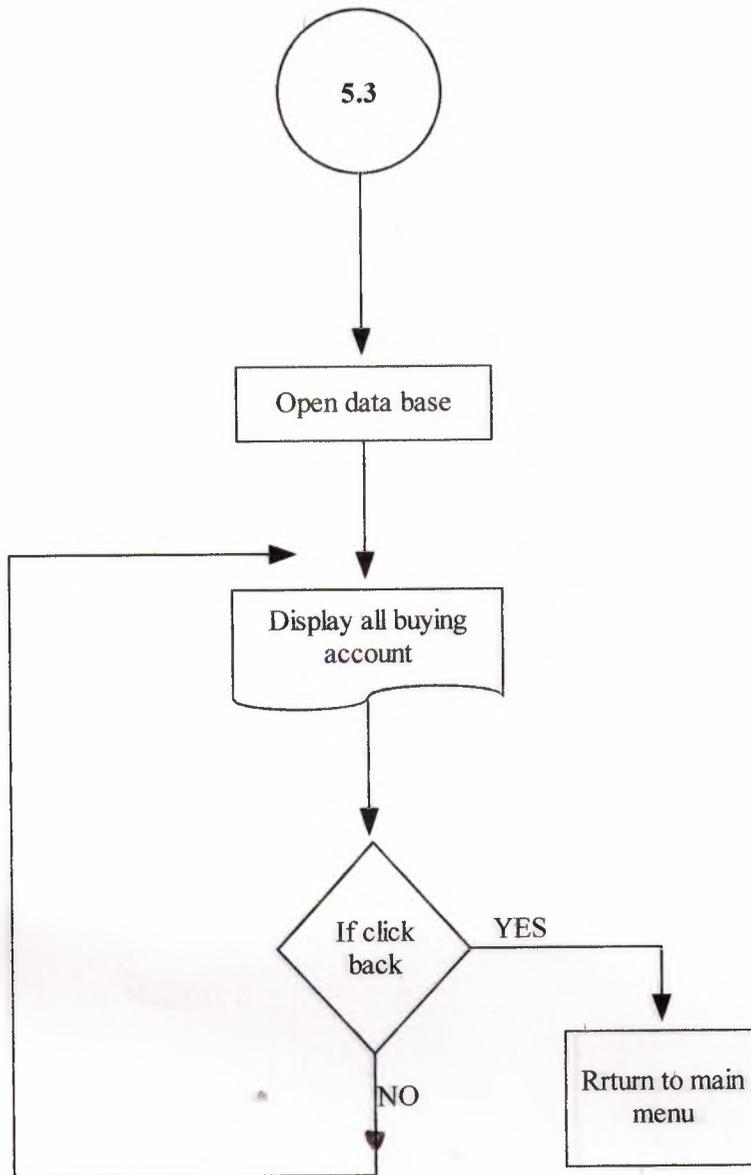
# FLOWCHART FOR ADD BUY PAYMENT



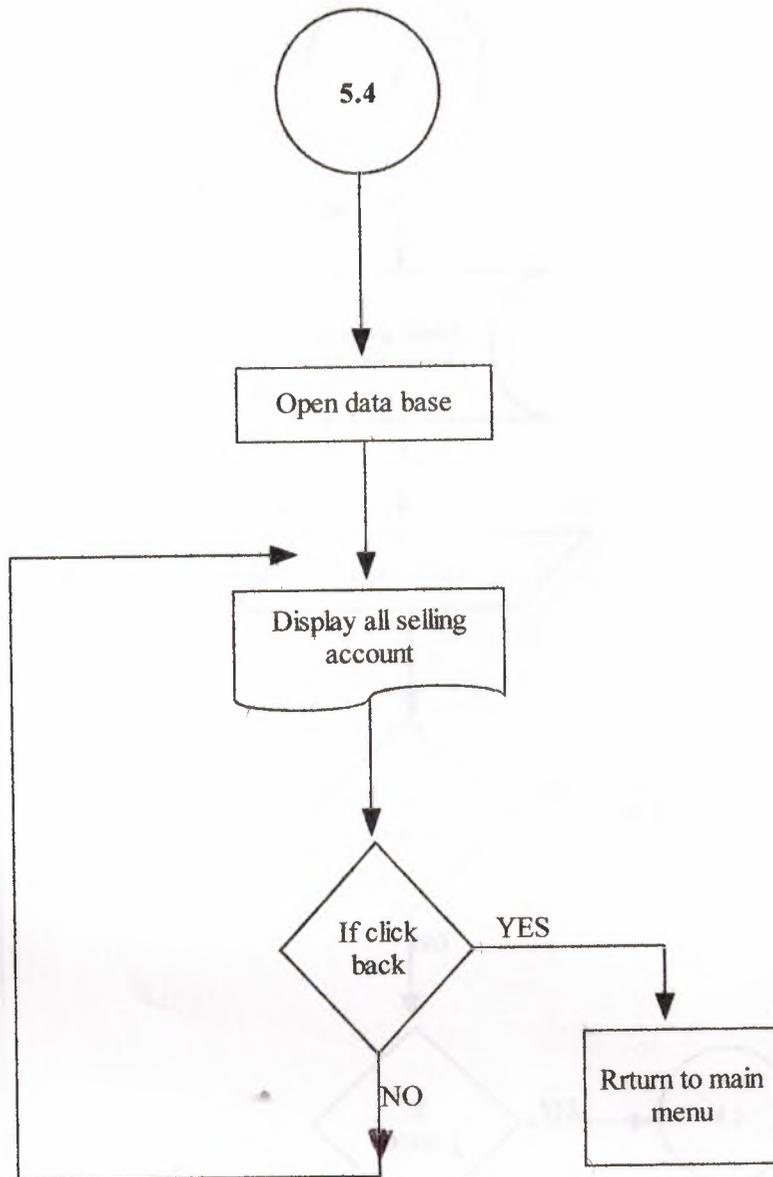
## FLOWCHART FOR ADD SELL PAYMENT



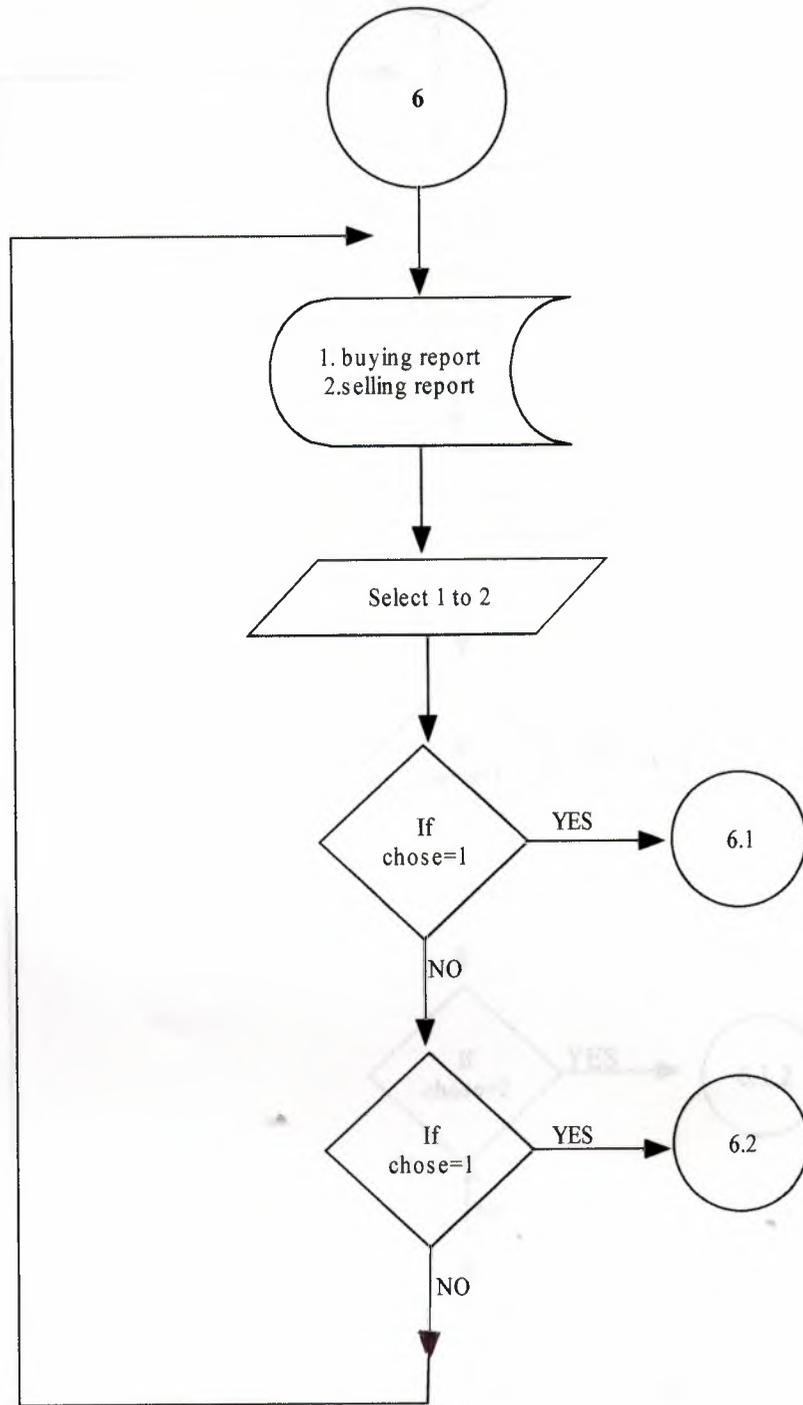
## FLOWCHART TO VIEW BUYING ACCOUNT



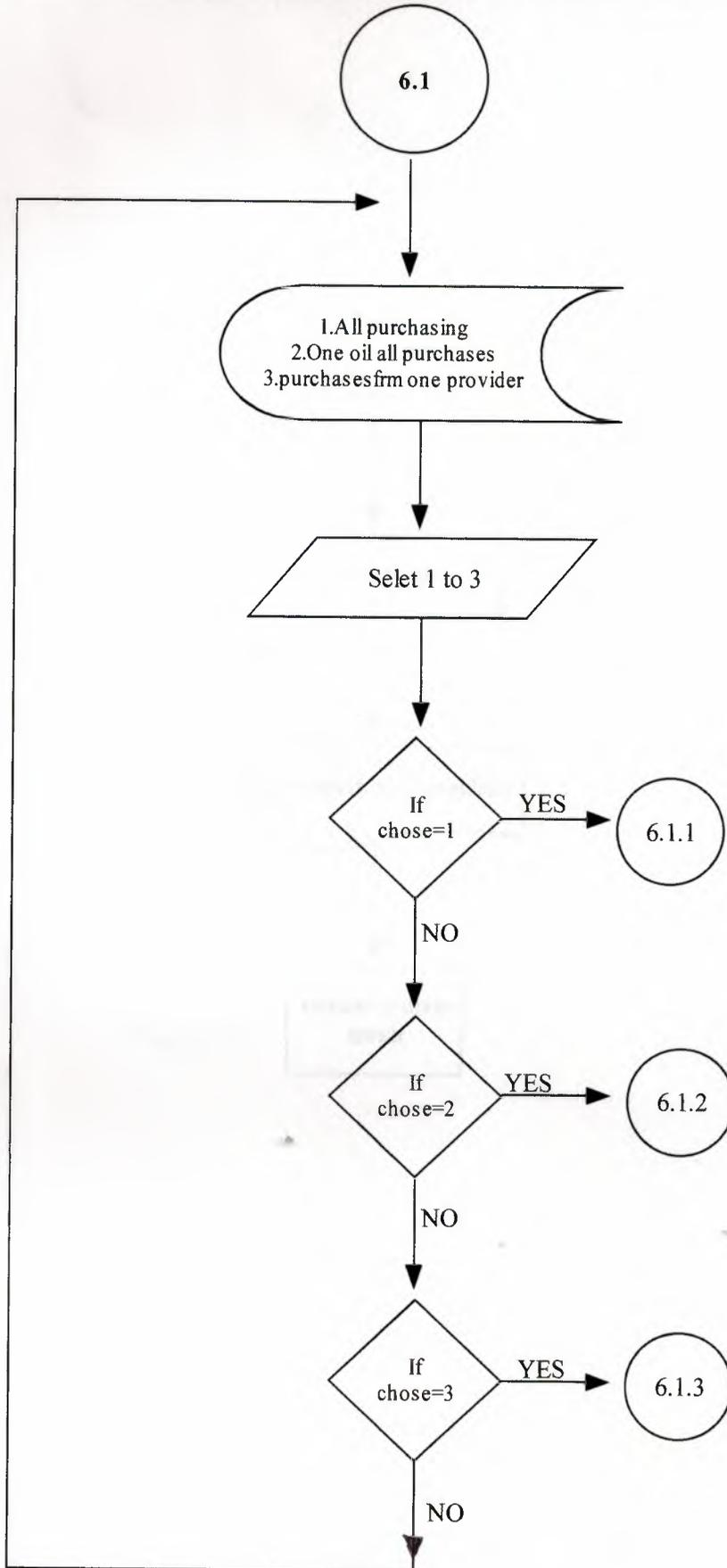
## FLOWCHART TO VIEW SELLING ACCOUNT



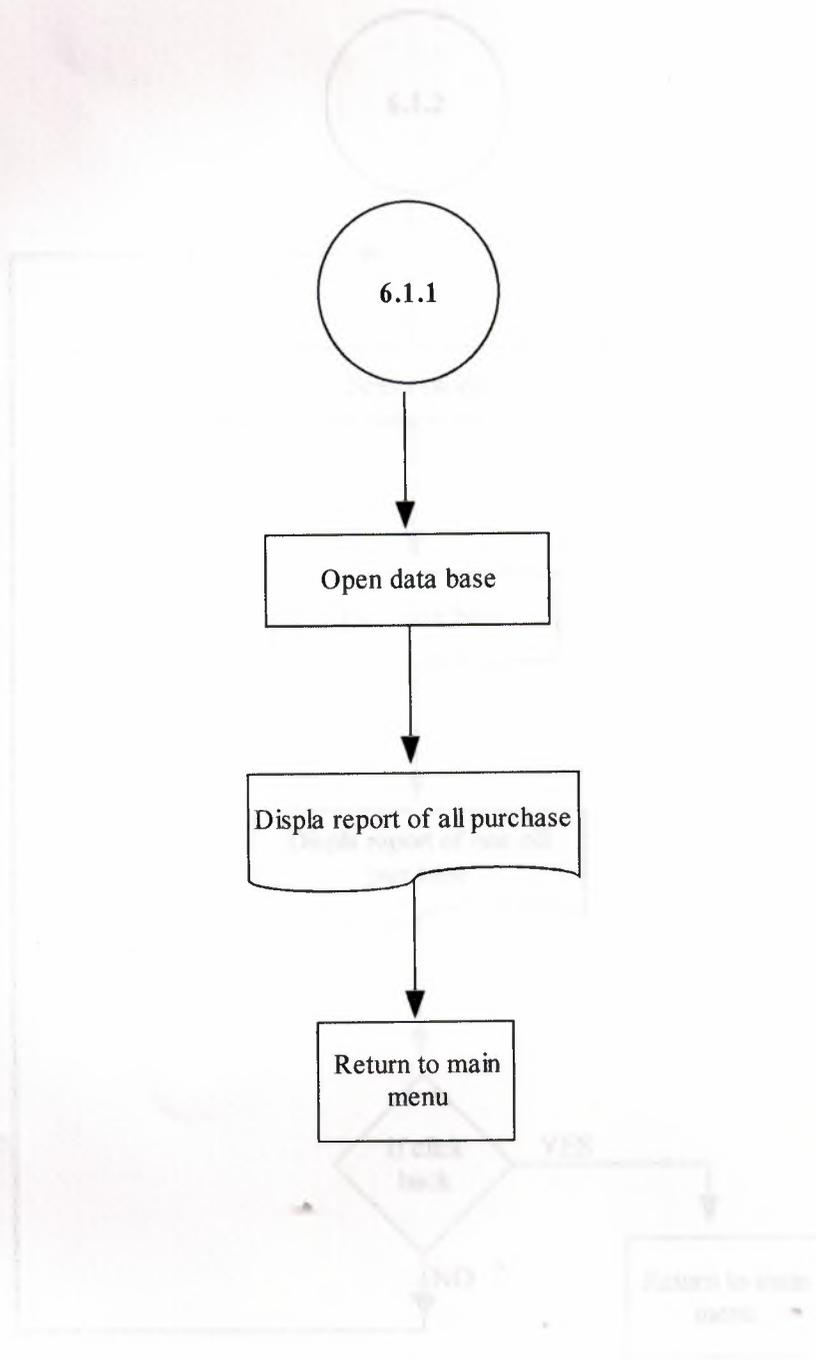
# FLOWCHART FOR REPORT PROCESS



FLOWCHART FOR BUYING REPORT ALL OIL

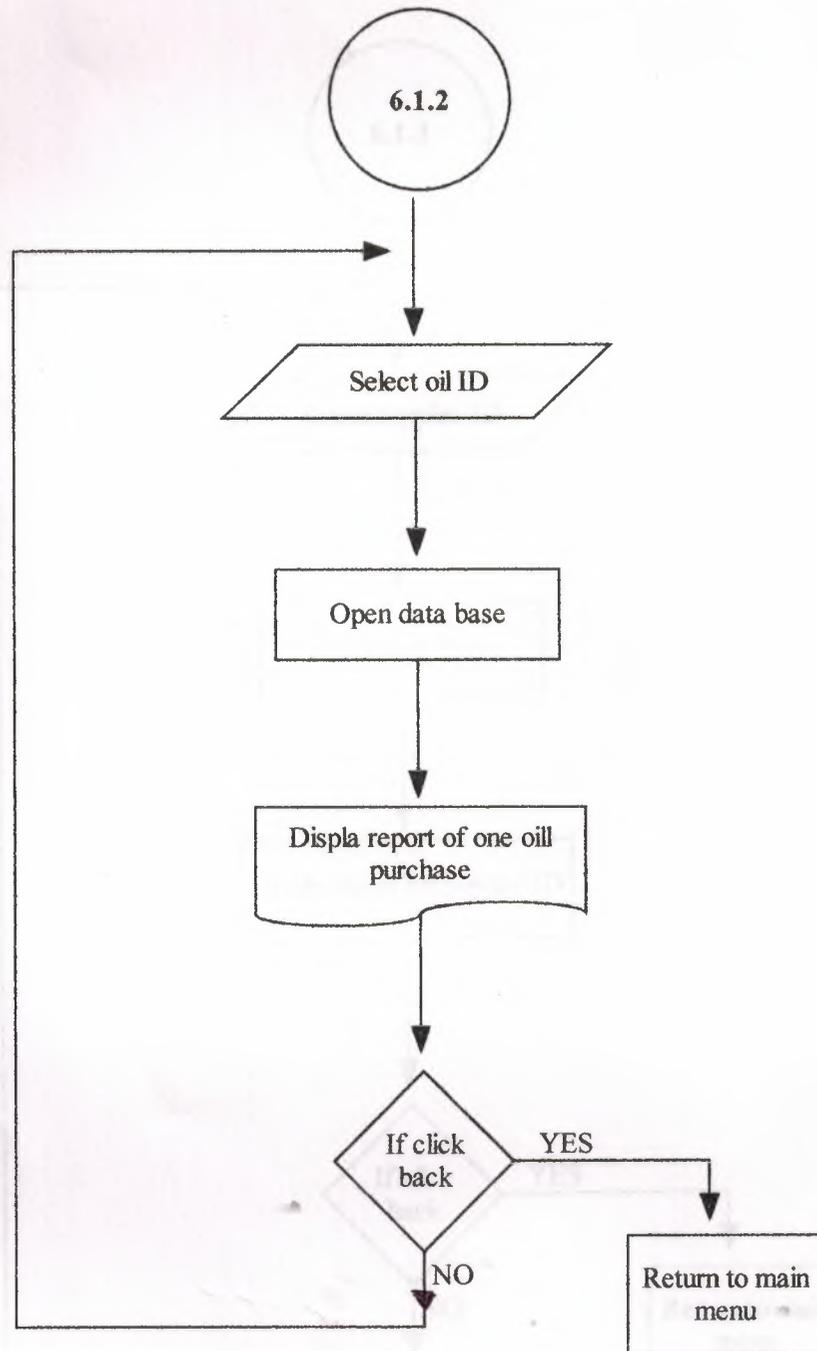


# FLOWCHART TO VIEW ALL PURCHASE FOR ALL OIL

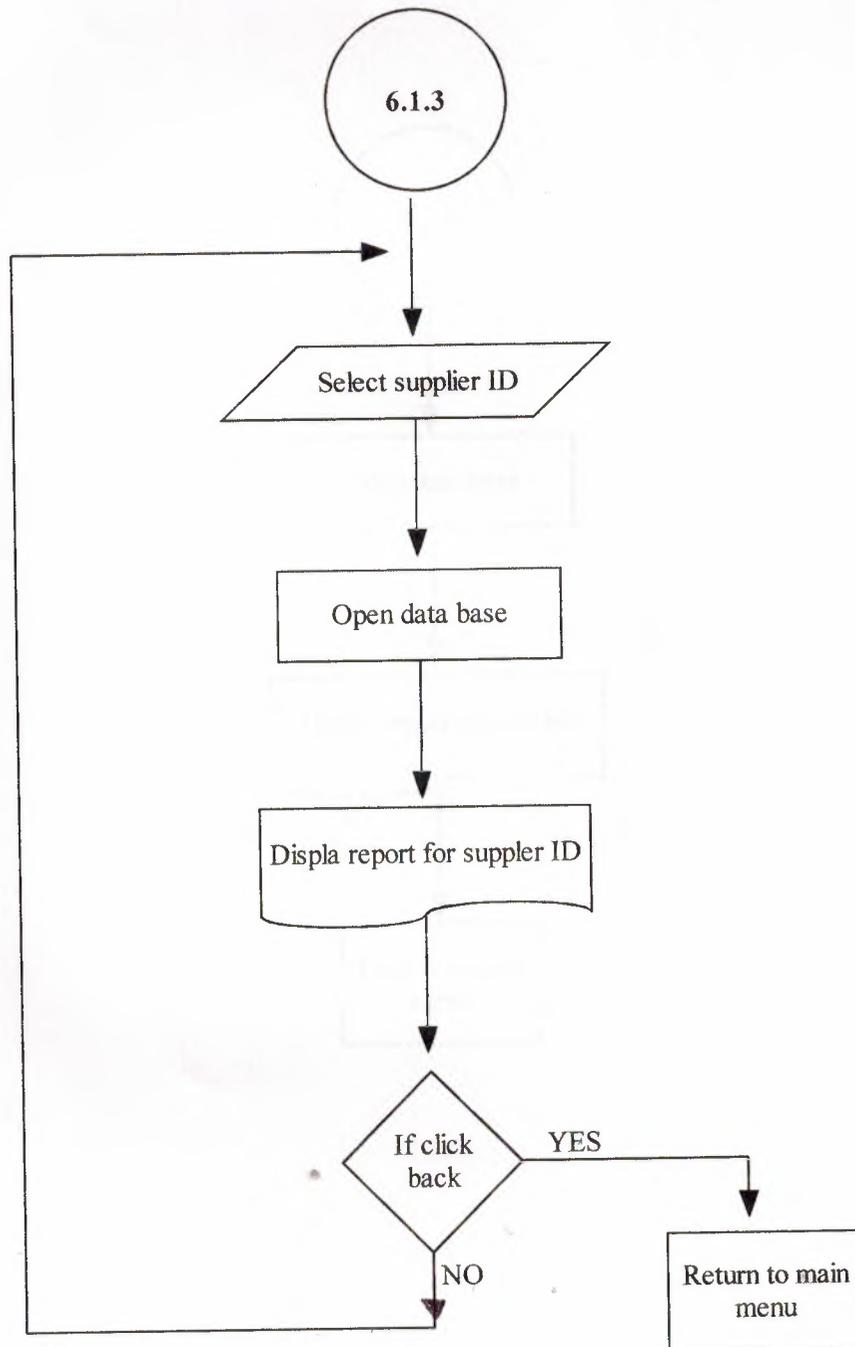


# FLOWCHART FOR ONE OIL TOTAL PURCHASES

FLOWCHART TO VIEW REPORT FOR OIL FROM ONE PROVIDER

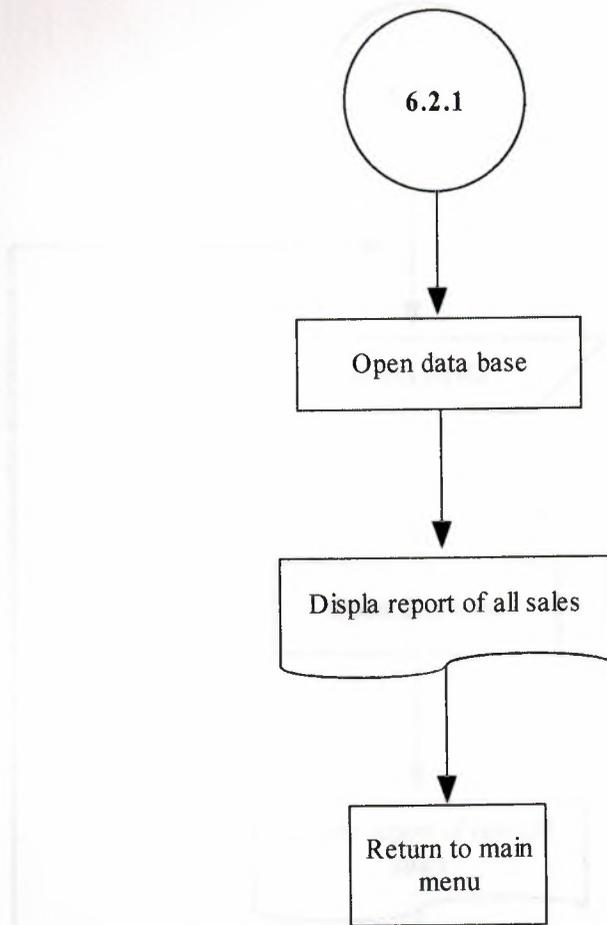


FLOWCHART TO VIEW REPORT FOR OIL FROM ONE PROVIDER



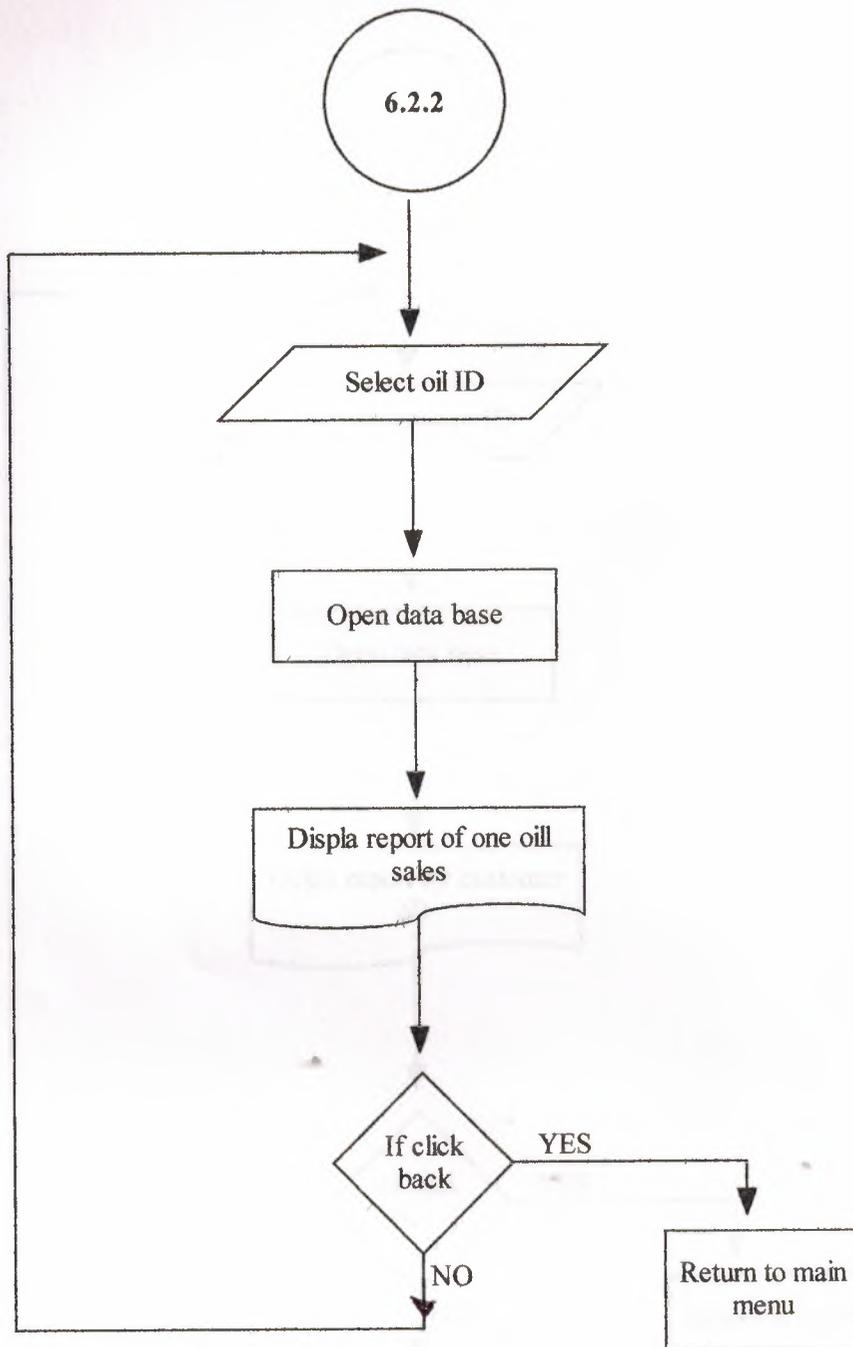
# FLOWCHART TO VIEW ALL SELLING FOR ALL OIL

FLOWCHART FOR ONE OIL TOTAL SALES

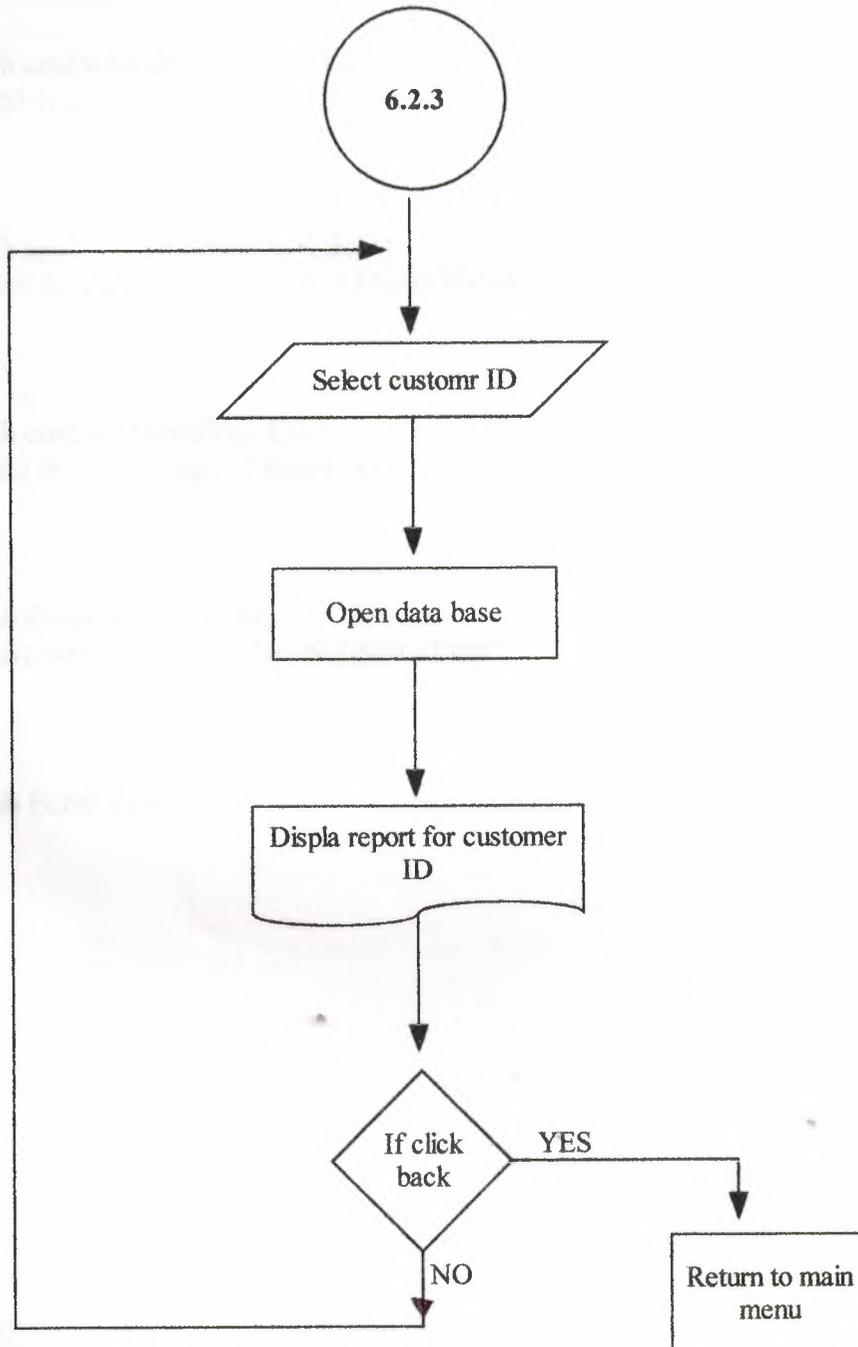


# FLOWCHART FOR ONE OIL TOTAL SALES

FLOWCHART FOR ALL OIL TO ONE CUSTOMER



### FLOWCHART FOR ALL OIL TO ONE CUSTOMER



## SOURCE PROGRAM

### Form menu registration

```
Private Sub Command1_Click()
```

```
End Sub
```

```
Private Sub cmdSubMenuCust_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuCust"
```

```
End Sub
```

```
Private Sub cmdSubMenuRegOil_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuOilReg"
```

```
End Sub
```

```
Private Sub cmdSubMenuSup_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuSup"
```

```
End Sub
```

```
Private Sub Command5_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuEmp"
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

## Form registration new oil

```
Private Sub cmdexit13_Click()
    DoCmd.OpenForm "frmMenu"
    DoCmd.Close acForm, Me.Name
End Sub

Private Sub cmdSaveOil_Click()
    Dim db As DAO.Database
    Dim rs As DAO.Recordset
    Dim s As String

    Set db = CurrentDb()
    s = "SELECT * FROM tblOil WHERE oilID='" & Me.txtoilID & "'"
    Set rs = db.OpenRecordset(s)

    If rs.EOF And rs.BOF Then
        With rs
            .AddNew
            .Fields("oilID").Value = Me.txtoilID
            .Fields("oilName").Value = Me.txtoilName
            .Fields("oilType").Value = Me.txtoilType
            .Fields("minLevel").Value = Me.txtminLevel
            .Fields("bUnitPrice").Value = Me.txtbUnitPrice
            .Fields("slevel").Value = 0
            .Fields("sUnitPrice").Value = Me.txtsUnitPrice
            .Update
        End With
        DoCmd.OpenForm "frmMenu"
        DoCmd.Close acForm, Me.Name
    Else
        MsgBox "This ID is already Registered ", vbCritical
    End If

End Sub

Private Sub Form_Load()

End Sub
```

## Form edit registering oil

```
Private Sub cmdexit13_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub
```

```
Private Sub cmdoilID_AfterUpdate()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String
```

```
Set db = CurrentDb()  
s = "SELECT * FROM tblOil WHERE oilID='" & Me.cmdoilID & "'"<br>Set rs = db.OpenRecordset(s)  
If rs.EOF And rs.BOF Then  
MsgBox "There is no such OIL present ", vbInformation  
Else  
With rs  
Me.txtoilName = .Fields("oilName").Value  
Me.txtoilType = .Fields("oilType").Value  
Me.txtminLevel = .Fields("minLevel").Value  
Me.txtbUnitPrice = .Fields("bUnitPrice").Value  
Me.txtsUnitPrice = .Fields("sUnitPrice").Value  
End With  
End If
```

```
End Sub
```

```
Private Sub cmdOilID_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub cmdSaveOil1_Click()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String
```

```
Set db = CurrentDb()  
s = "SELECT * FROM tblOil WHERE oilID='" & Me.cmdoilID & "'"<br>Set rs = db.OpenRecordset(s)
```

```
With rs  
.Edit  
.Fields("oilName").Value = Me.txtoilName  
.Fields("oilType").Value = Me.txtoilType  
.Fields("minLevel").Value = Me.txtminLevel  
.Fields("bUnitPrice").Value = Me.txtbUnitPrice
```

```

.Fields("sUnitPrice").Value = Me.txtsUnitPrice
.Update
DoCmd.OpenForm "frmMenu"
DoCmd.Close acForm, Me.Name
End With
End Sub

Dim s As String
Private Sub Form_Load()
Set db = CurrentDb()
End Sub
SELECT * FROM INVO WHERE sID=" & Me.cmbID & ""
Set rs = db.OpenRecordset(s)
If MsgBox("Do you want to delete this record?", vbYesNo) = vbYes Then
Then
rs.Delete
DoCmd.OpenForm "frmMenu"
DoCmd.Close acForm, Me.Name
End If

End Sub

Private Sub cmdOK_Click()
DoCmd.OpenForm "frmMenu"
DoCmd.Close acForm, Me.Name
End Sub

Private Sub cmdCancel_Click()
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim s As String

Set db = CurrentDb()
s = "SELECT * FROM INVO WHERE sID=" & Me.cmbID & ""
Set rs = db.OpenRecordset(s)
If rs.EOF And rs.BOF Then
MsgBox "There are no records in this table.", vbInformation, "Info"
Else
MsgBox "Record found.", vbInformation, "Info"
End If
End Sub

```

## Form delete oil

```
Private Sub cmdDel_Click()
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim s As String

Set db = CurrentDb()
s = "SELECT * FROM tblOil WHERE oilID=" & Me.cmdoilID & ""
Set rs = db.OpenRecordset(s)
If MsgBox("Do you Want to delete this record ", vbQuestion + vbYesNo) = vbYes
Then
rs.Delete

DoCmd.OpenForm "frmMenu"
DoCmd.Close acForm, Me.Name
End If

End Sub

Private Sub cmdexit13_Click()
DoCmd.OpenForm "frmMenu"
DoCmd.Close acForm, Me.Name
End Sub

Private Sub cmdoilID_AfterUpdate()
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim s As String

Set db = CurrentDb()
s = "SELECT * FROM tblOil WHERE oilID=" & Me.cmdoilID & ""
Set rs = db.OpenRecordset(s)
If rs.EOF And rs.BOF Then
MsgBox "There is no such OIL present ", vbInformation
Else
With rs
Me.txtoilName = .Fields("oilName").Value
Me.txtoilType = .Fields("oilType").Value
Me.txtminLevel = .Fields("minLevel").Value
Me.txtbUnitPrice = .Fields("bUnitPrice").Value
Me.txtsUnitPrice = .Fields("sUnitPrice").Value
End With
End If
End Sub

Private Sub Form_Load()
```

## Form registration customer

```
Private Sub Command5_Click()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
  
Set db = CurrentDb()  
s = "SELECT * FROM tblCust WHERE custID=" & Me.txtCustID & ""  
Set rs = db.OpenRecordset(s)  
  
If rs.EOF And rs.BOF Then  
With rs  
.AddNew  
.Fields("custID").Value = Me.txtCustID  
.Fields("custName") = Me.txtCustName  
.Update  
End With  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
Else  
MsgBox "This Record is already present ", vbInformation  
End If  
  
End Sub  
  
Private Sub Command6_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub  
  
Private Sub Form_Load()  
  
End Sub
```

## Form edit customer

```
Private Sub cmbCustId_AfterUpdate()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
Set db = CurrentDb()  
s = "SELECT * FROM tblCust WHERE custID=" & Me.cmbCustId & ""  
Set rs = db.OpenRecordset(s)  
Me.txtCustName = rs.Fields("custName").Value  
End Sub
```

```
Private Sub cmbCustId_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub Command5_Click()
```

```
Dim db As DAO.Database
```

```
Dim rs As DAO.Recordset
```

```
Dim s As String
```

```
Set db = CurrentDb()
```

```
s = "SELECT * FROM tblCust WHERE custID=" & Me.cmbCustId & ""
```

```
Set rs = db.OpenRecordset(s)
```

```
With rs
```

```
.Edit
```

```
.Fields("custName") = Me.txtCustName
```

```
.Update
```

```
End With
```

```
DoCmd.OpenForm "frmMenu"
```

```
DoCmd.Close acForm, Me.Name
```

```
End Sub
```

```
Private Sub Command6_Click()
```

```
DoCmd.OpenForm "frmMenu"
```

```
DoCmd.Close acForm, Me.Name
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

## Form delete customer

```
Private Sub Command5_Click()  
Dim db As DAO.Database  
Private Sub cmbCustId_AfterUpdate()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
s = "SELECT * FROM tblCust WHERE custID=" & Me.cmbCustId & ""  
Set db = CurrentDb()  
s = "SELECT * FROM tblCust WHERE custID=" & Me.cmbCustId & ""  
Set rs = db.OpenRecordset(s)  
Me.txtCustName = rs.Fields("custName").Value  
AddNew  
Fields("supl")  
End Sub  
Update  
End With  
DoCmd.OpenForm  
Private Sub Command5_Click()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
Set db = CurrentDb()  
s = "SELECT * FROM tblCust WHERE custID=" & Me.cmbCustId & ""  
Set rs = db.OpenRecordset(s)  
If MsgBox("Do Want to Delete this Record ", vbQuestion + vbYesNo) = vbYes Then  
rs.Delete  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub  
End If  
End Sub  
Private Sub Command6_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub  
Private Sub Form_Load()  
End Sub
```

## Form registration supplier

```
Private Sub Command5_Click()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
  
Set db = CurrentDb()  
s = "SELECT * FROM tblSup WHERE supID=" & Me.txtSupID & ""  
Set rs = db.OpenRecordset(s)  
Me.txtSupName = rs.Fields("supName").Value  
If rs.EOF And rs.BOF Then  
With rs  
.AddNew  
.Fields("supID").Value = Me.txtSupID  
.Fields("supName") = Me.txtSupName  
.Update  
End With  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
Else  
MsgBox "This Record is already present ", vbInformation  
End If  
s = "SELECT * FROM tblSup WHERE supID=" & Me.txtSupID & ""  
Set rs = db.OpenRecordset(s)  
If MsgBox("Do you want to delete this record?", vbYesNo) = vbYes Then  
rs.Delete  
End Sub  
DoCmd.OpenForm "frmMenu"  
Private Sub Command6_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub  
  
End Sub  
  
Private Sub Command6_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub  
  
Private Sub Form_Load()  
  
End Sub
```

## Form delete suppliers

```
Private Sub cmbSupID_AfterUpdate()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
  
Set db = CurrentDb()  
s = "SELECT * FROM tblSup WHERE supID=" & Me.cmbSupid & ""  
Set rs = db.OpenRecordset(s)  
Me.txtSupName = rs.Fields("supName").Value  
End Sub  
  
Private Sub cmbSupId_BeforeUpdate(Cancel As Integer)  
  
End Sub  
  
Private Sub Command5_Click()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim s As String  
  
Set db = CurrentDb()  
s = "SELECT * FROM tblSup WHERE supID=" & Me.cmbSupid & ""  
Set rs = db.OpenRecordset(s)  
If MsgBox("Do Want to Delete this Record ", vbQuestion + vbYesNo) = vbYes Then  
rs.Delete  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
  
End If  
  
End Sub  
  
Private Sub Command6_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub  
  
Private Sub Form_Load()  
  
End Sub
```

## Form menu buy

```
Private Sub Command1_Click()
```

```
End Sub
```

```
Private Sub cmdSubMenuCust_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuCust"
```

```
End Sub
```

```
Private Sub cmdSubMenuRegOil_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuOilReg"
```

```
End Sub
```

```
Private Sub cmdSubMenuSup_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuSup"
```

```
End Sub
```

```
Private Sub cmdBuyOil_Click()
```

```
DoCmd.OpenForm "frmBuyOil"
```

```
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

## Form buy oil

Option Compare Database

Private Sub cmbOilID\_BeforeUpdate(Cancel As Integer)

End Sub

Private Sub Command10\_Click()

Dim db As DAO.Database

Dim rs As DAO.Recordset

Dim s As String

Set db = CurrentDb()

s = "SELECT \* FROM tblBuy"

Set rs = db.OpenRecordset(s)

With rs

.AddNew

.Fields("oilID").Value = Me.cmbOilID

.Fields("supID").Value = Me.cmdSupID

.Fields("bq").Value = Me.txtbq

.Fields("bdate").Value = Me.txtbDate

.Update

End With

rs.Close

s = "SELECT \* FROM tblOil WHERE oilID=" & Me.cmbOilID & ""

Set rs = db.OpenRecordset(s)

rs.Edit

rs.Fields("slevel").Value = rs.Fields("slevel").Value + Val(Me.txtbq)

rs.Update

rs.Close

s = "SELECT \* FROM temp"

Set rs = db.OpenRecordset(s)

rs.AddNew

rs.Fields("scid").Value = Me.cmdSupID

rs.Fields("bsq").Value = Me.txtbq

rs.Fields("oilID").Value = Me.cmbOilID

rs.Update

rs.Close

DoCmd.OpenForm "frmBuyBill"

DoCmd.Close acForm, Me.Name

End Sub

Private Sub Command11\_Click()

DoCmd.OpenForm "frmMenu"

DoCmd.Close acForm, Me.Name

End Sub

Private Sub Form\_Load()

Me.txtbDate = Date

End Sub

Me.txtbDate = Date

## Form buy bill

```
Private Sub Form_Load()  
Dim db As DAO.Database  
Dim rs As DAO.Recordset  
Dim rs1 As DAO.Recordset  
  
Dim s As String  
  
Set db = CurrentDb()  
s = "SELECT * FROM temp"  
  
Set rs = db.OpenRecordset(s)  
s = "SELECT * FROM tblOil WHERE oilID='" & rs.Fields("oilID").Value & """  
Set rs1 = db.OpenRecordset(s)  
  
Me.txtAmount = rs.Fields("bsq").Value * rs1.Fields("bUnitPrice").Value  
rs.MoveFirst  
Me.txtSupID = rs.Fields("scid").Value  
Me.txtbDate = Date  
Me.txtPaid = 0  
rs1.Close  
s = "SELECT * FROM tblAccBuy WHERE supID='" & rs.Fields("scid").Value & """  
Set rs1 = db.OpenRecordset(s)  
If rs1.EOF And rs1.BOF Then  
Me.txtPreCredit = 0  
Else  
  
rs1.MoveLast  
Me.txtPreCredit = rs1.Fields("credit").Value  
  
End If  
Me.txtTotalAmount = Val(Me.txtPreCredit) + Val(Me.txtAmount)  
Me.txtcredit = Val(Me.txtTotalAmount) - Val(Me.txtPaid)  
  
End Sub  
  
Private Sub txtPaid_AfterUpdate()  
Dim ta As Integer  
ts = Val(Me.txtcredit)  
  
Me.txtcredit = Val(Me.txtTotalAmount) - Val(Me.txtPaid)  
If Val(Me.txtcredit) < 0 Then  
Me.txtcredit = ts  
Me.txtPaid = 0  
  
MsgBox "Enter Correct Amount ", vbInformation  
Me.txtPaid.SetFocus
```

```

Private Sub txtPaid_BeforeUpdate(Cancel As Integer)
End Sub

Private Sub Command10_Click()
End Sub

Private Sub txtPaid_BeforeUpdate(Cancel As Integer)
Private Sub Command10_Click()
End Sub
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim s As String
Set db = CurrentDb

s = "SELECT * FROM tblAccount WHERE (tblAccount.McID = " & Me.txtPaid & ")"
Set rs = db.OpenRecordset(s)
rs.MoveFirst
If rs.Fields("tblAccount.McID").Value = Me.txtPaid Then
MsgBox "Account found for " & Me.txtPaid & " that stock level is " & rs.Fields("tblAccount.StockLevel").Value
Else
rs.Close
s = "SELECT * FROM tblAccount WHERE (tblAccount.McID = " & Me.txtPaid & ")"
Set rs = db.OpenRecordset(s)

With rs
AddNew
.Fields("tblAccount.McID").Value = Me.txtPaid
.Fields("tblAccount.StockLevel").Value = Me.txtPaid
.Fields("tblAccount.StockLevel").Value = Me.txtPaid
End With
rs.Close

s = "SELECT * FROM tblAccount WHERE (tblAccount.McID = " & Me.txtPaid & ")"
Set rs = db.OpenRecordset(s)
rs.MoveFirst
rs.Fields("tblAccount.StockLevel").Value = Me.txtPaid
rs.MoveFirst
rs.Close

s = "SELECT * FROM tblAccount WHERE (tblAccount.McID = " & Me.txtPaid & ")"
Set rs = db.OpenRecordset(s)

With rs
AddNew
.Fields("tblAccount.McID").Value = Me.txtPaid
.Fields("tblAccount.StockLevel").Value = Me.txtPaid
End With
rs.Close

End Sub
End Sub

```

## Form sell oil

```
Private Sub cmbOilID_BeforeUpdate(Cancel As Integer)

End Sub

Private Sub Command10_Click()
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim s As String
Set db = CurrentDb()

s = "SELECT * FROM tblOil WHERE oilID='" & Me.cmbOilID & "'"
Set rs = db.OpenRecordset(s)
If Val(Me.txtsq) > rs.Fields("slevel").Value Then
MsgBox "Selling quantity is greater then stock level ", vbInformation
Else
rs.Close
s = "SELECT * FROM tblSell"
Set rs = db.OpenRecordset(s)

With rs
.AddNew
.Fields("oilID").Value = Me.cmbOilID
.Fields("custID").Value = Me.cmbCustId
.Fields("sq").Value = Me.txtsq
.Fields("sdate").Value = Me.txtsDate
.Update
End With
rs.Close

s = "SELECT * FROM tblOil WHERE oilID='" & Me.cmbOilID & "'"
Set rs = db.OpenRecordset(s)
rs.Edit
rs.Fields("slevel").Value = rs.Fields("slevel").Value - Val(Me.txtsq)
rs.Update
rs.Close

s = "SELECT * FROM temp"
Set rs = db.OpenRecordset(s)

rs.AddNew
rs.Fields("scid").Value = Me.cmbCustId
rs.Fields("bsq").Value = Me.txtsq
rs.Fields("oilID").Value = Me.cmbOilID
rs.Update
rs.Close

DoCmd.OpenForm "frmSellBill"
DoCmd.Close acForm, Me.Name
```

End If

End Sub

```
Private Sub Command11_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name
```

End Sub

```
Private Sub Form_Load()  
Me.txtsDate = Date
```

End Sub

## Form sell bill

```
Private Sub Command11_Click()
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim s As String

Set db = CurrentDb()
s = "SELECT * FROM tblAccSell"
Set rs = db.OpenRecordset(s)
With rs
    .AddNew
    .Fields("custID").Value = Me.txtSupID
    .Fields("amount").Value = Me.txtTotalAmount
    .Fields("paid").Value = Me.txtPaid
    .Fields("credit").Value = Me.txtcredit
    .Fields("pdate").Value = Me.txtbDate
    .Update
End With

DoCmd.RunSQL "DELETE * FROM temp"
DoCmd.OpenForm "frmMenu"
DoCmd.Close acForm, Me.Name

End Sub

Private Sub Form_Load()
Dim db As DAO.Database
Dim rs As DAO.Recordset
Dim rs1 As DAO.Recordset

Dim s As String

Set db = CurrentDb()
s = "SELECT * FROM temp"

Set rs = db.OpenRecordset(s)
s = "SELECT * FROM tblOil WHERE oilID='" & rs.Fields("oilID").Value & "'"
Set rs1 = db.OpenRecordset(s)

Me.txtAmount = rs.Fields("bsq").Value * rs1.Fields("sUnitPrice").Value
rs.MoveFirst
Me.txtSupID = rs.Fields("scid").Value
Me.txtbDate = Date
Me.txtPaid = 0
rs1.Close
s = "SELECT * FROM tblAccSell WHERE custID='" & rs.Fields("scid").Value & "'"
Set rs1 = db.OpenRecordset(s)
If rs1.EOF And rs1.BOF Then
Me.txtPreCredit = 0
```

Else

rs1.MoveLast

Me.txtPreCredit = rs1.Fields("credit").Value

End If

Me.txtTotalAmount = Val(Me.txtPreCredit) + Val(Me.txtAmount)

Me.txtcredit = Val(Me.txtTotalAmount) - Val(Me.txtPaid)

End Sub

Private Sub txtPaid\_AfterUpdate()

Dim ta As Integer

ts = Val(Me.txtcredit)

Me.txtcredit = Val(Me.txtTotalAmount) - Val(Me.txtPaid)

If Val(Me.txtcredit) < 0 Then

Me.txtcredit = ts

Me.txtPaid = 0

MsgBox "Enter Correct Amount ", vbInformation

Me.txtPaid.SetFocus

End If

End Sub

Private Sub txtPaid\_BeforeUpdate(Cancel As Integer)

End Sub

### Form stock all

```
Private Sub Command9_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name
```

```
End Sub
```

### Form stock one

```
Private Sub cmdoilID_AfterUpdate()  
Dim s As String  
s = "SELECT oilName,oilType FROM tblOil WHERE oilID=" & Me.cmdoilID & ""  
Me.lst1.RowSource = s  
s = "SELECT minLevel,slevel FROM tblOil WHERE oilID=" & Me.cmdoilID & ""  
Me.lst2.RowSource = s  
  
s = "SELECT sUnitPrice,bUnitPrice FROM tblOil WHERE oilID=" & Me.cmdoilID  
& ""  
Me.lst3.RowSource = s  
End Sub
```

```
Private Sub cmdOilID_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub Command9_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub
```

## Form menu report

Option Compare Database

DoCmd.OpenReport "rptOilBuy", acViewPreview

Private Sub Command0\_Click()

Me.chldR.SourceObject = "frmSubBuyRepo"

End Sub

DoCmd.OpenForm "frmSubSellRepo"

Private Sub Command1\_Click()

Me.chldR.SourceObject = "frmSubSellRepo"

End Sub

Private Sub Command2\_Click()

Private Sub Form\_Load()

End Sub

End Sub

End Sub

End Sub

Private Sub Form\_Load()

End Sub

End Sub

End Sub

## Form report oil buy

Private Sub cmbOilID\_AfterUpdate()

DoCmd.OpenReport "rptOilBuy", acViewPreview

Form report oil buy

End Sub

Private Sub cmbOilID\_BeforeUpdate(Cancel As Integer)

End Sub

Private Sub Command3\_Click() Update(Cancel As Integer)

DoCmd.OpenForm "frmMenu"

DoCmd.Close acForm, Me.Name

End Sub

DoCmd.OpenReport "rptSupOne", acViewPreview

End Sub

End Sub

Private Sub cmbSupID\_BeforeUpdate(Cancel As Integer)

End Sub

### **Form sub buy report**

```
Private Sub Command0_Click()  
DoCmd.OpenReport "rptAllBuy", acViewPreview  
End Sub
```

```
Private Sub Command1_Click()  
DoCmd.OpenForm "frmRptOilBuy"  
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Command2_Click()  
DoCmd.OpenForm "frmRptSupOne"  
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

### **Form report supplier one**

```
Private Sub cmbOilID_AfterUpdate()
```

```
End Sub
```

```
Private Sub cmbOilID_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub cmbSupID_AfterUpdate()  
DoCmd.OpenReport "rptSupOne", acViewPreview  
End Sub
```

```
Private Sub cmbSupId_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub Command3_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name
```

```
End Su
```

### Form stock all

```
Private Sub Command9_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name  
End Sub
```

### Form stock one

```
Private Sub cmdoilID_AfterUpdate()  
Dim s As String  
s = "SELECT oilName,oilType FROM tblOil WHERE oilID=" & Me.cmdoilID & """"  
Me.lst1.RowSource = s  
s = "SELECT minLevel,slevel FROM tblOil WHERE oilID=" & Me.cmdoilID & """"  
Me.lst2.RowSource = s  
  
s = "SELECT sUnitPrice,bUnitPrice FROM tblOil WHERE oilID=" & Me.cmdoilID  
& """"  
Me.lst3.RowSource = s  
End Sub
```

```
Private Sub cmdOilID_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub Command9_Click()  
DoCmd.OpenForm "frmMenu"  
DoCmd.Close acForm, Me.Name
```

```
End Sub
```

## Form menu account

```
Private Sub Command1_Click()
```

```
End Sub
```

```
Private Sub cmdSubMenuCust_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuCust"
```

```
End Sub
```

```
Private Sub cmdSubMenuRegOil_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuOilReg"
```

```
End Sub
```

```
Private Sub cmdSubMenuSup_Click()
```

```
Me.chldsub1.SourceObject = "frmSubMenuSup"
```

```
End Sub
```

```
Private Sub cmdBuyOil_Click()
```

```
DoCmd.OpenForm "frmAddBuyBill"
```

```
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Command5_Click()
```

```
DoCmd.OpenForm "frmAddSellBill"
```

```
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Command6_Click()
```

```
DoCmd.OpenForm "frmBuyAccLog"
```

```
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Command7_Click()
```

```
DoCmd.OpenForm "frmSellAccLog"
```

```
DoCmd.Close acForm, "frmMenu"
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

**Form sell account log**

Private Sub Command8\_Click()

DoCmd.OpenForm "frmMenu"

DoCmd.Close acForm, Me.Name

End Sub

## Form reports customer one

```
Private Sub cmbOilID_AfterUpdate()
```

```
End Sub
```

```
Private Sub cmbCustId_AfterUpdate()
```

```
DoCmd.OpenReport "rptCustOne", acViewPreview
```

```
End Sub
```

```
Private Sub cmbCustId_BeforeUpdate(Cancel As Integer)
```

```
End Sub
```

```
Private Sub Command3_Click()
```

```
DoCmd.OpenForm "frmMenu"
```

```
DoCmd.Close acForm, Me.Name
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

## REFERENCES

Norton Peter "Micro Soft Access" Library of Congress, October 1999.