



1988



# NEAR EAST UNIVERSITY

FACULTY OF ECONOMICS AND  
ADMINISTRATIVE SCIENCE

DEPARTMENT OF  
COMPUTER INFORMATION SYSTEM

2002/2003 SPRING TERM  
CIS 400  
GRADUATION PROJECT

{ RENT A CAR  
MANAGEMENT SYSTEM }

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16-06-2003



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## **ACKNOWLEDGMENT**

***“WITH THE NAME OF ALMIGHTY ALLAH THE MOST GRACIOUS  
AND MERCIFUL”***

This is very pleasant time the fall semester which brings a lot of happiness for me the four years hard work now will give a sweet fruit in the shape of my degree. My aims my objectives and my goals will becomes true and now the time showing me the new horizon with prosperity.

I am so thankful of my honor able teachers Mr.Yalcin Akcaly and Miss.Nadire Cavus who always help me from the beginning of my university till end and they always build up my confidence in order to achieve my certain goals and now especially this time I want to dedicate my project to my these teachers as well because they help me every time when I was in a problem in my studies and they always encourage me and appreciate me in my all studies aspects.

I personally dedicate from the core of my heart this project to my parents who always help me in each and every step of my life they provide that environment in which I am able to build my self and polish my self and now when I am Graduating I feel internal satisfaction that up to now I fulfill my parents expectations.

Finally thanks to all my friends who gave me advices and recommendations during this project.

## **ABSTRACT**

Every body wants to be individualized his or herself. Hand he or she really wants to do something extra and different because this is the age of new and more in venture, and recoveries. So when assigned this, at that time I felt a new scoped and found much more potentials to show my talent and professionalism. I personally thought that this report whose be prove as a foundation store towards the new horizon and would become beneficial to not only for the personals user. Thought this program I tried my level best to minimize the errors rate as low as possible.

This system has been designed in a way that it would work more speedy than the any normal management system.



# INTRODUCTION

## 1.1 Project overview

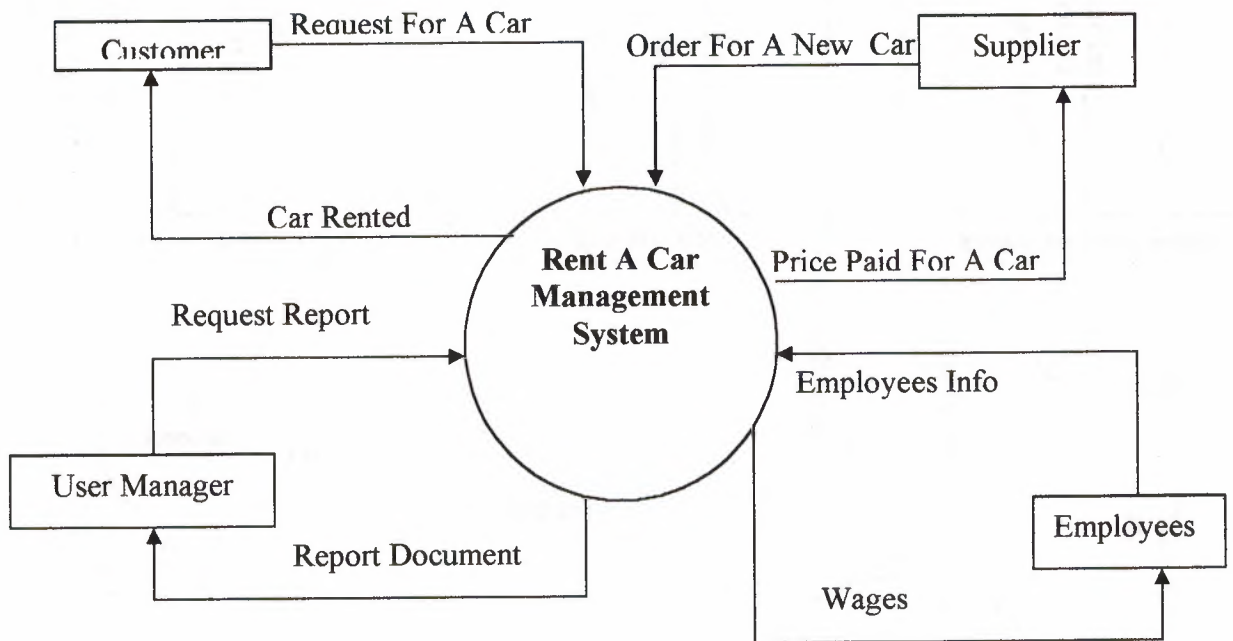
The objective of the Rent a car management system project is to introduce the new concept to manage the system. The Rent a Car management system project is actually for any small company which have fleet of cars and are available on rent. This project covers the area of accounts ,employees , car and customer. The interface which i design is user friendly. This system is convinient and fast.

- Designing a database for the Reservation and information about Car.
- Designing a database for the car management.
- Designing a database for Accounting and information about it.
- Designing a database for Employees and information about it.
- Developing the mechanism to manage the rent from customers.
- Developing the mechanism to show the report of income from rents.
- Developing the mechanism to show the report of employees transaction.
- Developing the mechanism to show the report of balance.
- Developing the mechanism to show the report of customer.

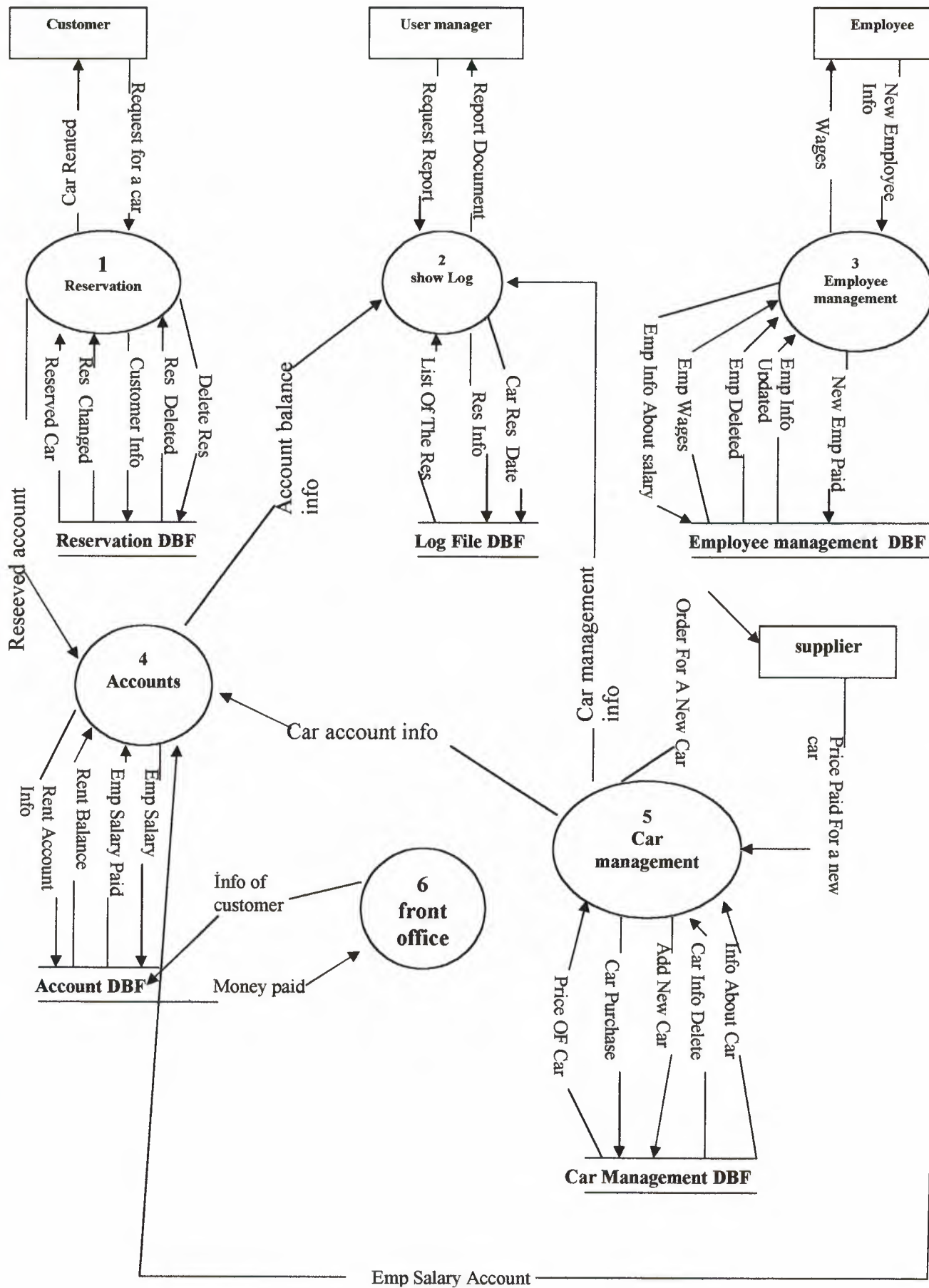
## **4. EXPLANATION OF THE SYSTEM**

### **4.1 DATA FLOW DIAGRAM**

CONTEXT DIAGRAM

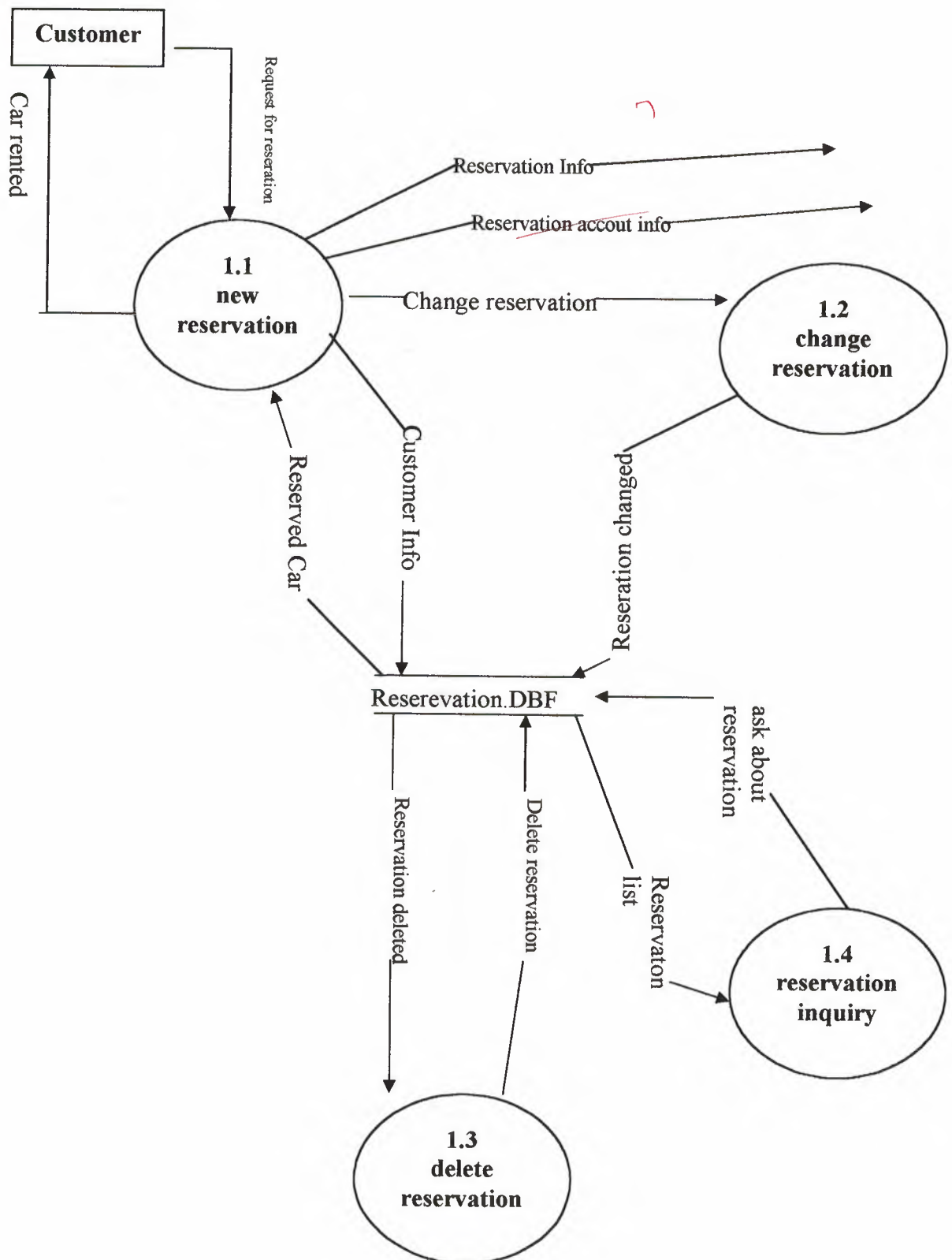


## Top level diagram

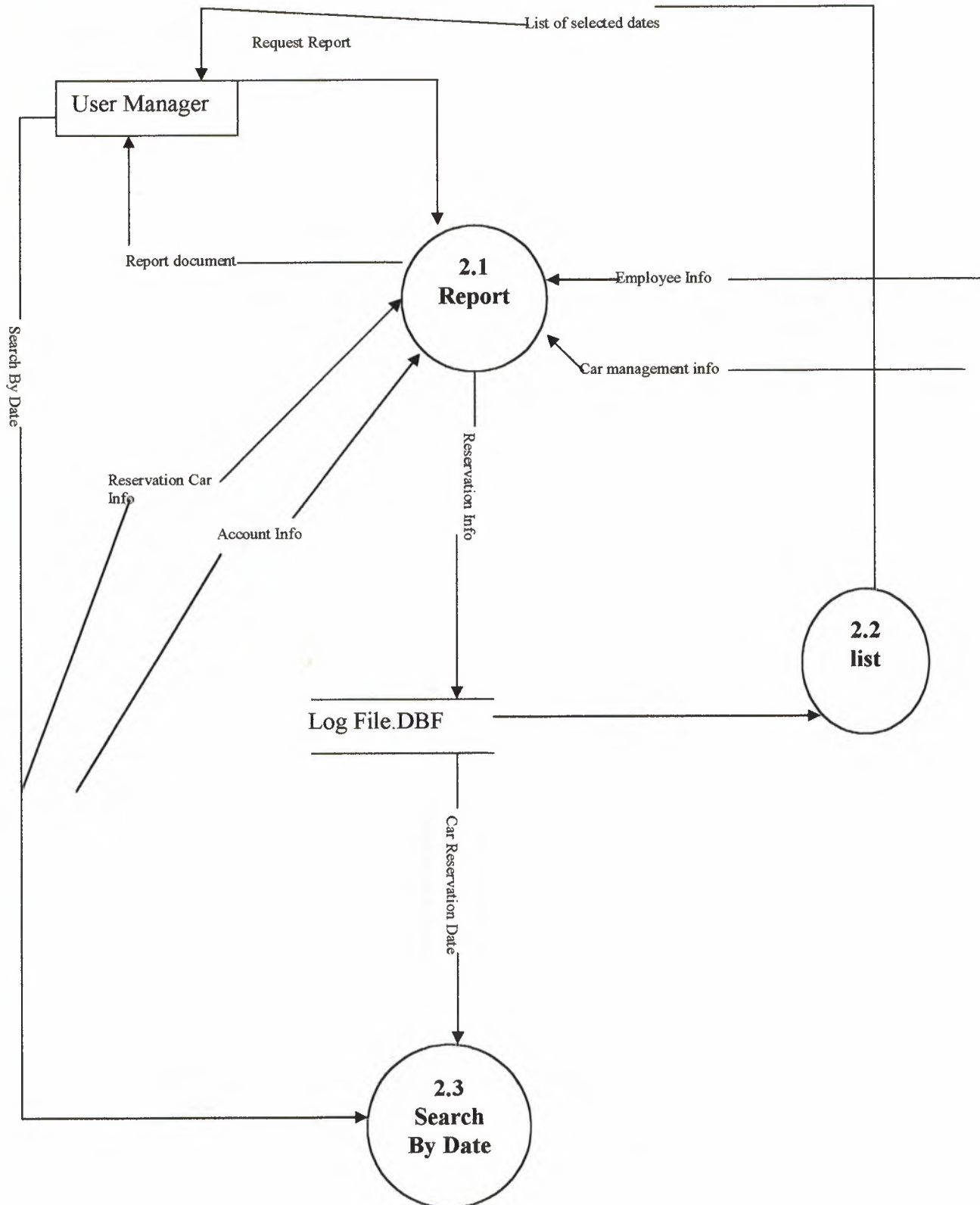




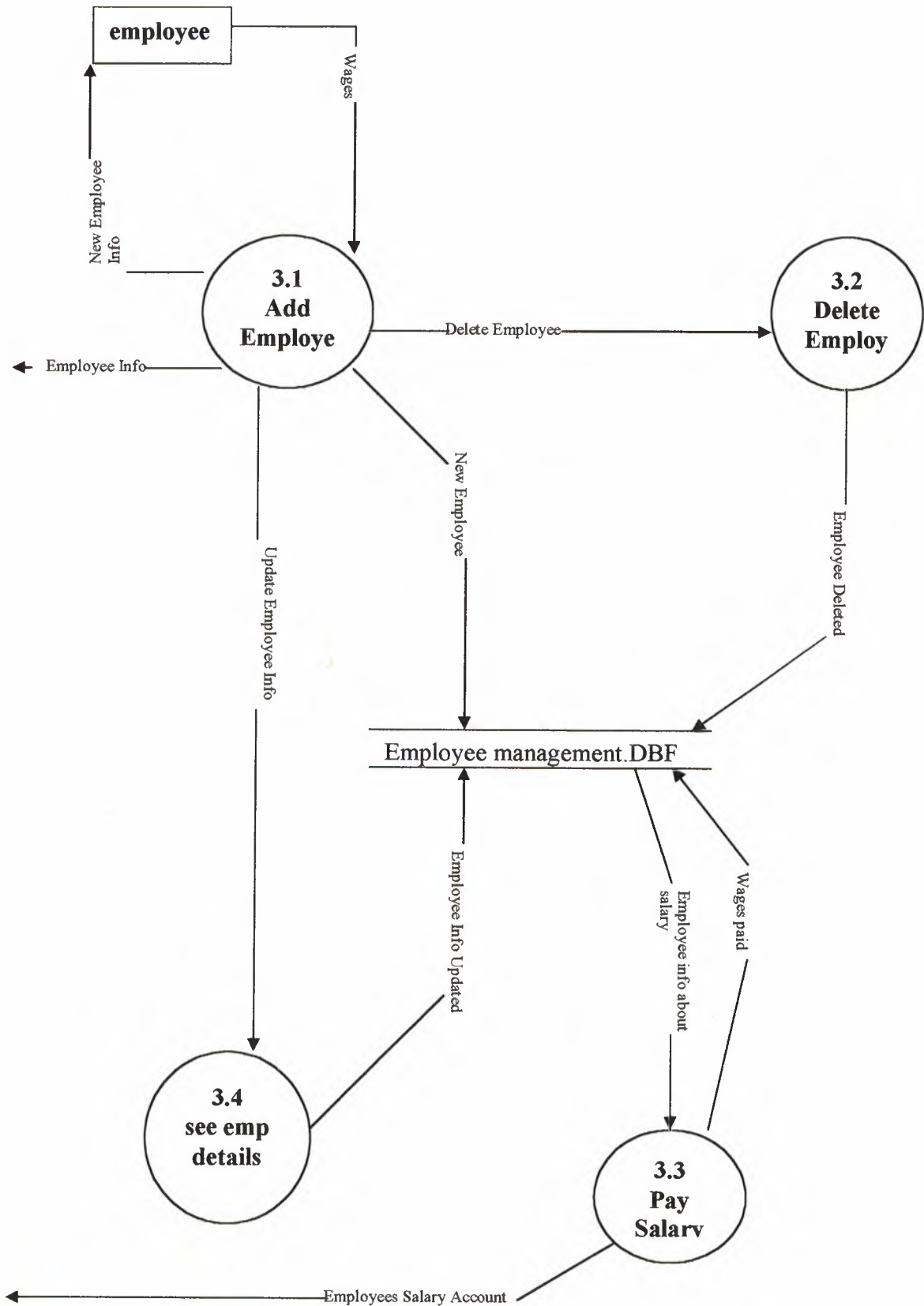
## RESERVATION.DFD



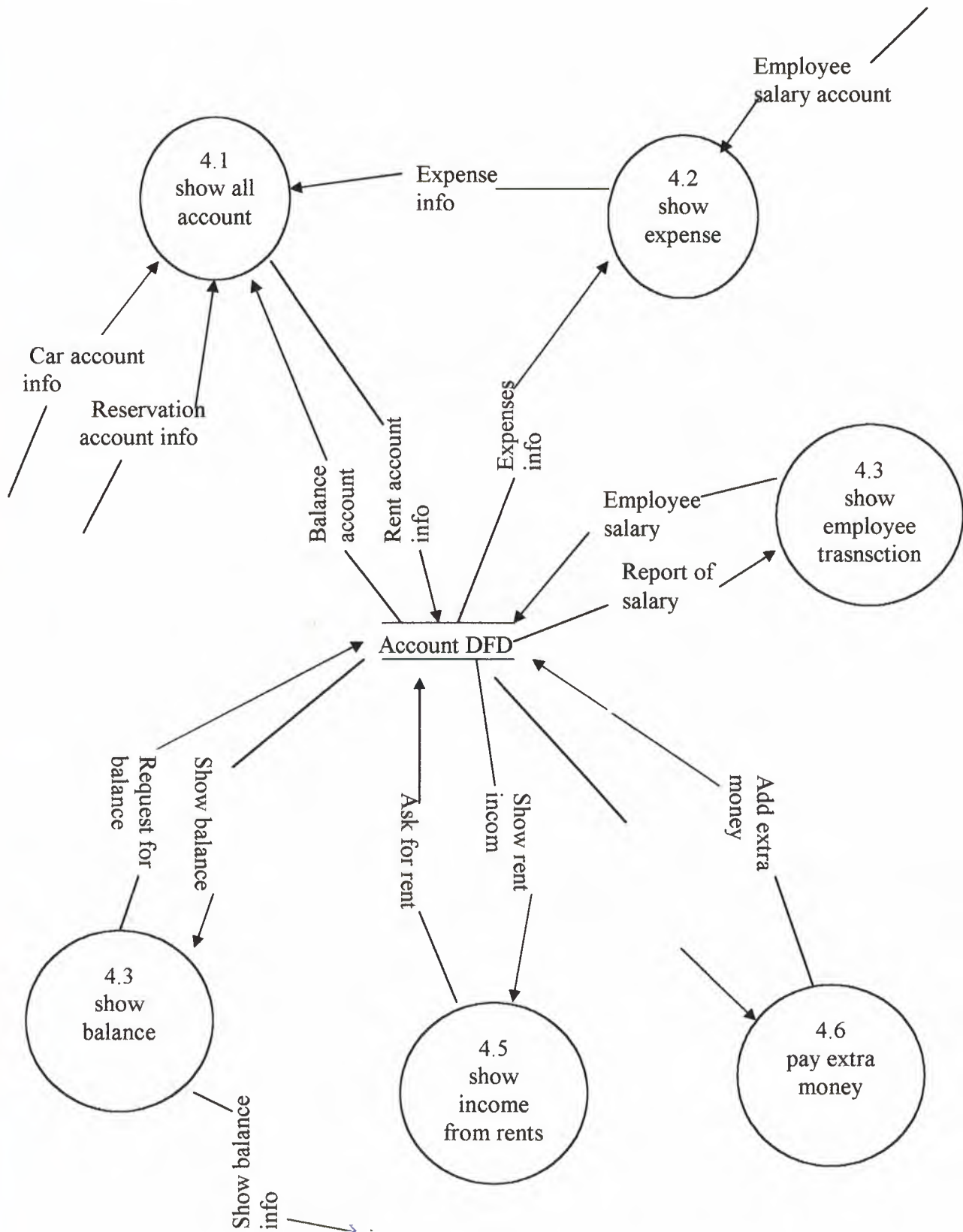
## Show Log.DFD



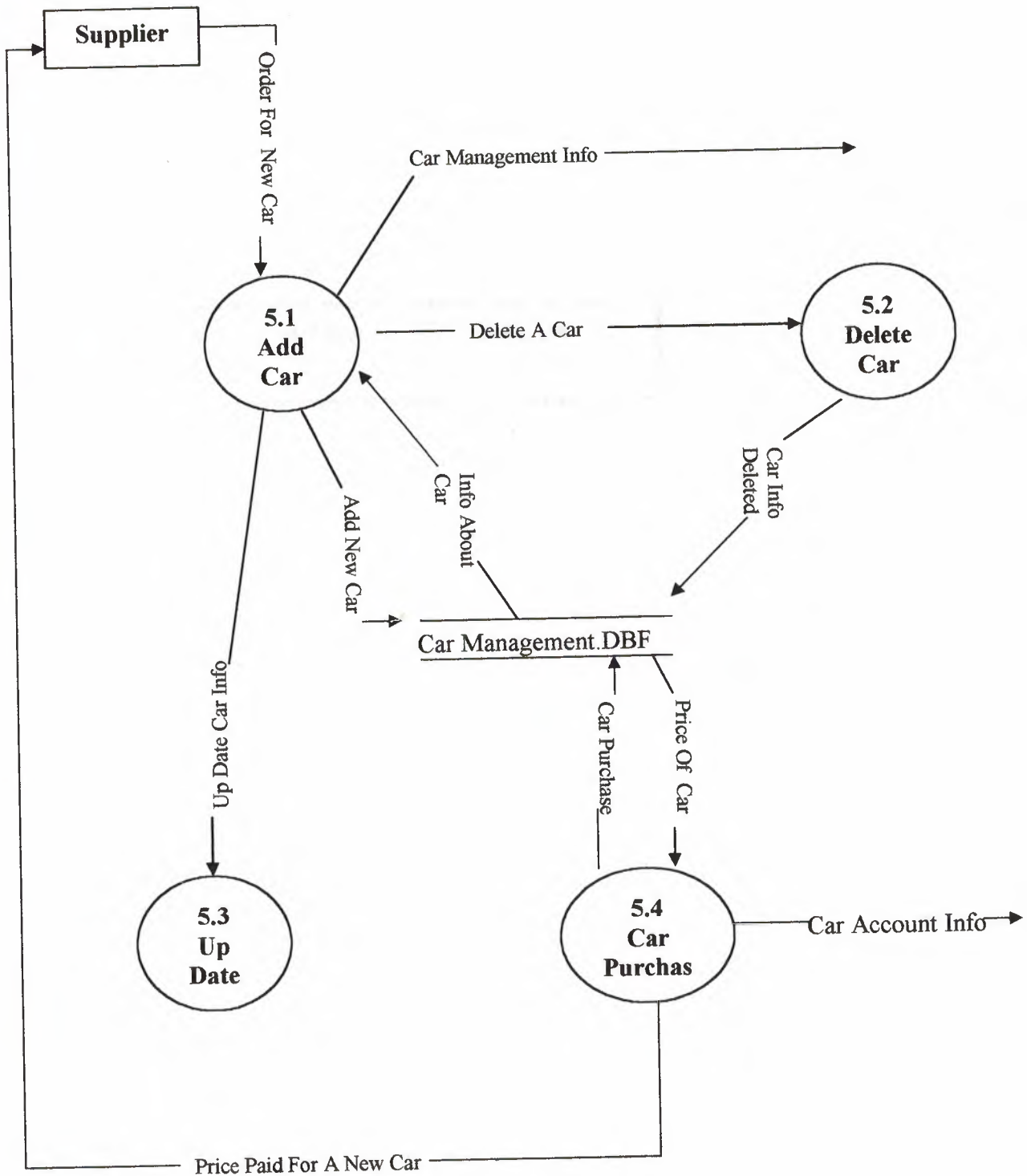
# **EMPLOYEE MANAGEMENT.DFD**



## ACCOUNT DFD



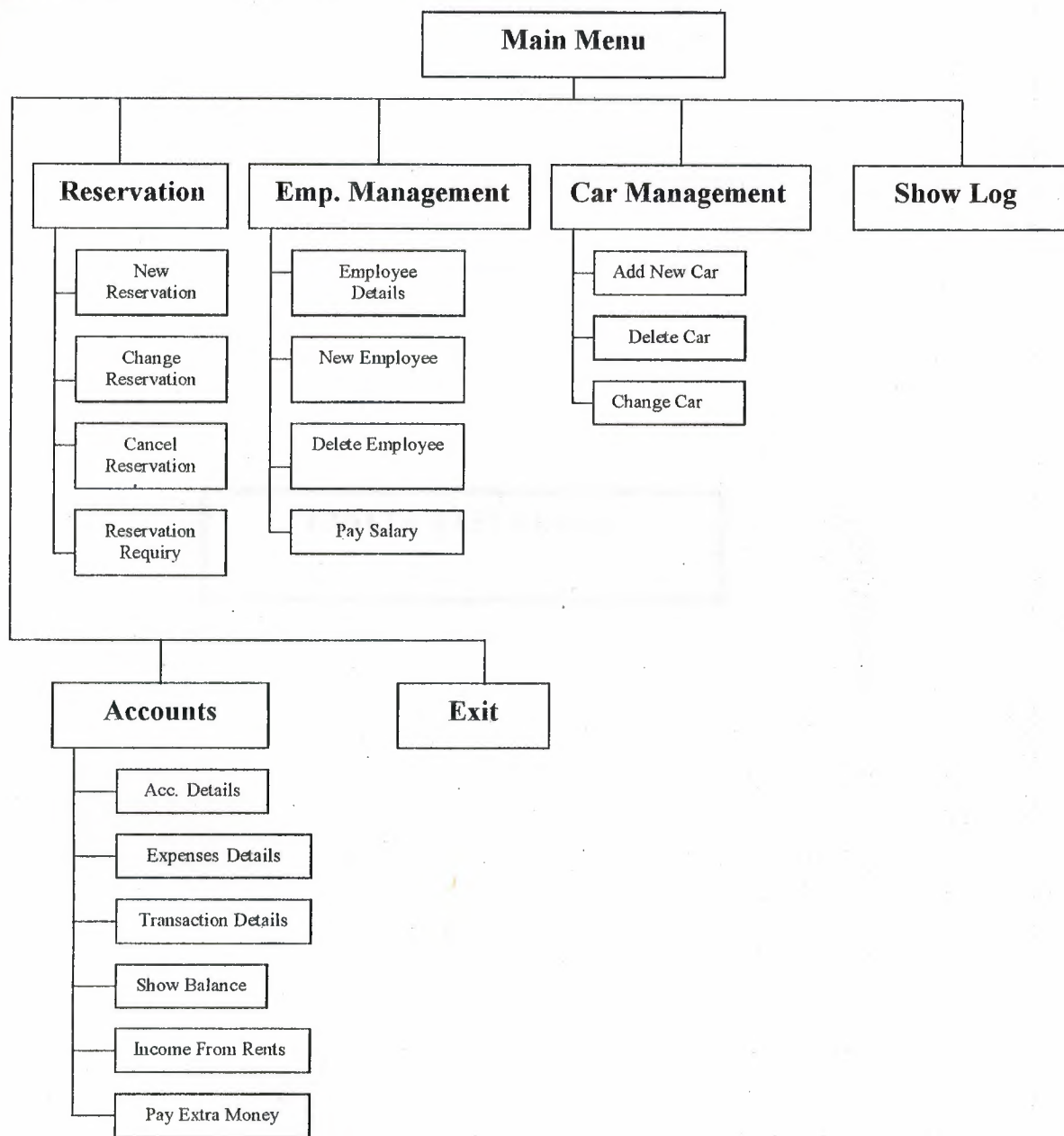
## CAR MANAGEMENT DFD





#### **4. EXPLANATION OF THE SYSTEM**

##### **4.2 system Block Diagram**



#### **4. EXPLANATION OF THE SYSTEM**

##### **4.3 DATA BASE DESIGN**





CarManagement : Table

| Field Name   | Data Type |
|--------------|-----------|
| CarNo        | Text      |
| CarModel     | Text      |
| CarCondition | Text      |
| CarDriver    | Text      |

General | Lookup

Field Size

50

## Format

### Input Mask

Caption

Default Value

### Validation Rule

Validation Text

Required

**No**

### Allow zero Length

Yes

**Indexed**

Yes (No Duplicates)

## Unicode Compression

Yes

### Live Mode

## No Control

IME Sentence Mode

None









**Reservation : Table**

| Field Name | Data Type |
|------------|-----------|
| ResNo      | Number    |
| ResName    | Text      |
| ResSurname | Text      |
| ResSex     | Text      |
| ResPhone   | Text      |
| ResCarNo   | Text      |
| ResDate    | Date/Time |

| General | Lookup |
|---------|--------|
|---------|--------|

### Field Size

### Format

## Decimal Places

### Input Mask

Caption

Default Value

### Validation Rule

Validation Text

**Required**

**Indexed**

## Long Integer

## Auto



140

Yes (No Duplicates)



## **5. User Manual**

### **5.1 System Requirement**

- Minimum 32MB RAM
- 450 MHz Processor
- At least 300KB disk memory
- Colour Monitor

### **5.2 Software Installation**

For this software installation, we need the software setup CD ROM. The further instructions are as follows:

- Insert setup disk in the CD Drive.
- Double click the setup icon.
- The installation program will start.
- Follow the installation program and provide necessary information.
- The setup will take a few seconds and installation will be completed.
- The program icon will be added to the Start menu.
- Click icon on the Start menu to run the program.



# **EXPLANATION OF THE SYSTEM**

## **IMPORTANT FUNCTIONS USED IN THE PROGRAM**

### **Main Menu**

This is the main graphical user interface of the program. On this page there are commands to go to Reservation menu, Employee management menu and to the other main functions of the program. See Figure 1 on page 75.

### **RESERVATION MENU**

When the user select this option from the main menu. This command will display new reservation, change reservation, cancel reservation and reservation inquiry options. See Figure 2 on page 75.

### **NEW RESERVATION**

This is for new reservation for customer. It include the fields of customer name, surname , address etc. See Figure 3 on page 76.

### **CHANGE RESERVATION**

This option is for changing the reservation. If customer want to change his or her reservation like in different date. This fuction will help to do so. See Figure 4 on page 76.

### **CANCEL RESERVATION**

This operation is for cancelation of the reservation. See Figure 5 on page 77.

### **INQUIRY RESERVATION**

It will show all the details about the resevation in report form.

### **EMPLOYEE MANAGEMENT**

This is for managing the employee. By entering this choice wee see employee details, new employee data , delete employee and pay monthly salary. See Figure 6 on page 78.

### **EMPLOYEE DETAILS**

This is a table for seeing the employee details. See Figure 7 on page 78.

## **NEW EMPLOYEE DATA**

This option is for new comer employees. Which covers the new employee details.

## **DELETE EMPLOYEE**

This is for deletion of employees. See Figure 8 on page 79.

## **PAY MONTHLY SALARY**

This is for paying the salary to the employees. By entering the employee id it will show the record that wether is employee is paid or not. See Figure 9 on page 80.

## **CAR MANAGEMETN**

This function is called when the user want to add new car, change car date, delete car, show all details about car. See Figure 10 on 80.

## **ADD NEW CAR**

This is for adding a new car. See Figure 11 on page 81.

## **CHANGE CAR DATA**

This is about changing the car data regarding his condition. See Figure 12 on page 81.

## **DELETE CAR**

This is for delation of car. See Figure 13 on page 82.

## **SHOW ALL ETAILS ABOUT CAR**

This is the report about cars.

## **ACCOUNTS**

This function is called when the user want to see all accounts details, see the balance, show expence accounts details, show employees transaction details , and income from rents. See Figure 14 on page 82.

## **SHOW ALL ACCOUNTS DETAILS**

It show the account details in a report form.

## **SHOW EMPLOYEE TRASACTION DETAILS**

The report will be shown in this function about employee transactions.

### **SHOW BALANCE**

It will show the current balance

### **SHOW INCOME FORM RENTS**

This is the report form income.

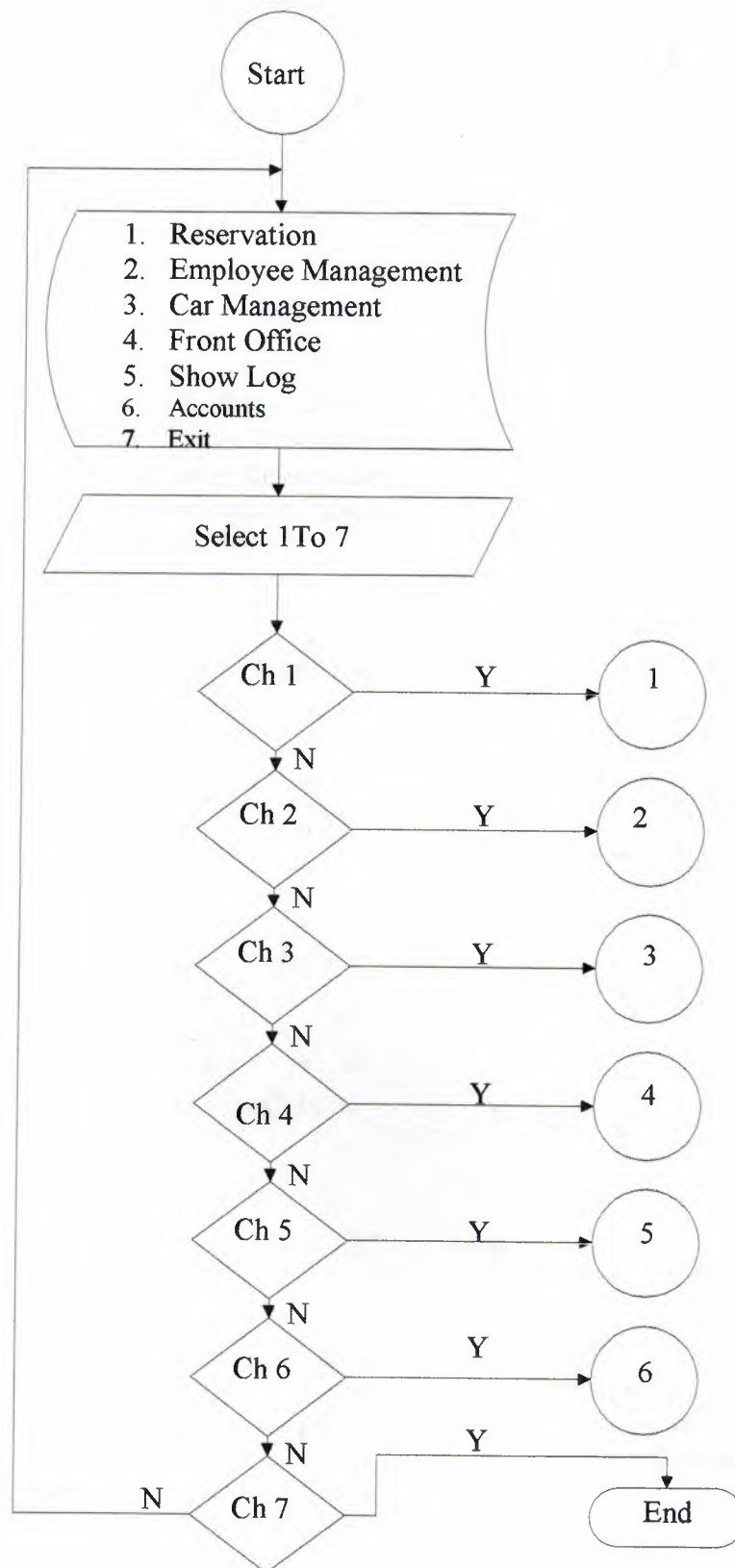
### **LOG FILE**

Is just a report about the information of customer.

## **6. LIST OF SUBPROGRAMS**

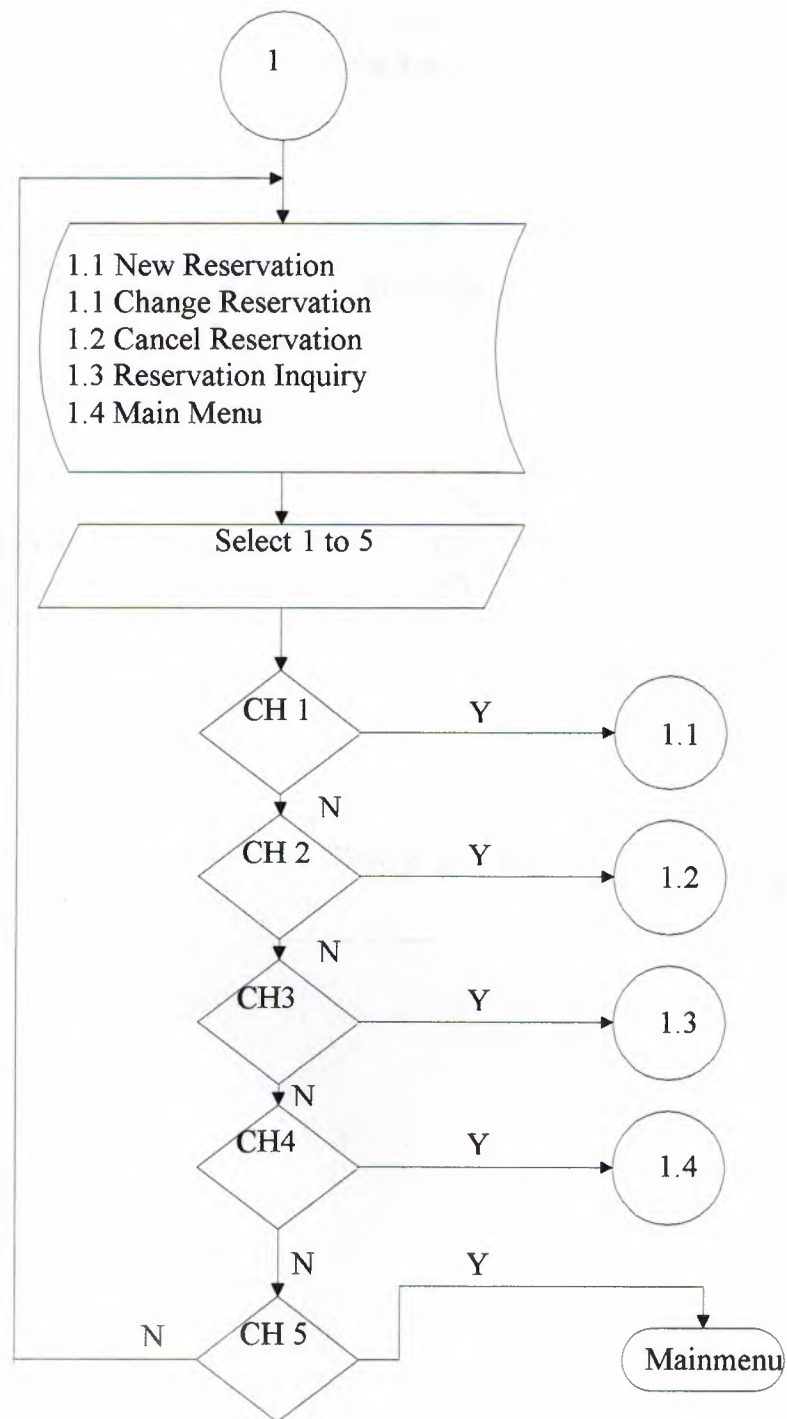
### **6.1 PROGRAM FLOW CHART**

### Main Menu Flow Chart

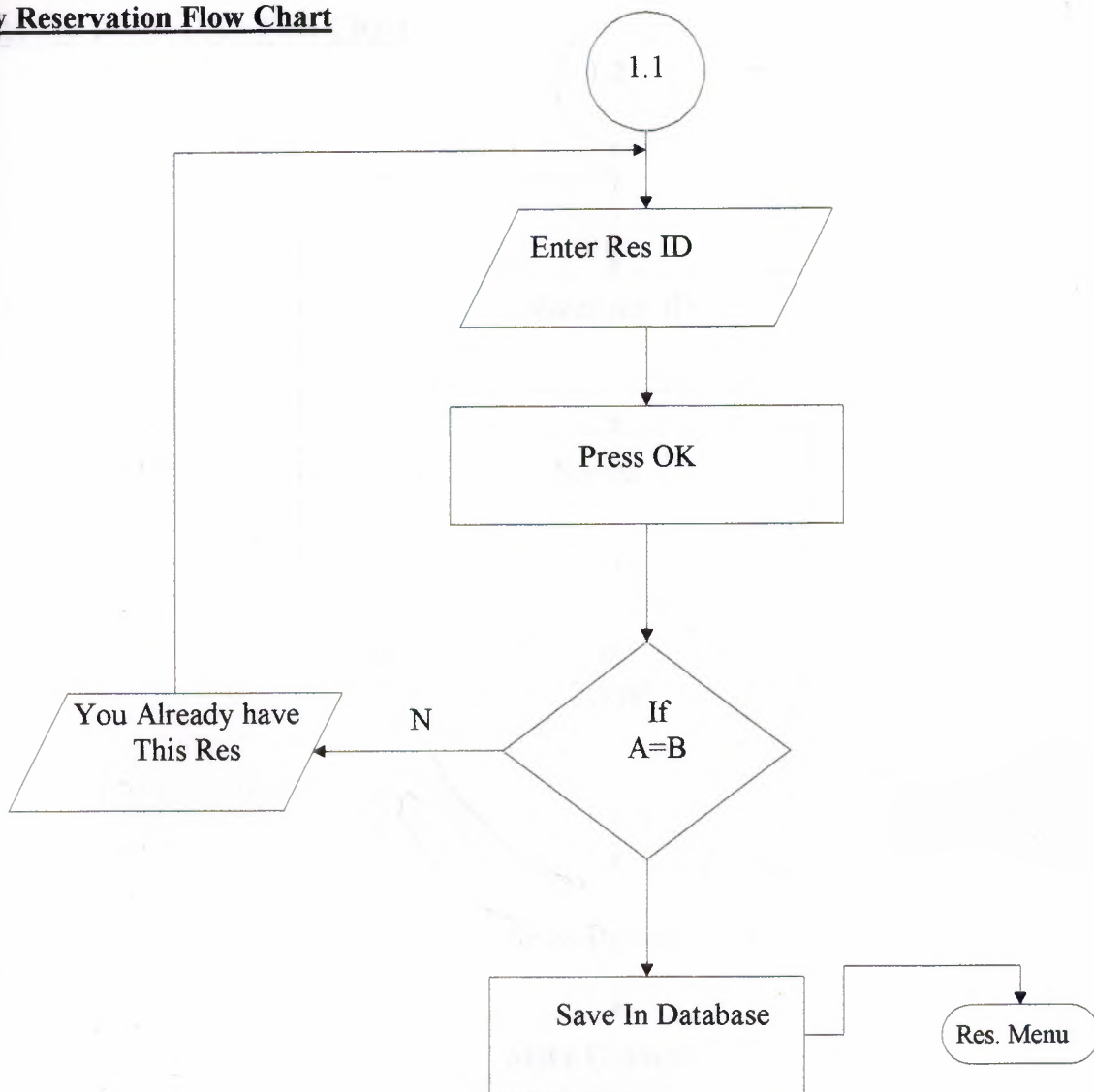




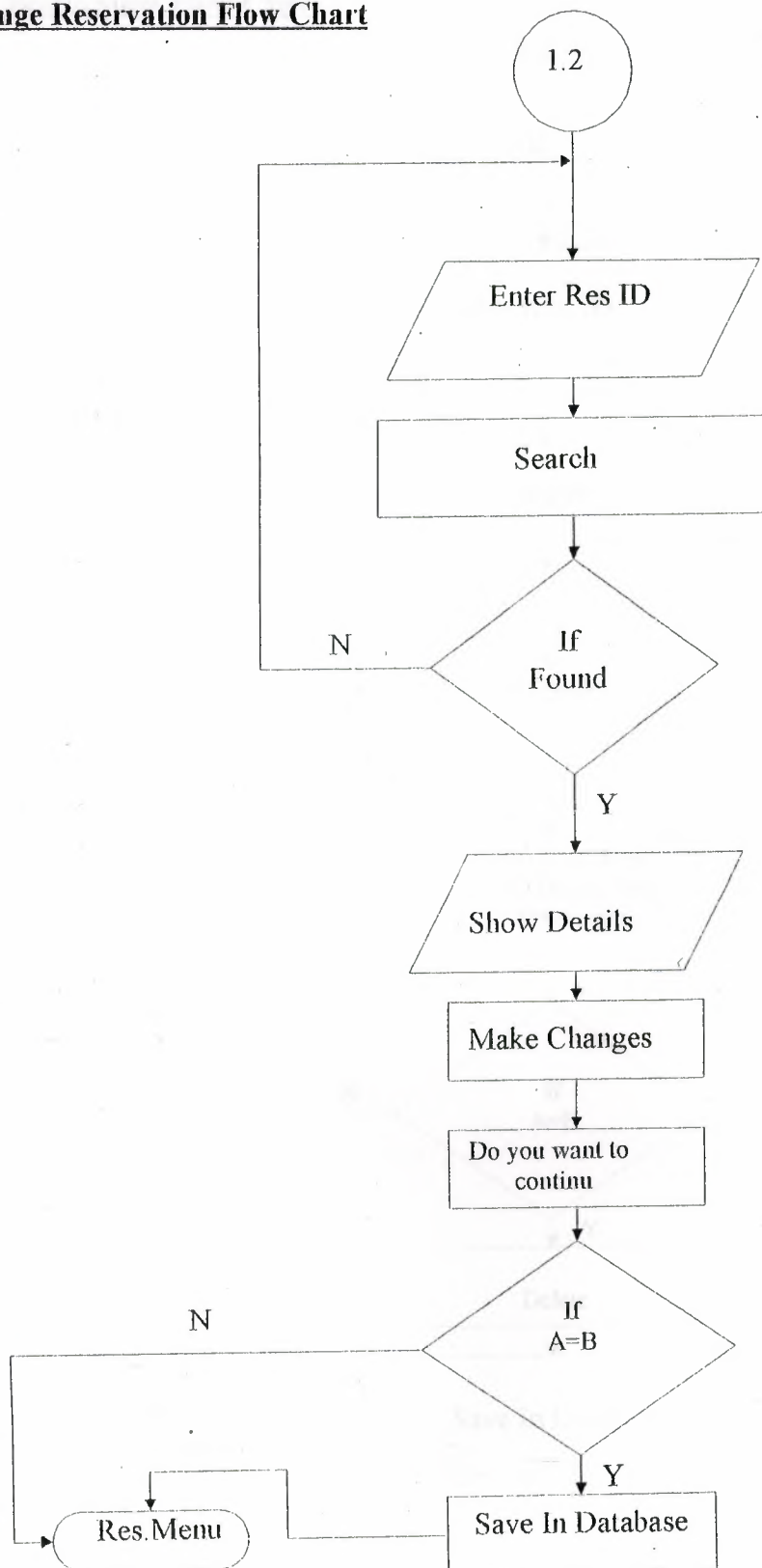
## 1. Reservation Sun-Menu Flow Chart



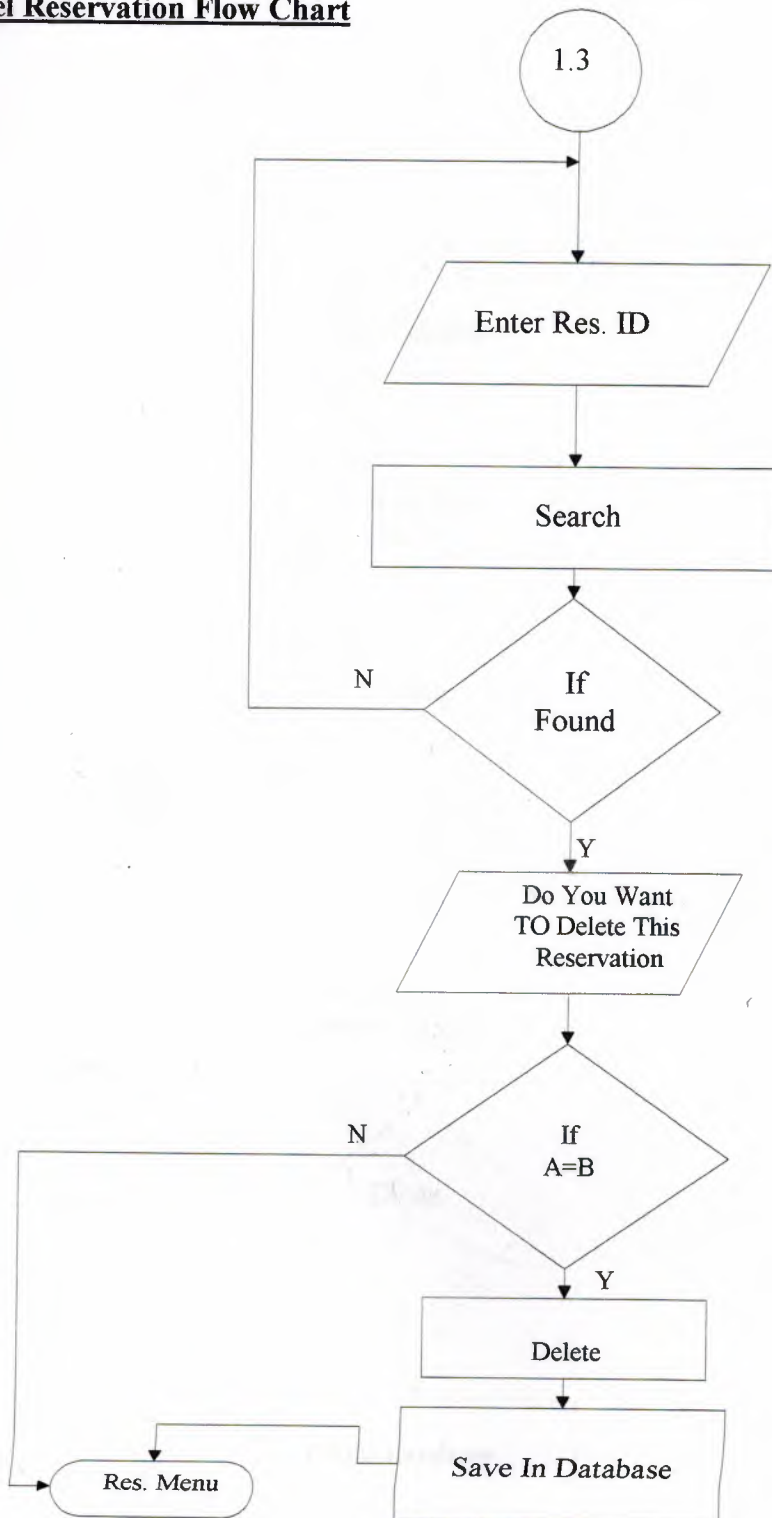
### 1.1 New Reservation Flow Chart



### 1.2 Change Reservation Flow Chart

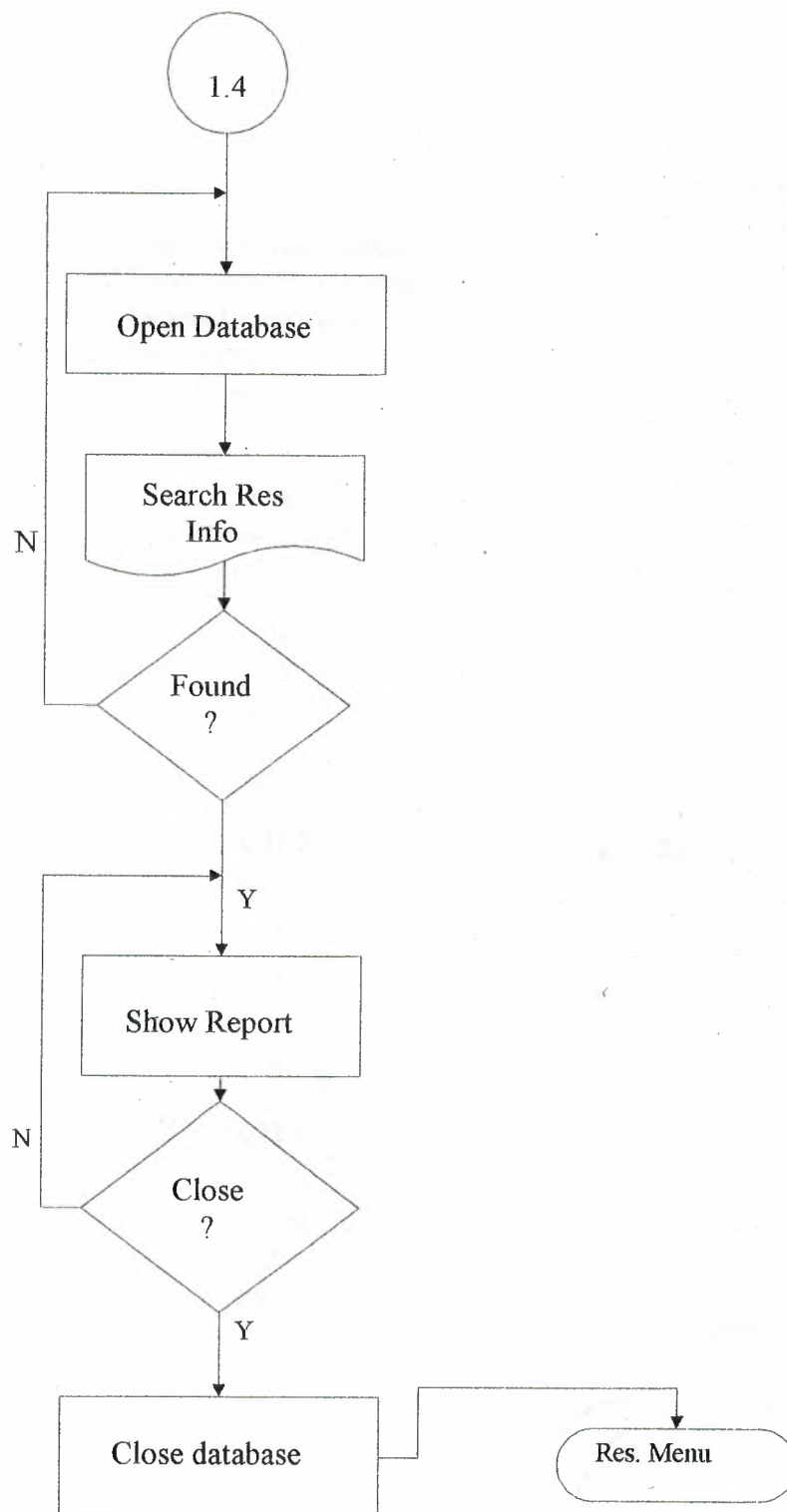


### 1.3 Cancel Reservation Flow Chart

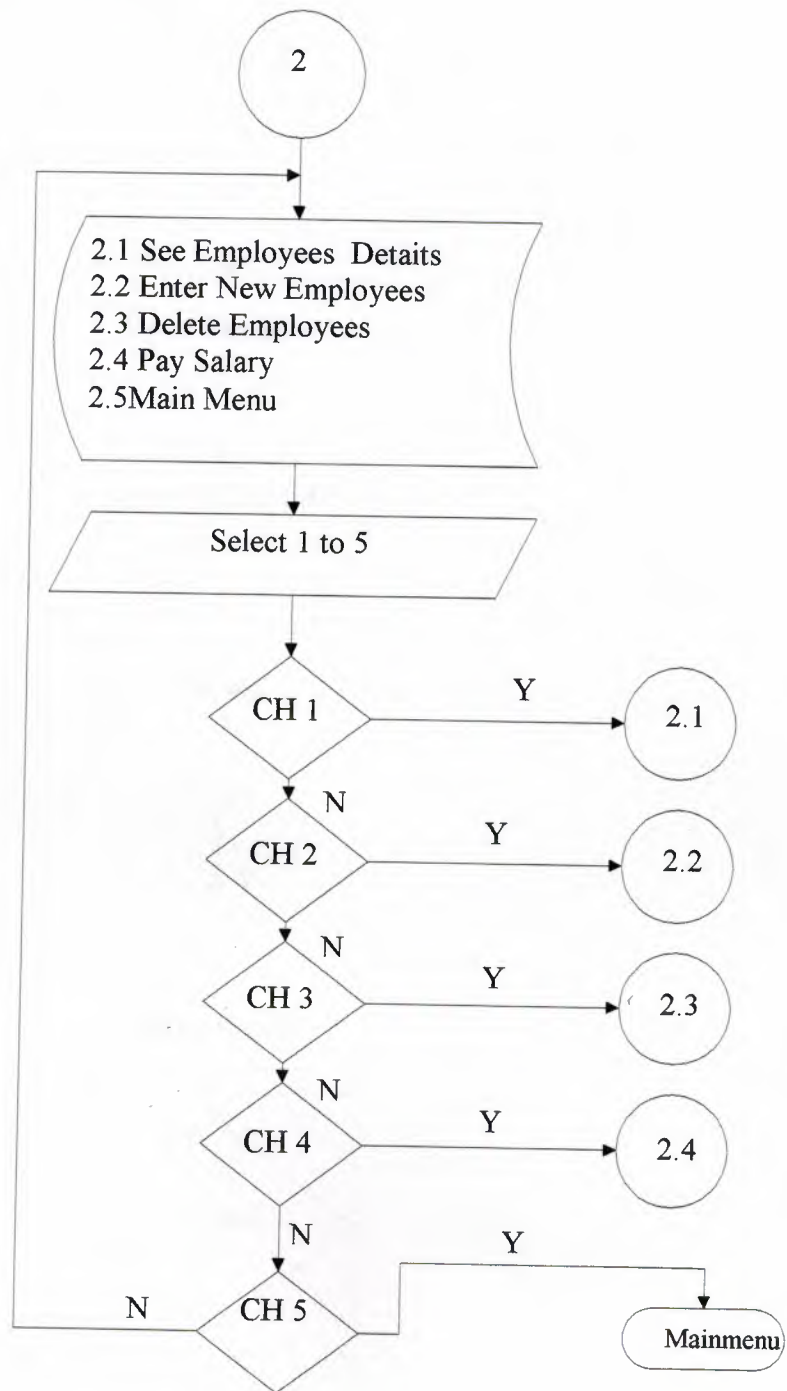




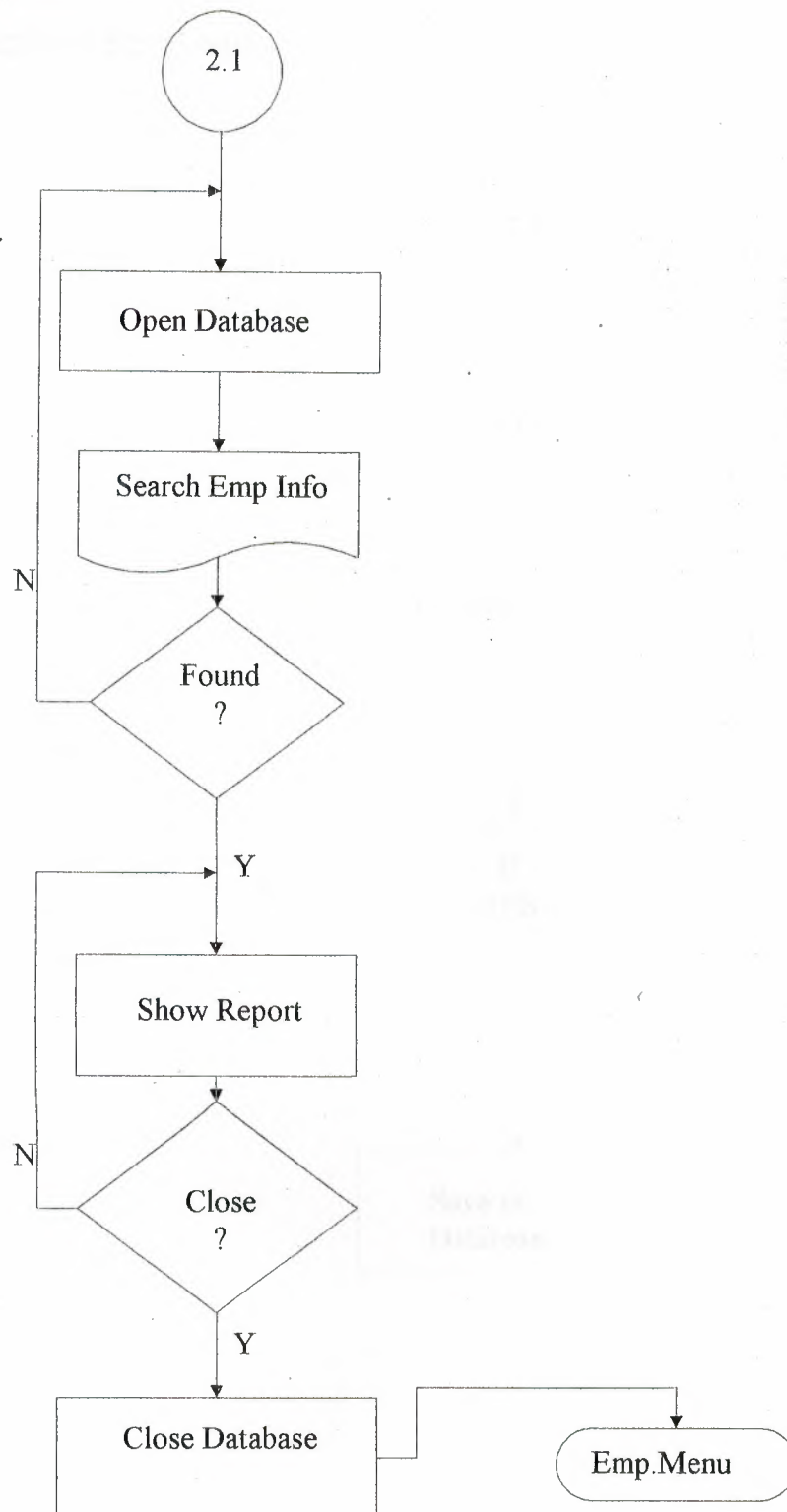
#### 1.4 Reservation Inquiry Flow Chart



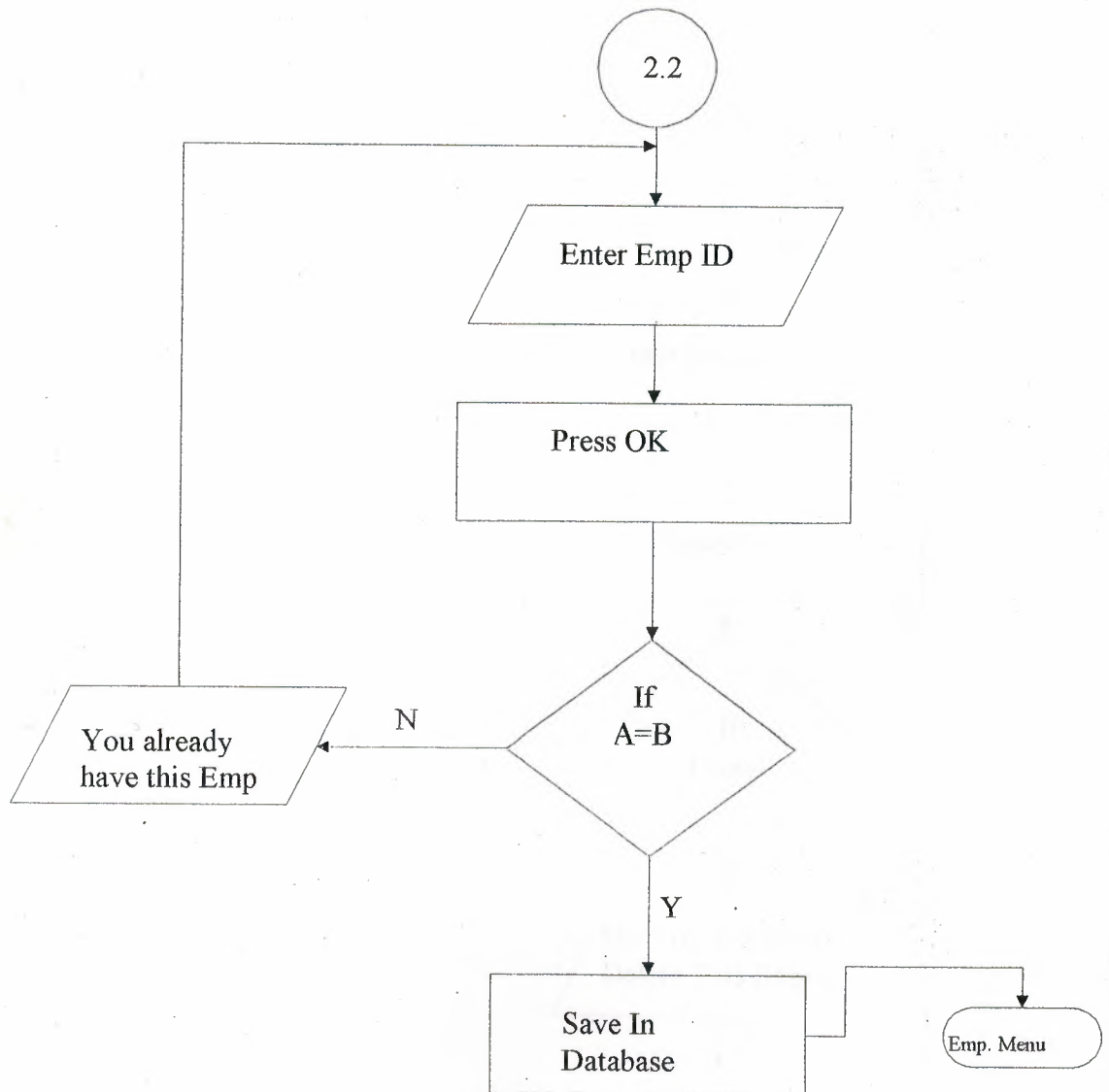
### Employee Management Sub-Menu Flow Chart



See Employees Details Flow Chart

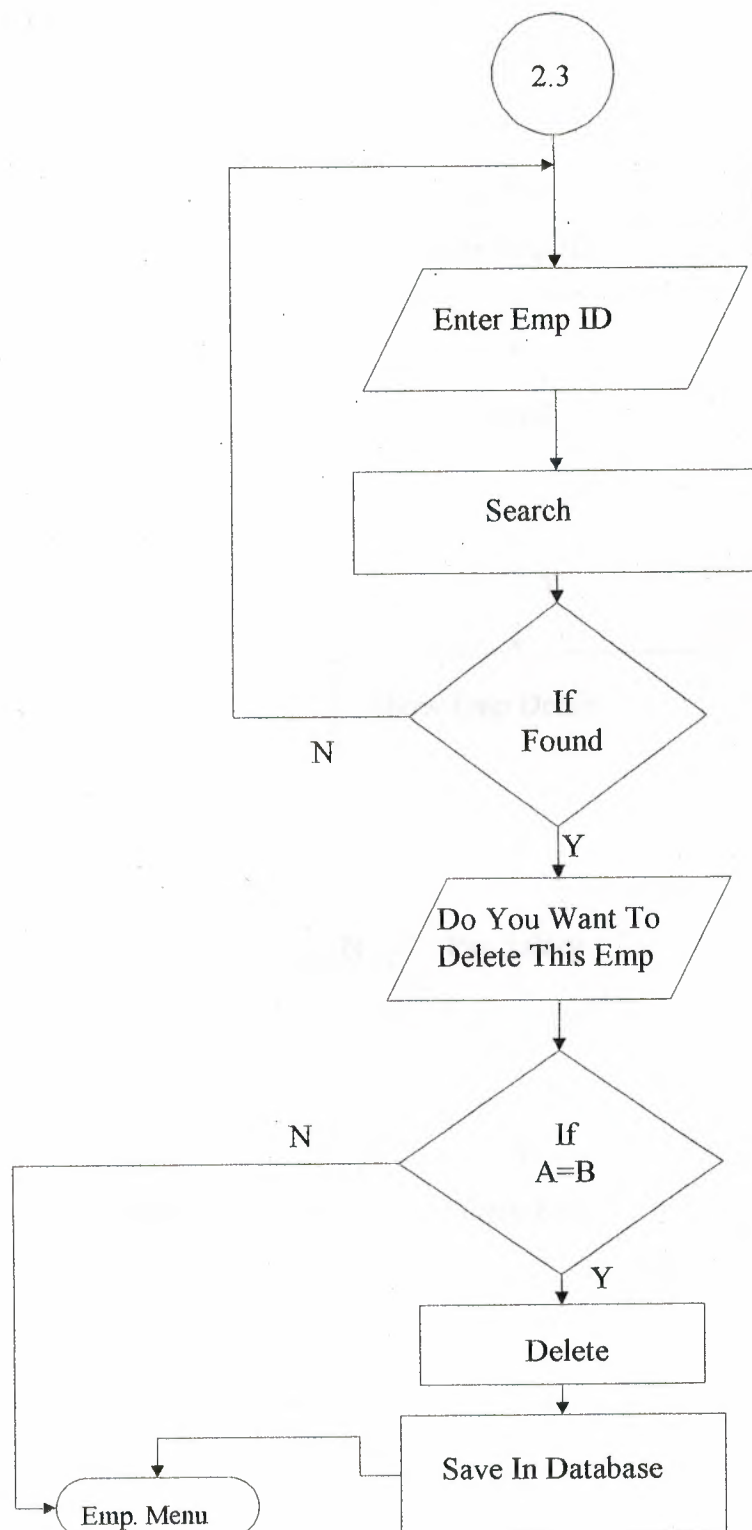


## 2.2 Nem Employee Flow Chart

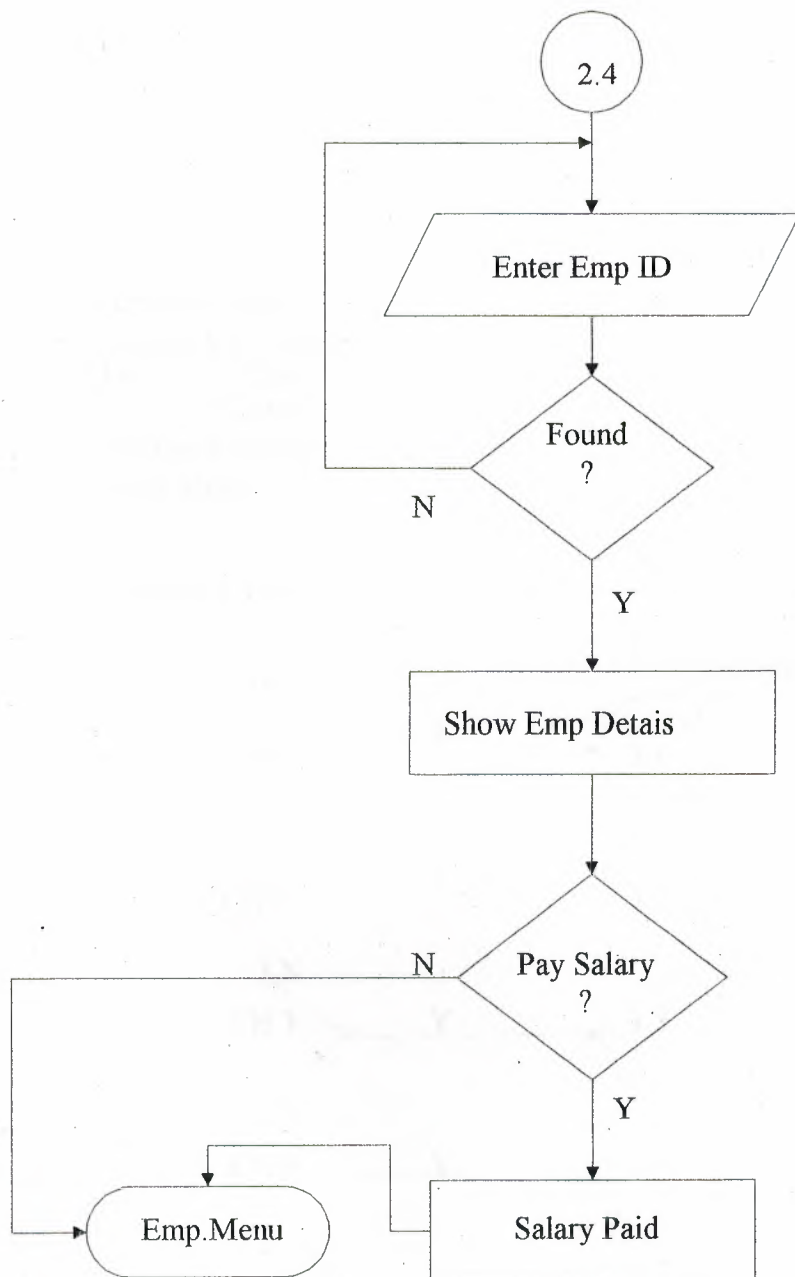




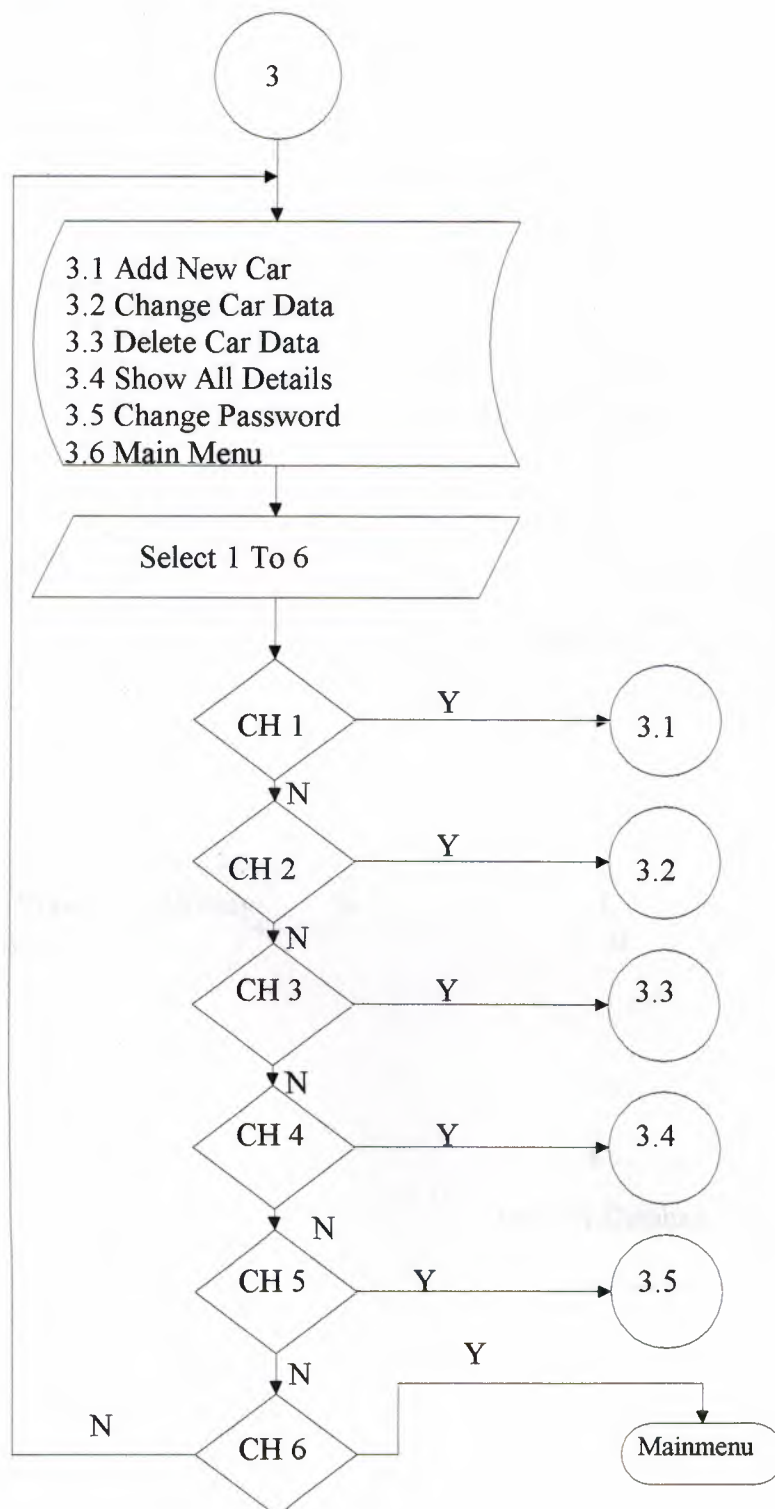
### 2.3 Delete Employee Flow Chart



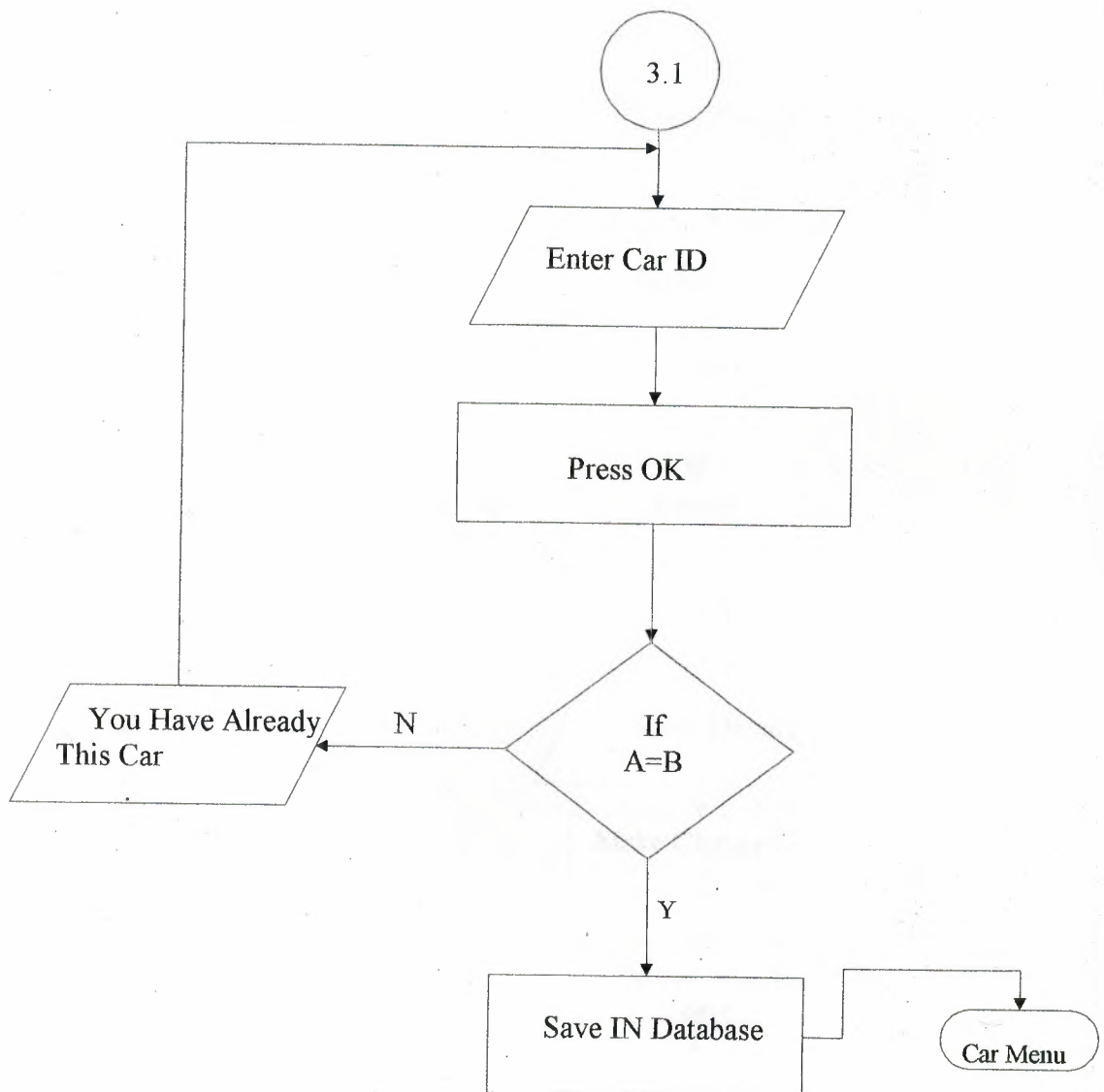
### Pay Salary Flow Chart



### 3. Car Management Sub-Menu Flow Chart

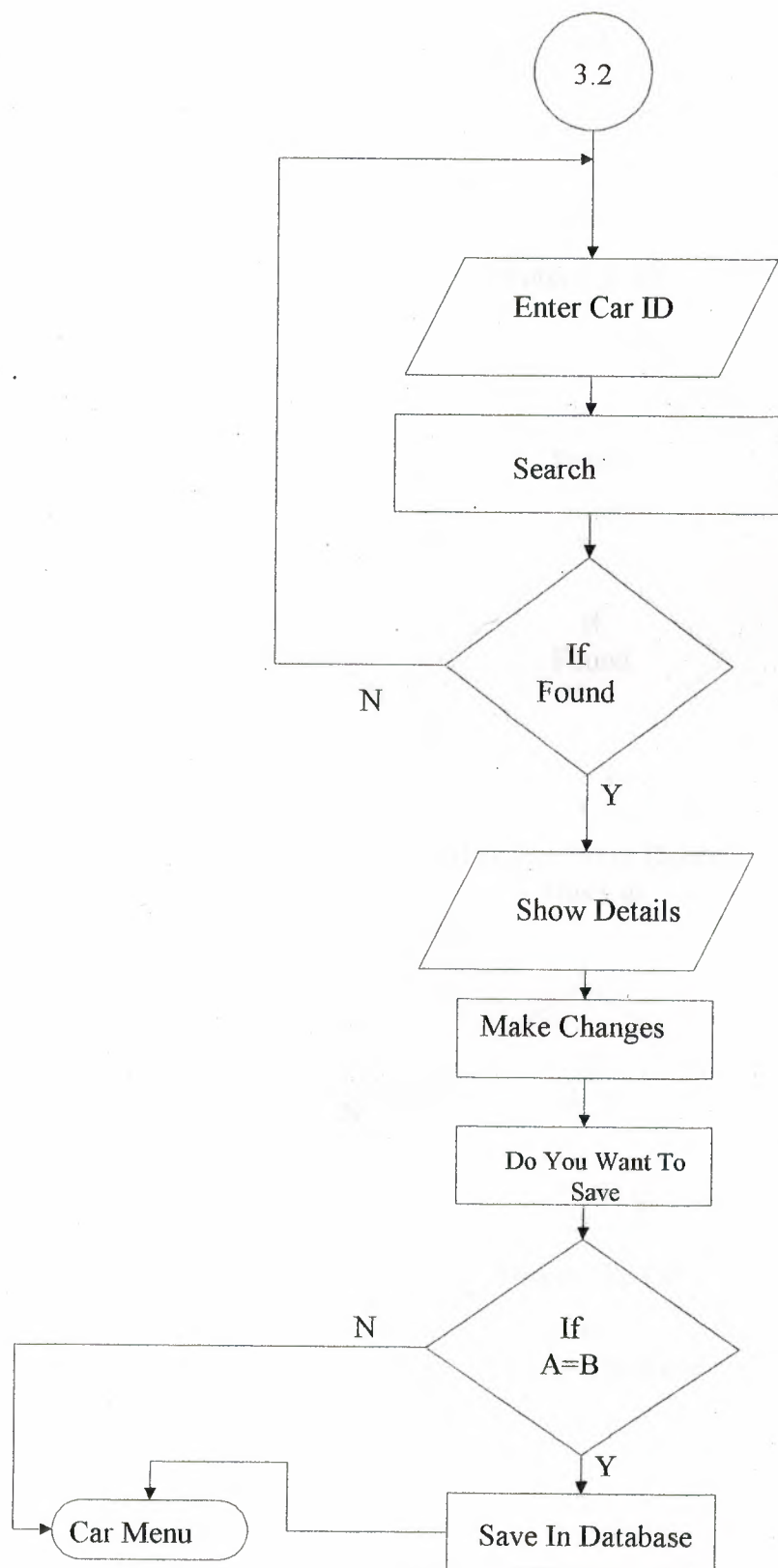


### 3.1 Add Car Flow Chart

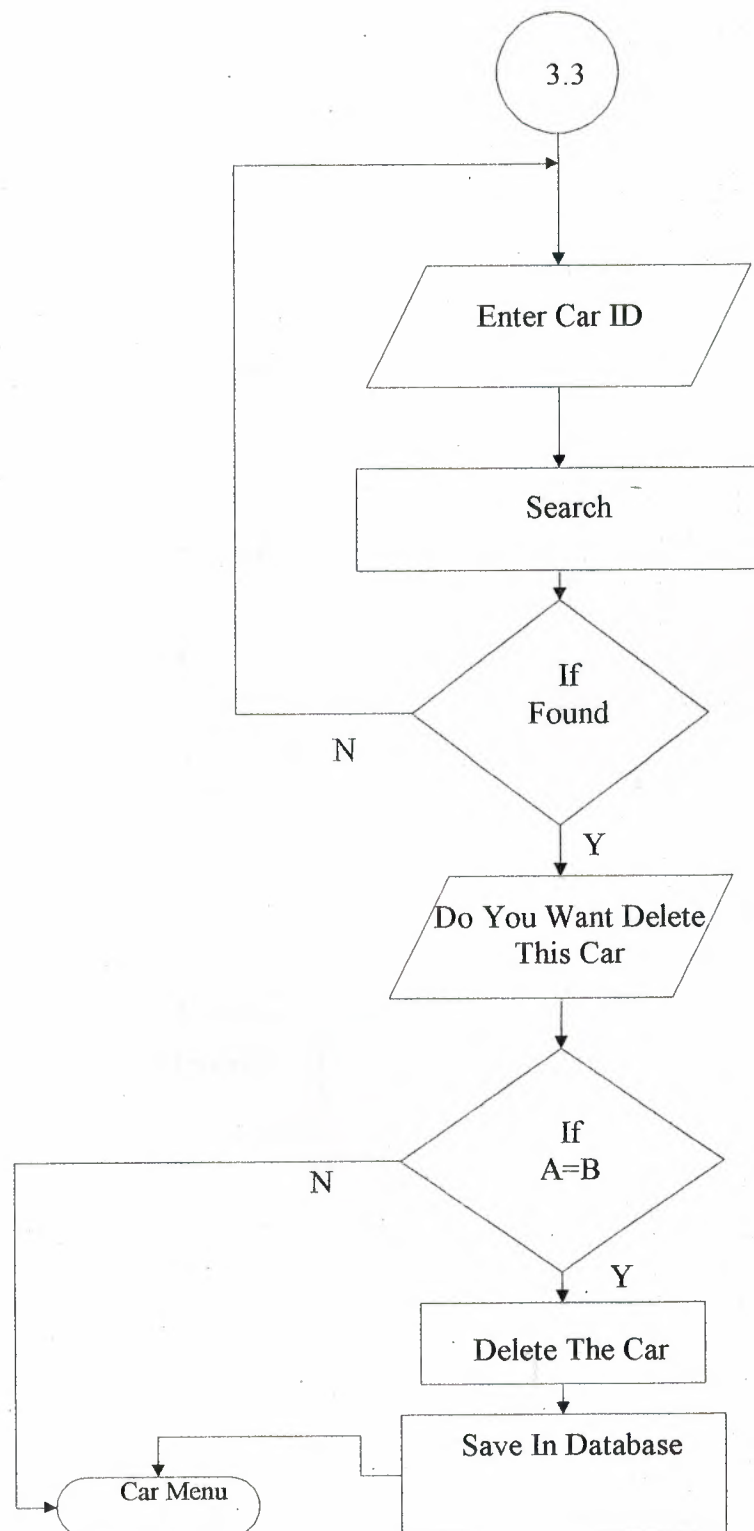




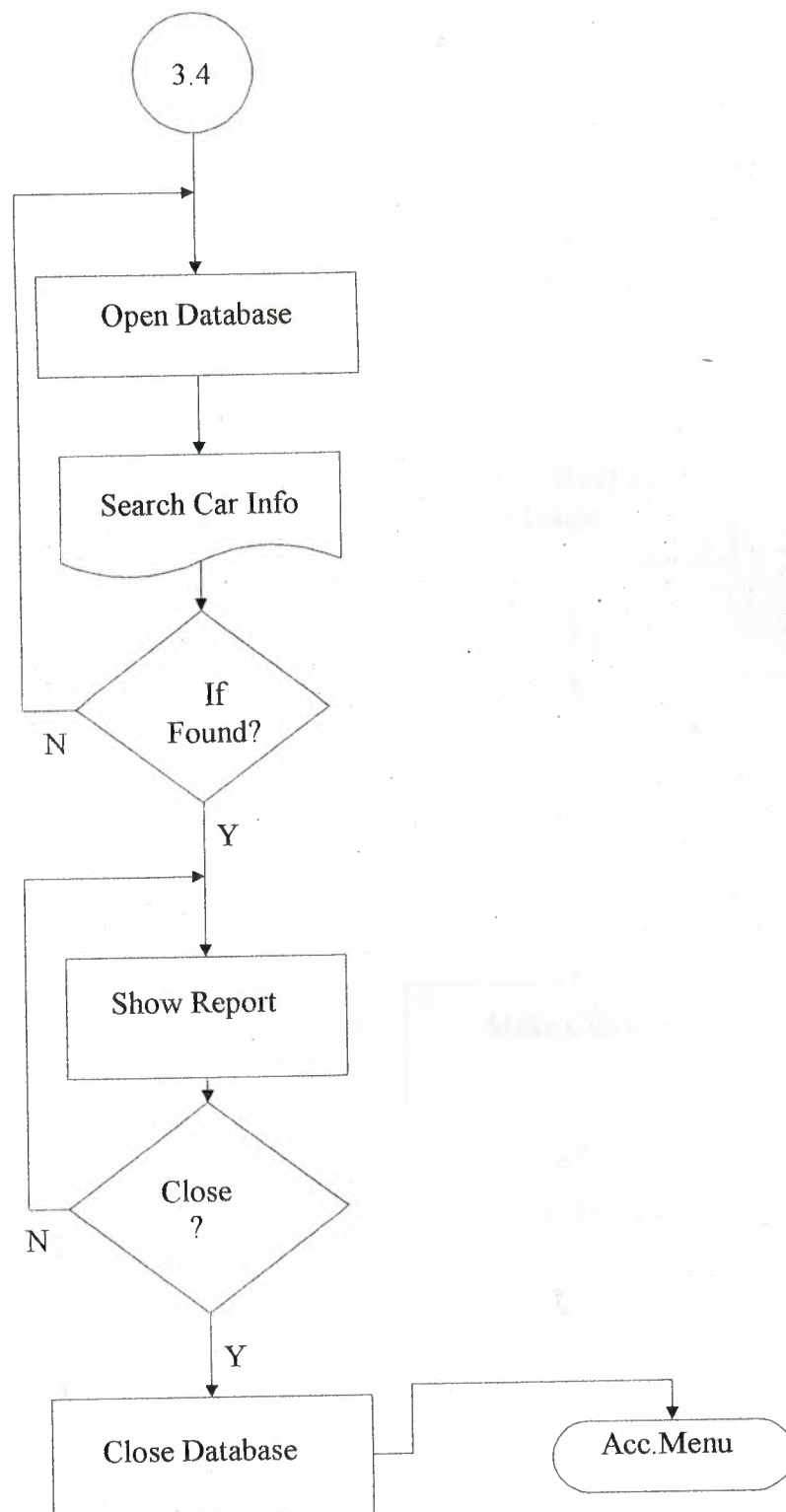
### 3.2 Change Car Data Flow Chart



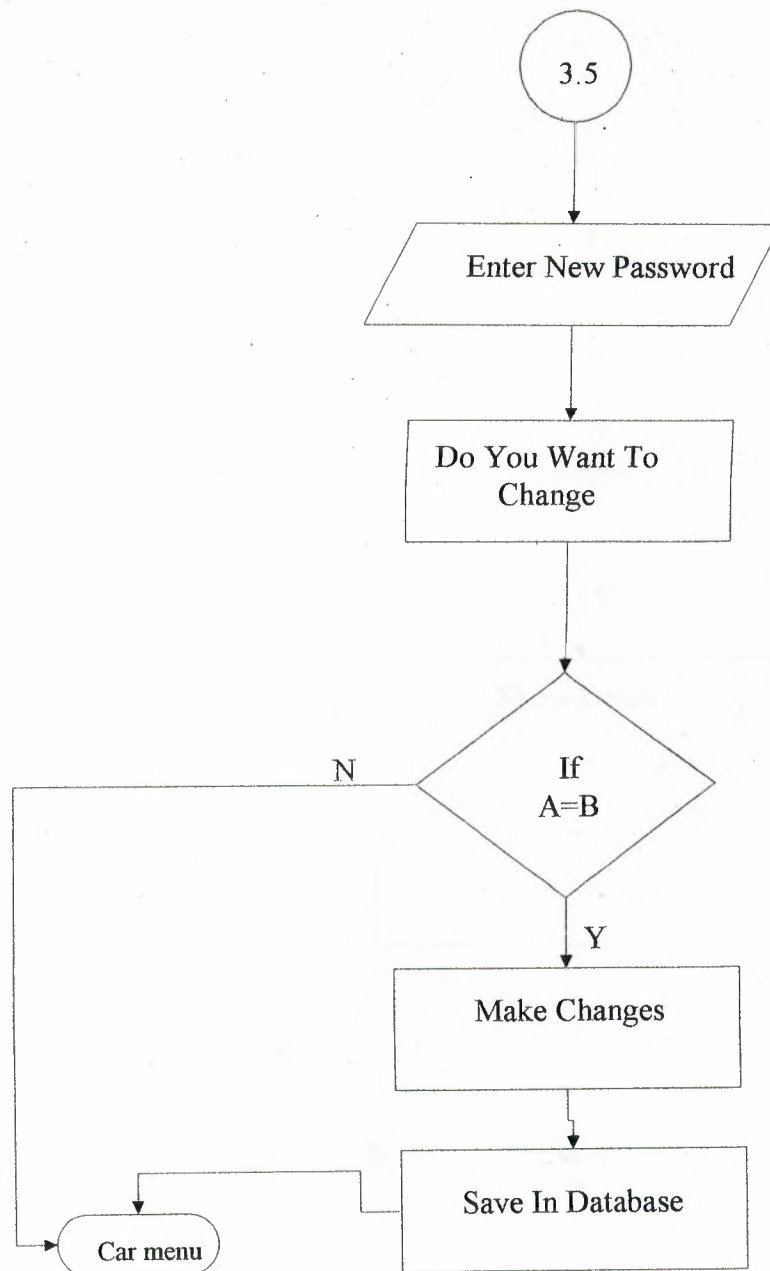
### 3.3 Delete Car Data Flow Chart



### 3.4 Show All Details Flow Chart

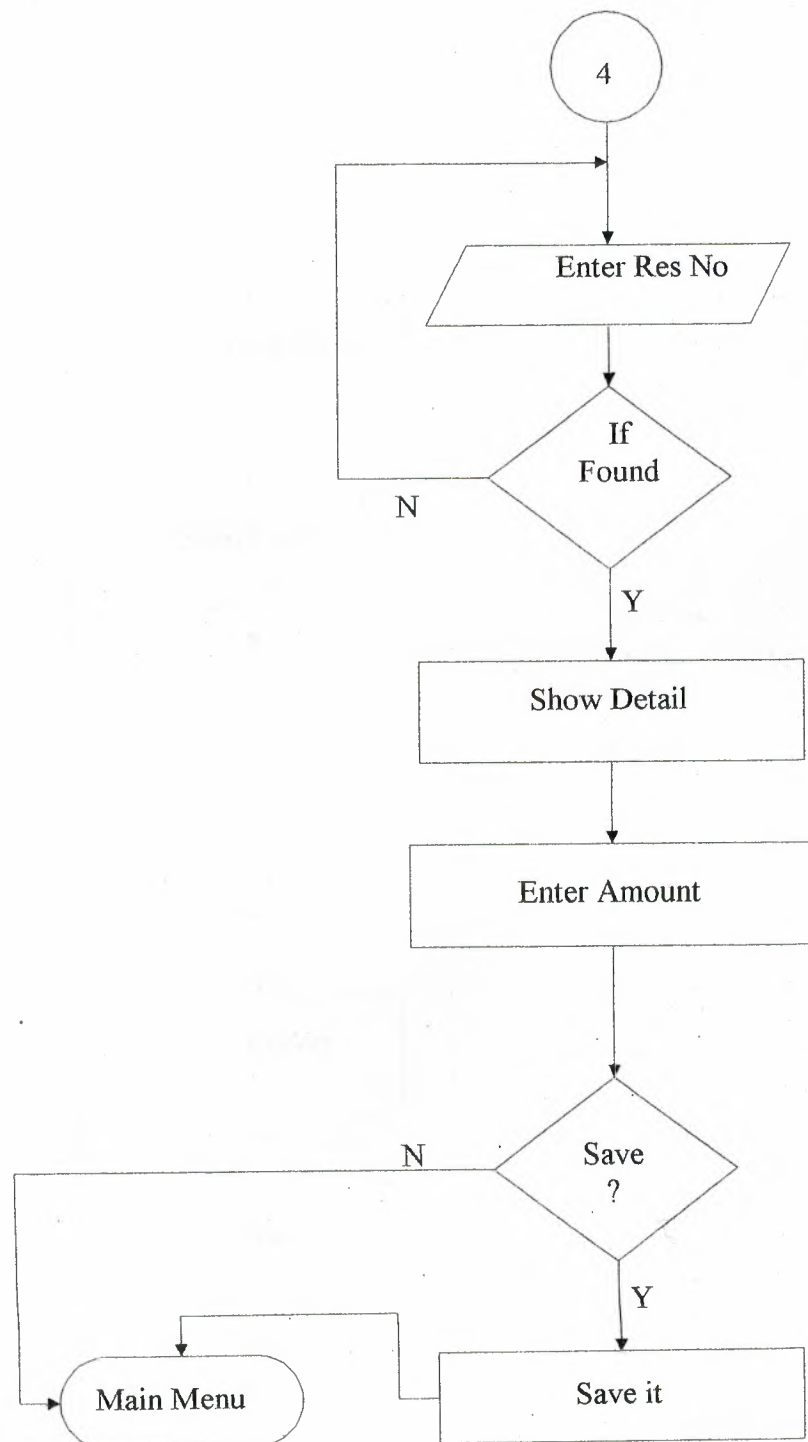


### 3.4 Change Password Flow Chart

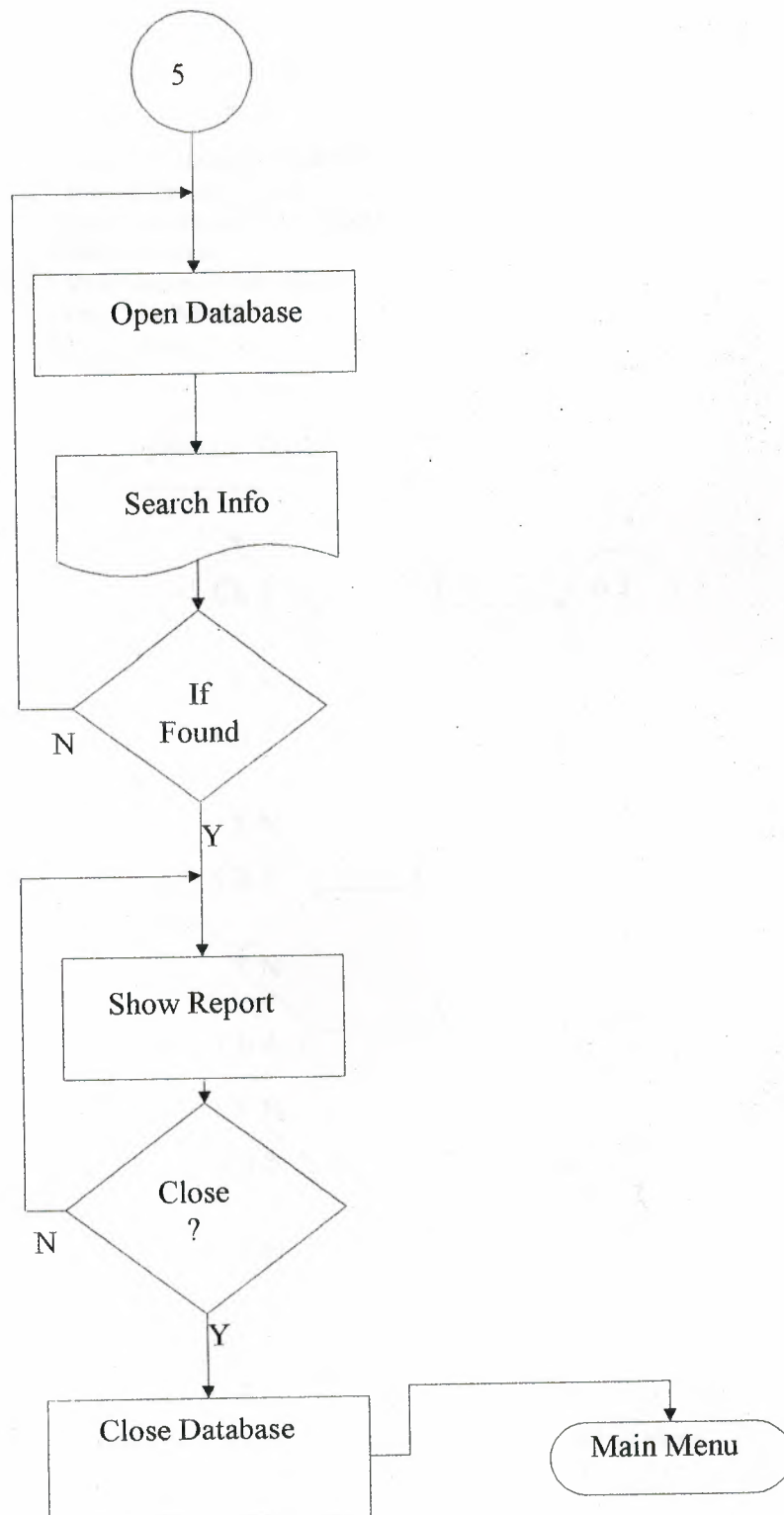




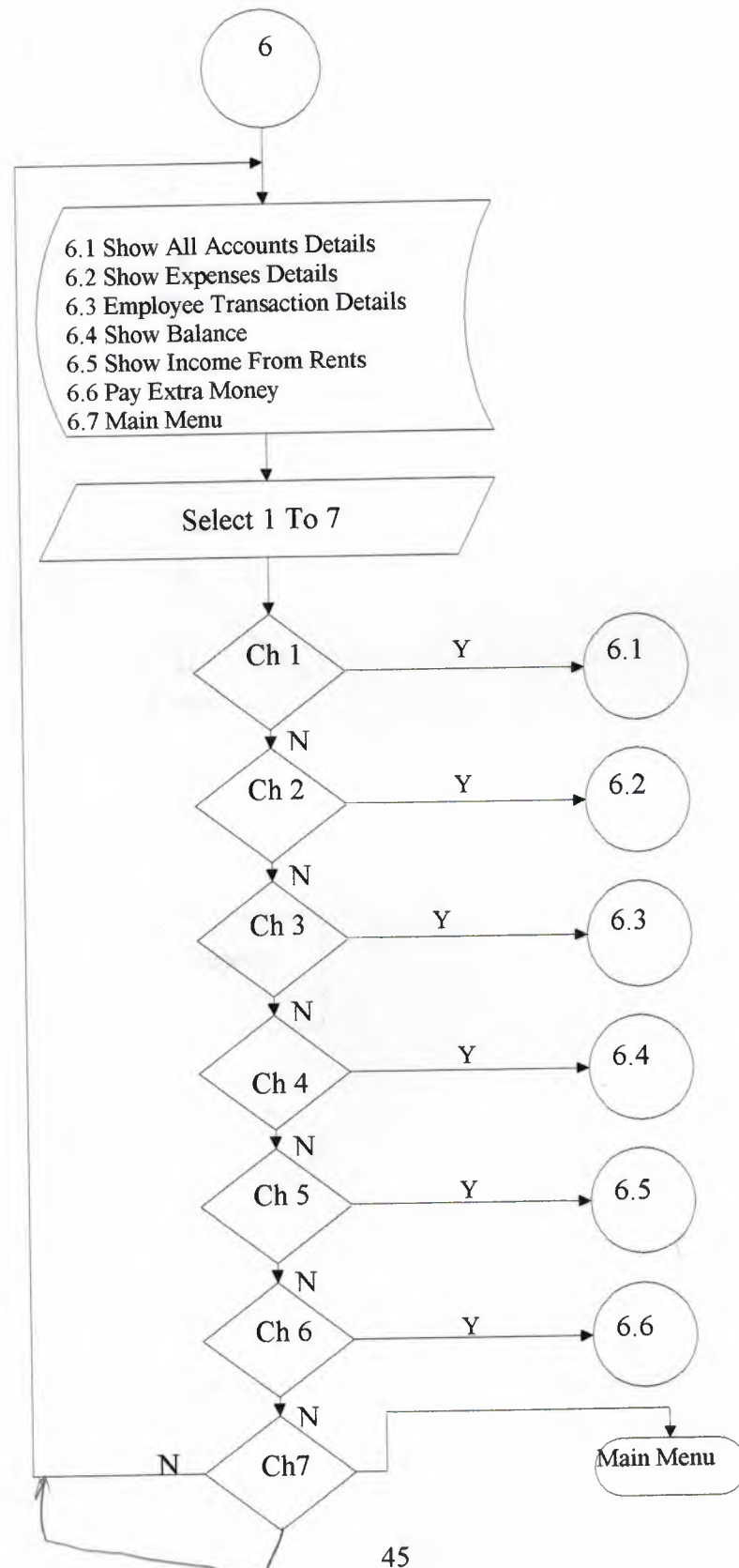
#### 4. Front Office Flow Chart



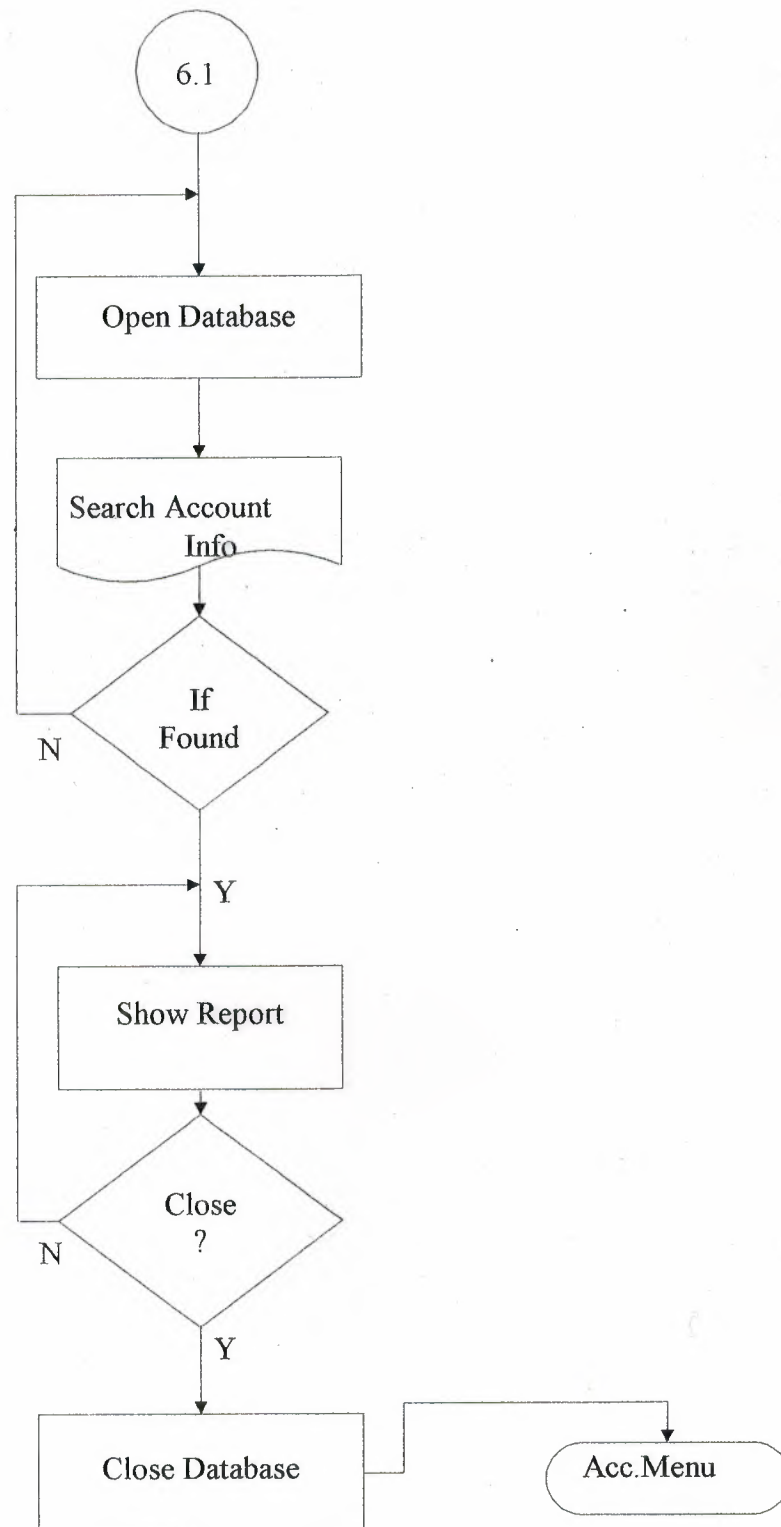
### 5.Show Log Flow Chart



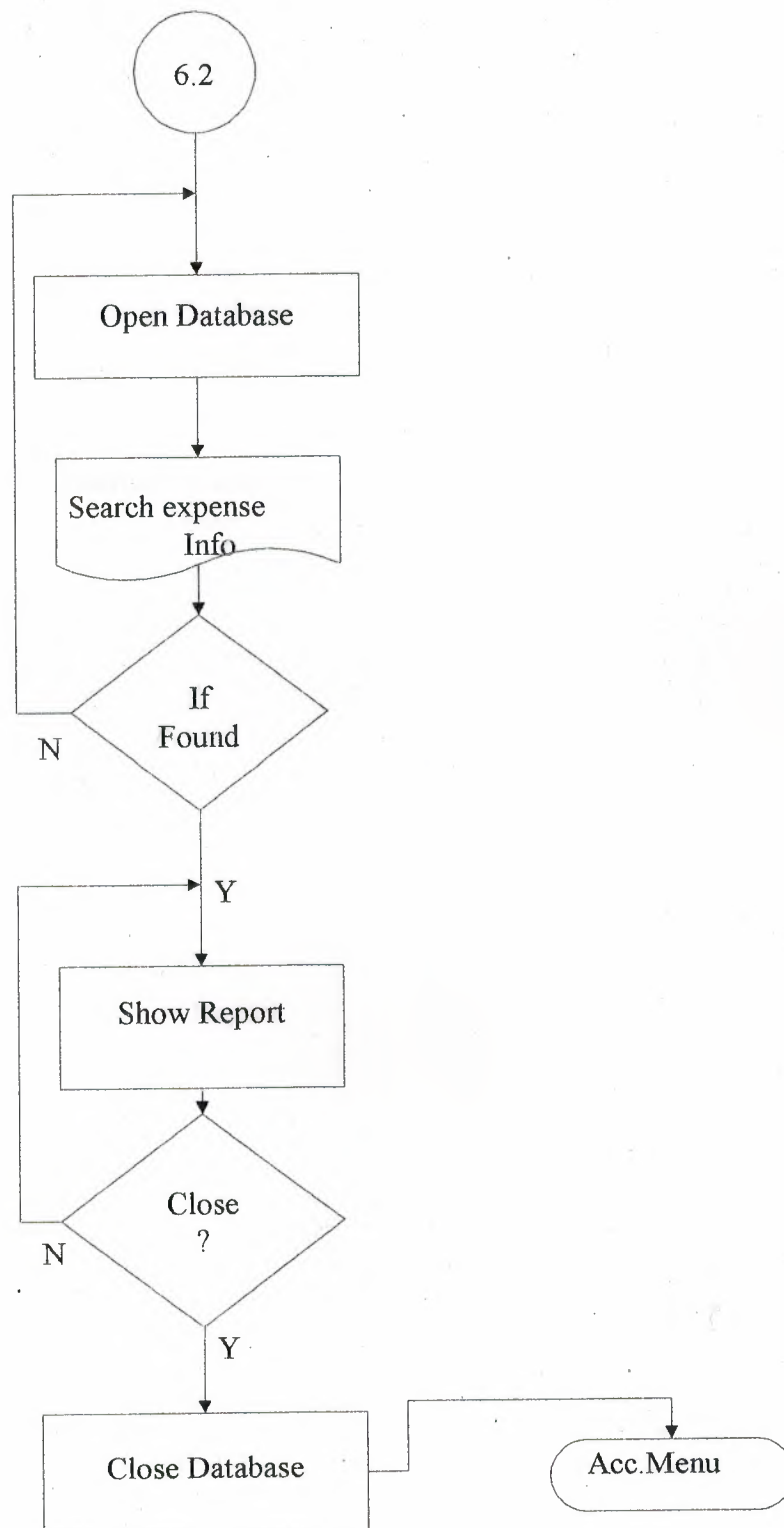
## 6. Accounts Sub-Menu Flow Chart



### 6.1 Show All Accounts Details

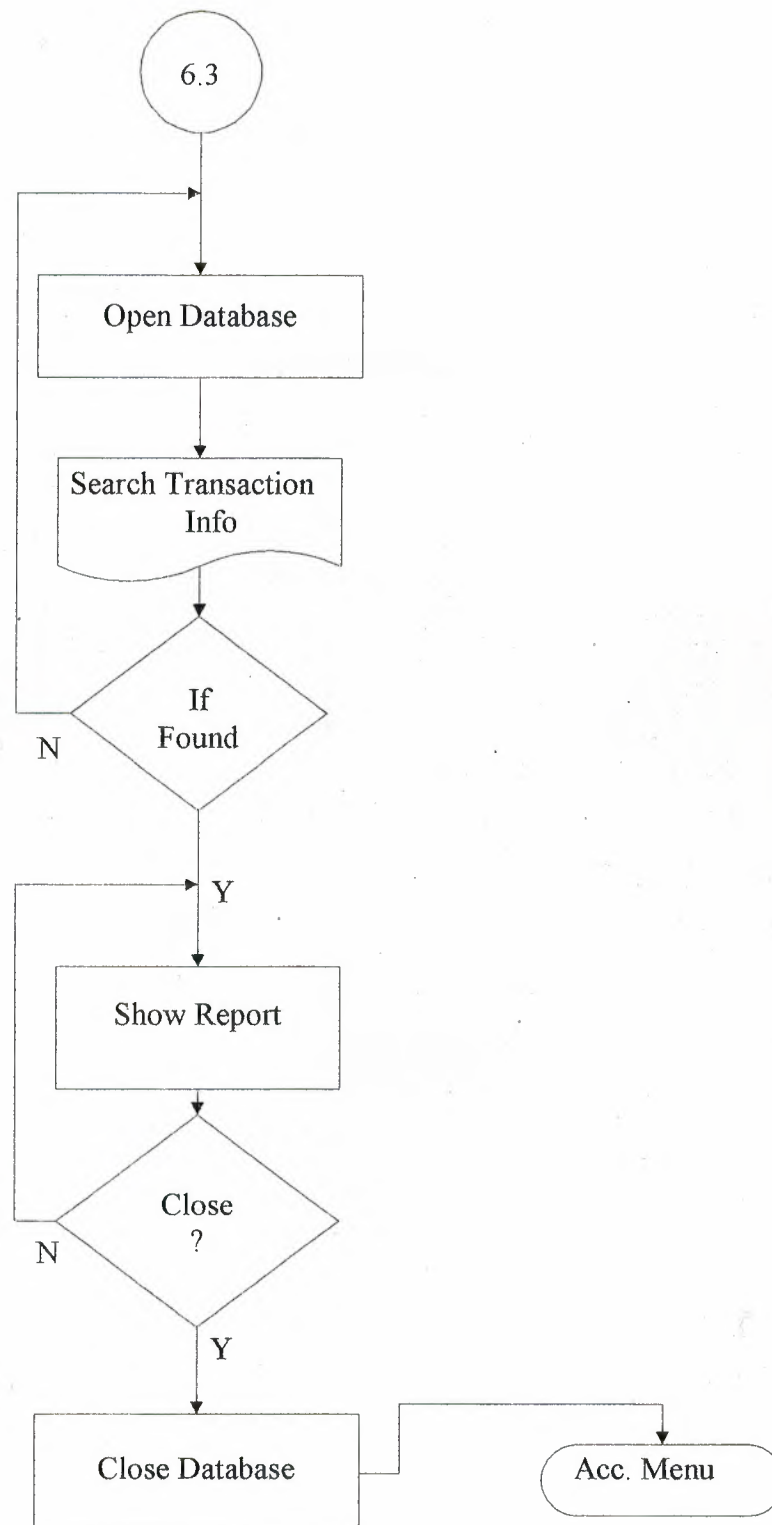


## 6.2 Show Expense Details Flow Chart

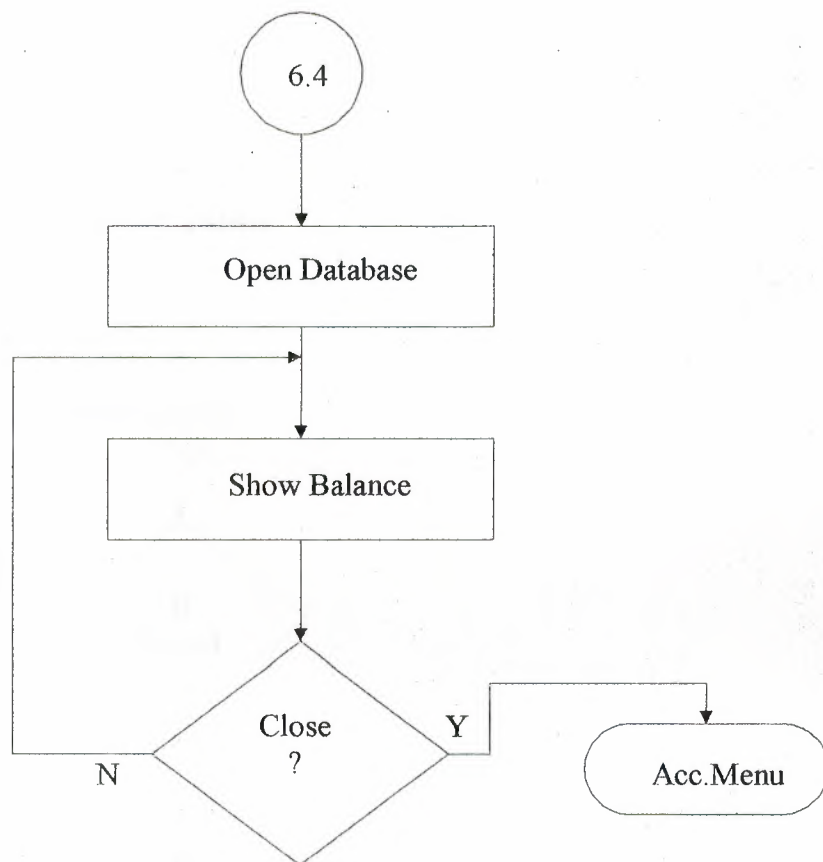




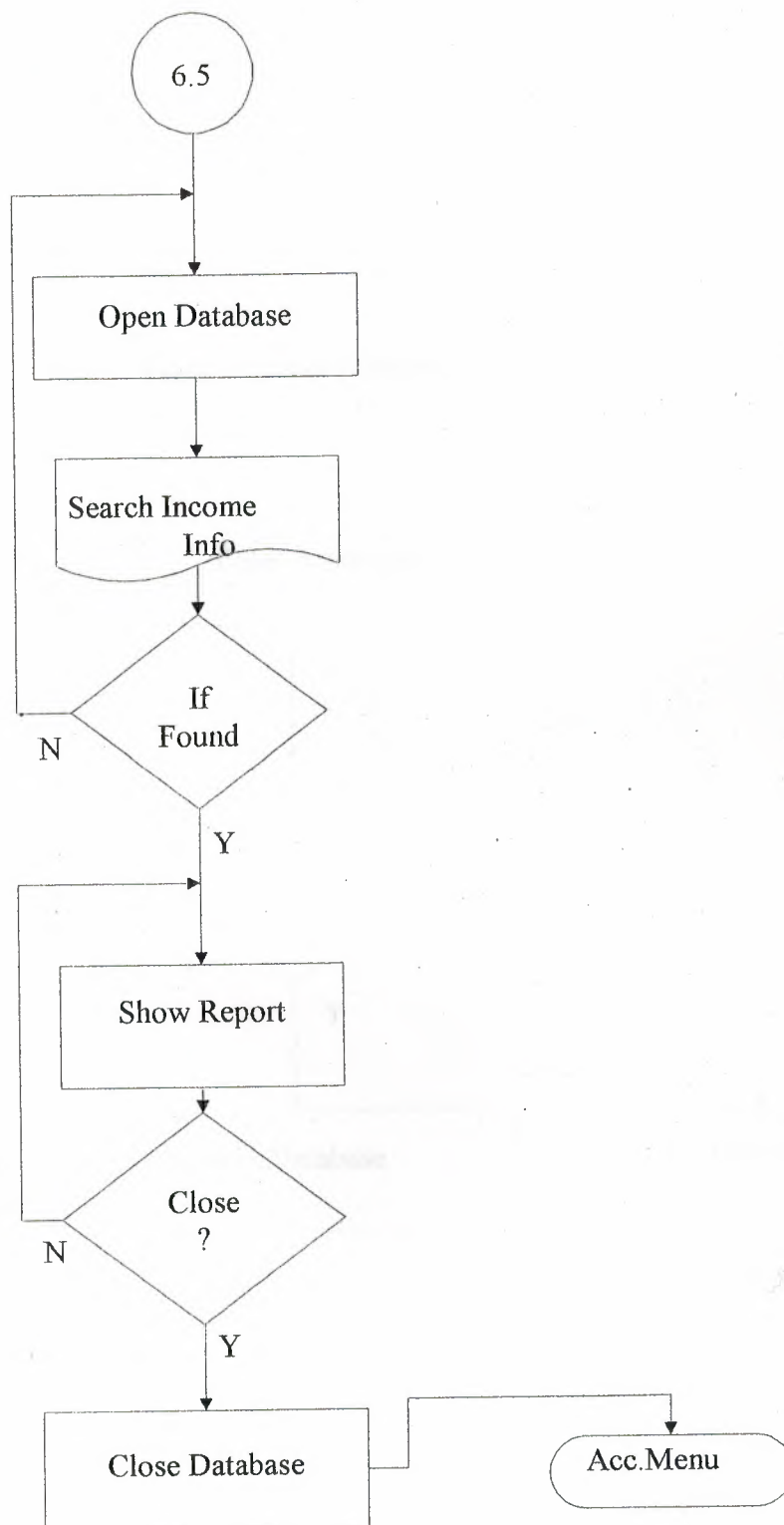
### 6.3 Show Employee Transaction Details Flow Chart



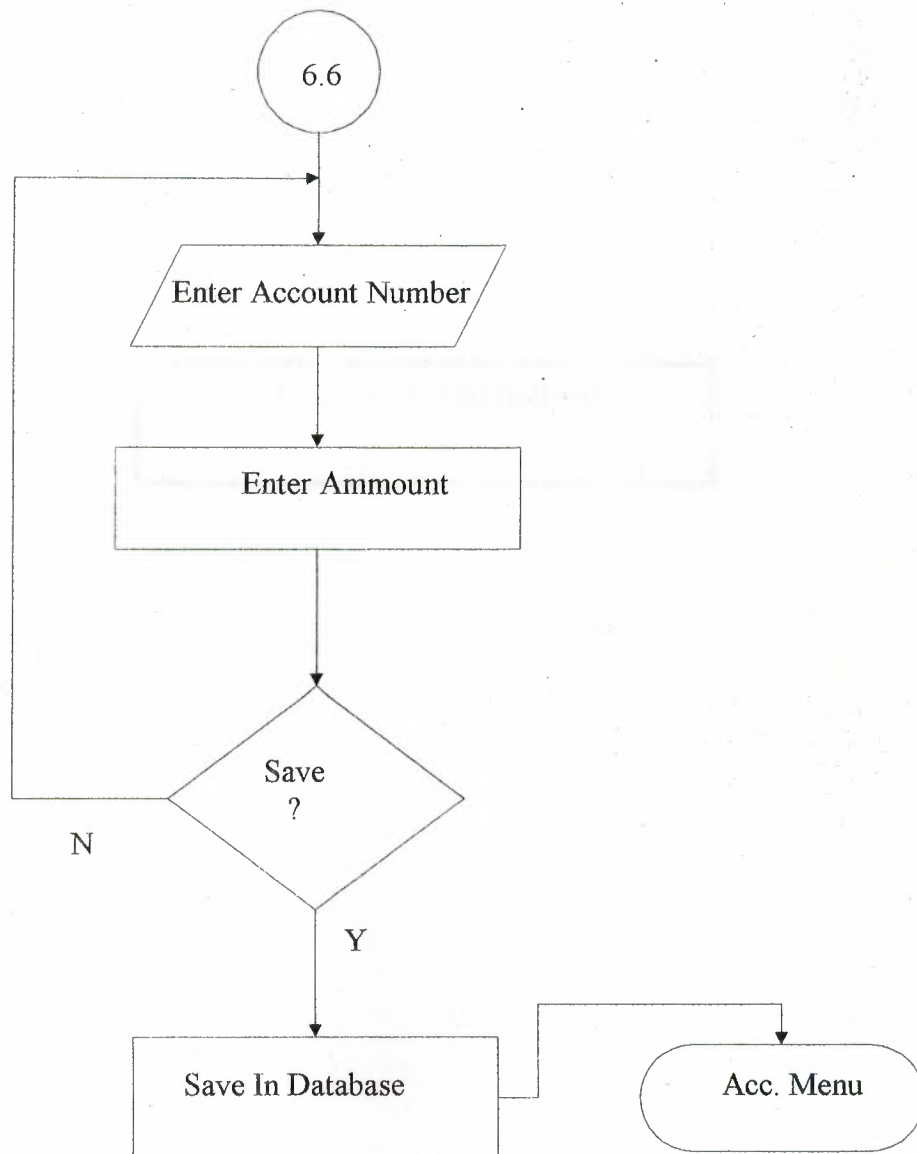
#### 6.4 Show Balance Flow Chart



### 6.5 Show Income Flow Chart



### 6.6 Pay Extra Money Flow Chart





## 6. LIST OF SUBPROGRAMS

### 6.2 SOURCE PROGRAM



## **START UP**

Dim ID

Dim i As Integer

Private Sub cmdCancel\_Click()

End

End Sub

Private Sub cmdLogin\_Click()

On Error Resume Next

If txtPass.Text = "" Then

    MsgBox "Enter Password.", vbInformation, "Login"

    txtPass.SetFocus

    Exit Sub

End If

If txtPass.Text <> "" And txtPass.Text = ID Then

    MsgBox "Login Successfully, Press OK.", vbInformation, "Login"

    frmMainMenu.Show

    Unload Me

Else

    MsgBox "Invalid ID, Retry.", vbCritical, "Login"

    txtPass.Text = ""

    txtPass.SetFocus

    i = i + 1

        If i = 3 Then

            MsgBox "System halted", vbCritical, "Halted"

        End

    End If

End If

End Sub

Private Sub Form\_Load()

On Error Resume Next

ID = frmMainMenu.Adodc1.Recordset.Fields("Password").Value

txtPass.Text = ""

End Sub

## **MAIN MENU SOURCE CODE**

Private Sub cmdAccounts\_Click()

frmAccounts.Show

Unload Me

End Sub

```
Private Sub cmdEmployeeManagement_Click()  
frmEmployeeManagement.Show  
Unload Me  
End Sub
```

```
Private Sub cmdExit_Click()  
End  
End Sub
```

```
Private Sub cmdFrontOffice_Click()  
frmFrontOffice.Show  
Unload Me  
End Sub
```

```
Private Sub cmdlog_Click()  
ViewLogFile.Show  
End Sub
```

```
Private Sub cmdReservation_Click()  
frmReservation.Show  
Unload Me  
End Sub
```

```
Private Sub cmdSetup_Click()  
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub Form_Load()
```

```
Me.Height = Screen.Height  
Me.Width = Screen.Width
```

```
End Sub
```

#### **RESERVATION MAIN MENU**

```
Private Sub cmdAdvanceReservation_Click()  
frmAdvanceReservation.Show  
Unload Me  
End Sub
```

```
Private Sub cmdChangingReservation_Click()  
frmChangeReservation.Show  
Unload Me  
End Sub
```

```
Private Sub cmdMainMenu_Click()  
frmMainMenu.Show  
Unload Me  
End Sub
```

```
Private Sub cmdReservationCancellation_Click()  
frmCancelReservation.Show  
Unload Me  
End Sub
```

```
Private Sub cmdResInq_Click()  
rptResInq.Show  
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width  
End Sub
```

### **EMPLOYEE MANAGEMENT**

```
Private Sub cmdDelete_Click()  
frmDeleteEmp.Show  
Unload Me  
End Sub
```

```
Private Sub cmdEnterNewEmpData_Click()  
frmNewEmp.Show  
Unload Me  
End Sub
```

```
Private Sub cmdMainMenu_Click()  
frmMainMenu.Show  
Unload Me  
End Sub
```

```
Private Sub cmdPayMonthlySalary_Click()  
frmPaySalary.Show  
Unload Me  
End Sub
```

```
Private Sub cmdSeeEmployeeDetails_Click()  
frmEmpDetails.Show  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width  
End Sub
```

### **FRONT OFFICE**

```
Private Sub cmdMainMenu_Click()  
frmMainMenu.Show  
Unload Me  
End Sub
```



```
Private Sub cmdOK_Click()  
On Error Resume Next
```

```
If txtSearch.Text = "" Then  
MsgBox "Enter the Reservation Number...", vbInformation  
txtSearch.SetFocus  
Else  
frmAdvanceReservation.Adodc1.Recordset.Filter = "(" & Text1.Text & " like " &  
Trim(txtSearch.Text) & ")"
```

```
If frmAdvanceReservation.Adodc1.Recordset.RecordCount = 0 Then  
MsgBox "Invalid Reservation Number", vbCritical  
frmAdvanceReservation.Adodc1.Recordset.Filter = ""  
txtSearch.SetFocus  
txtSearch.Text = ""  
ElseIf txtSearch.Text <> "" Then  
    frmAdvanceReservation.Show  
    Unload Me  
    'display data on advance reservation form  
    frmAdvanceReservation.txtResNo.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResNo").Value  
    frmAdvanceReservation.txtResCarNo.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResCarNo").Value  
    frmAdvanceReservation.txtResName.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResName").Value  
    frmAdvanceReservation.txtResSurname.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResSurname").Value  
    frmAdvanceReservation.txtResSex.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResSex").Value  
    frmAdvanceReservation.txtResPhone.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResPhone").Value  
    frmAdvanceReservation.txtResDate.Text =  
    frmAdvanceReservation.Adodc1.Recordset.Fields("ResDate").Value
```

```
frmAdvanceReservation.Caption = "Front Office"
```

```
frmAdvanceReservation.txtResNo.Visible = True  
frmAdvanceReservation.txtResCarNo.Visible = True  
frmAdvanceReservation.txtResName.Visible = True  
frmAdvanceReservation.txtResSurname.Visible = True  
frmAdvanceReservation.txtResSex.Visible = True  
frmAdvanceReservation.txtResPhone.Visible = True  
frmAdvanceReservation.txtResDate.Visible = True  
frmAdvanceReservation.txtPrice.Visible = True  
frmAdvanceReservation.txtPrice.SetFocus  
frmAdvanceReservation.cmdEnter.Visible = True  
frmAdvanceReservation.cmdOK.Visible = False  
frmAdvanceReservation.Label1.Visible = True
```

```

frmAdvanceReservation.txtResNo.Locked = True
frmAdvanceReservation.txtResCarNo.Locked = True
frmAdvanceReservation.txtResName.Locked = True
frmAdvanceReservation.txtResSurname.Locked = True
frmAdvanceReservation.txtResSex.Locked = True
frmAdvanceReservation.txtResPhone.Locked = True
frmAdvanceReservation.txtResDate.Locked = True

For i = 0 To 10
    frmAdvanceReservation.lblFieldLabel(i).Visible = True
Next

End If
End If

End Sub

Private Sub Form_Load()
Me.Height = Screen.Height
Me.Width = Screen.Width
End Sub

ACCOUNTS
Private Sub cmdAccountsDetails_Click()
rptAllAccDetails.Show
End Sub

Private Sub cmdEmployeeTransaction_Click()
rptEmpAcc.Show
End Sub

Private Sub cmdMainMenu_Click()
frmMainMenu.Show
Unload Me
End Sub

Private Sub cmdOK_Click()
On Error Resume Next
Dim amount, accName, serAcc, serAccA, Bal

serAcc = frmMainMenu.Adodc1.Recordset.Fields("AccSerial").Value

Adodc1.Recordset.MoveLast
Bal = Adodc1.Recordset.Fields("Balance").Value

amount = Val(txtAmount.Text)
accName = txtTranName.Text

If amount = "" Or accName = "" Then
    MsgBox "Missing Information", vbCritical, "Error"
    txtAmount.SetFocus

```



```

Else
'add data to account table
Adodc1.Recordset.AddNew
Adodc1.Recordset.Fields("SNo").Value = serAcc
Adodc1.Recordset.Fields("AccountName").Value = "Extra"
Adodc1.Recordset.Fields("TransactionDate").Value = Date
Adodc1.Recordset.Fields("Credit").Value = amount
Adodc1.Recordset.Fields("Balance").Value = Val(Bal) - Val(amount)
Adodc1.Recordset.Fields("TransactionName").Value = accName
Adodc1.Recordset.Update

'update AccSerial
serAccA = serAcc + 1
frmMainMenu.Adodc1.Recordset.Fields("AccSerial").Value = serAccA
frmMainMenu.Adodc1.Recordset.Update

'clear the entries
txtAmount.Visible = False
txtTranName.Visible = False
cmdOK.Visible = False
Label1.Visible = False
Label2.Visible = False

End If
End Sub

Private Sub cmdPassengerTransaction_Click()
rptPassAcc.Show
End Sub

Private Sub cmdPayExtraMoney_Click()

txtAmount.Visible = True
txtTranName.Visible = True
cmdOK.Visible = True
Label1.Visible = True
Label2.Visible = True
txtAmount.SetFocus

End Sub

Private Sub cmdPetroleumTransaction_Click()
rptPetAcc.Show
End Sub

Private Sub cmdShowBalance_Click()
On Error Resume Next

Dim Total
DataEnvironment1.rsAllAccDetails.MoveLast
Total = DataEnvironment1.rsAllAccDetails.Fields("Balance").Value

```

```
MsgBox "Current Balance: " & Total & "$ ", vbInformation, "Balance"
```

```
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width
```

```
txtAmount.Visible = False  
txtTranName.Visible = False  
cmdOK.Visible = False  
Label1.Visible = False  
Label2.Visible = False
```

```
End Sub
```

### **NEW RESERVATION**

```
Dim timed, No, dest, seat, msg, RSer, arri
```

```
Private Sub cmdCancel_Click()  
frmReservation.Show  
Unload Me  
End Sub
```

```
Private Sub cmdEnter_Click()  
On Error Resume Next  
'get the value of AccSerial  
Dim ASer, Bal  
ASer = frmMainMenu.Adodc1.Recordset.Fields("AccSerial").Value  
  
'get balance from accountns  
'Bal = 0  
frmAccounts.Adodc1.Recordset.MoveLast  
Bal = frmAccounts.Adodc1.Recordset.Fields("Balance").Value  
  
'add data to accounts  
frmAccounts.Adodc1.Recordset.AddNew  
frmAccounts.Adodc1.Recordset.Fields("AccountName").Value = "Customer"  
frmAccounts.Adodc1.Recordset.Fields("TransactionName").Value = "Rent"  
frmAccounts.Adodc1.Recordset.Fields("TransactionDate").Value = Date  
frmAccounts.Adodc1.Recordset.Fields("SNo").Value = ASer  
frmAccounts.Adodc1.Recordset.Fields("Debit").Value = Val(txtPrice.Text)  
frmAccounts.Adodc1.Recordset.Fields("Balance").Value = Val(Bal) + Val(txtPrice.Text)  
frmAccounts.Adodc1.Recordset.Update  
  
'update AccSerial  
frmMainMenu.Adodc1.Recordset.Fields("AccSerial").Value = ASer + 1  
frmMainMenu.Adodc1.Recordset.Update
```

```

'transfer data to log file
Adodc3.Recordset.AddNew
Adodc3.Recordset.Fields("ResNo").Value = Adodc1.Recordset.Fields("ResNo").Value
Adodc3.Recordset.Fields("SeatNo").Value = Adodc1.Recordset.Fields("SeatNo").Value
Adodc3.Recordset.Fields("ResName").Value = Adodc1.Recordset.Fields("ResName").Value
Adodc3.Recordset.Fields("ResSurname").Value =
Adodc1.Recordset.Fields("ResSurname").Value
Adodc3.Recordset.Fields("ResSex").Value = Adodc1.Recordset.Fields("ResSex").Value
Adodc3.Recordset.Fields("ResPhone").Value = Adodc1.Recordset.Fields("ResPhone").Value
Adodc3.Recordset.Fields("ResDeptTime").Value =
Adodc1.Recordset.Fields("ResDeptTime").Value
Adodc3.Recordset.Fields("ResDestinaton").Value =
Adodc1.Recordset.Fields("ResDestinaton").Value
Adodc3.Recordset.Fields("ResBusNo").Value =
Adodc1.Recordset.Fields("ResBusNo").Value
Adodc3.Recordset.Fields("ResDate").Value = Adodc1.Recordset.Fields("ResDate").Value
Adodc3.Recordset.Fields("ResArrTime").Value =
Adodc1.Recordset.Fields("ResArrTime").Value
Adodc3.Recordset.Update

```

```

'delete from reservation table
Adodc1.Recordset.Delete

```

```

frmFrontOffice.Show
Unload Me

```

```

End Sub

```

```

Private Sub cmdOK_Click()
On Error Resume Next
Dim flag
flag = 1
If txtResName.Text = "" And flag = 1 Then
    MsgBox "Enter Name...", vbInformation, "Name"
    txtResName.SetFocus
    flag = 0
End If

If txtResSurname.Text = "" And flag = 1 Then
    MsgBox "Enter Surname...", vbInformation, "Surname"
    txtResSurname.SetFocus
    flag = 0
End If

If txtResSex.Text = "" And flag = 1 Then
    MsgBox "Select Sex...", vbInformation, "Sex"
    cmbResSex.SetFocus
    flag = 0
End If

If txtResPhone.Text = "" And flag = 1 Then

```



```

MsgBox "Phone Number Required...", vbInformation, "Phone"
txtResPhone.SetFocus
flag = 0
End If

If flag = 1 Then
    'add data to reservation table
    Adodc1.Recordset.AddNew
    Adodc1.Recordset.Fields("ResNo").Value = txtResNo.Text
    Adodc1.Recordset.Fields("ResCarNo").Value = txtCarNo.Text
    Adodc1.Recordset.Fields("ResName").Value = txtResName.Text
    Adodc1.Recordset.Fields("ResSurname").Value = txtResSurname.Text
    Adodc1.Recordset.Fields("ResSex").Value = txtResSex.Text
    Adodc1.Recordset.Fields("ResPhone").Value = txtResPhone.Text
    Adodc1.Recordset.Fields("ResDate").Value = txtResDate.Text
    Adodc1.Recordset.Update

    'update ResSerial
    frmMainMenu.Adodc1.Recordset.Fields("ResSerial").Value = RSer + 1
    frmMainMenu.Adodc1.Recordset.Update

    frmReservation.Show
    Unload Me
End If

End Sub

Private Sub Form_Load()
    On Error Resume Next
    'get value of ResSerial
    RSer = frmMainMenu.Adodc1.Recordset.Fields("ResSerial").Value
    txtResNo.Text = RSer

    txtResDate.Text = Date

    Me.Height = Screen.Height
    Me.Width = Screen.Width

    'controls used on front office form
    txtPrice.Visible = False
    cmdEnter.Visible = False
    Label1.Visible = False

End Sub

Private Sub lblprice_Click(Index As Integer)

End Sub

```

## **CANCEL RESERVATION**

```
Private Sub cmdDelete_Click()  
On Error Resume Next
```

```
Adodc1.Recordset.Delete
```

```
txtResNo.Visible = False  
txtResName.Visible = False  
txtResSurname.Visible = False  
txtResSex.Visible = False  
txtResPhone.Visible = False  
txtCarNo.Visible = False  
txtResDate.Visible = False
```

```
txtSearch.SetFocus
```

```
End Sub
```

```
Private Sub cmdOK_Click()  
frmReservation.Show  
Unload Me  
End Sub
```

```
Private Sub cmdSearch_Click()  
On Error Resume Next  
If txtSearch.Text = "" Then  
MsgBox "Enter the Reservation Number...", vbInformation  
txtSearch.SetFocus
```

```
txtResNo.Visible = False  
txtResName.Visible = False  
txtResSurname.Visible = False  
txtResSex.Visible = False  
txtResPhone.Visible = False  
txtCarNo.Visible = False  
txtResDate.Visible = False
```

```
Else
```

```
Adodc1.Recordset.Filter = "(" & Text1.Text & " like " & Trim(txtSearch.Text) & ")"
```

```
If Adodc1.Recordset.RecordCount = 0 Then  
MsgBox "Invalid Reservation Number", vbCritical  
Adodc1.Recordset.Filter = ""  
txtSearch.SetFocus
```

```
Else
```

```
txtResNo.Visible = True  
txtResName.Visible = True
```



```

txtResSurname.Visible = True
txtResSex.Visible = True
txtResPhone.Visible = True
txtCarNo.Visible = True
txtResDate.Visible = True

```

```

cmdDelete.Enabled = True

```

```

End If
End If
End Sub

```

```

Private Sub DataCombo1_LostFocus()
txtResDestination.Text = DataCombo1.Text
End Sub

```

```

Private Sub Form_Load()

```

```

Me.Height = Screen.Height
Me.Width = Screen.Width

```

```

cmdDelete.Enabled = False

```

```

txtResNo.Visible = False
txtResName.Visible = False
txtResSurname.Visible = False
txtResSex.Visible = False
txtResPhone.Visible = False
txtCarNo.Visible = False
txtResDate.Visible = False

```

```

End Sub

```

### **CHANGE RESERVATION**

```

Private Sub cmdOK_Click()
On Error Resume Next

```

```

Adodc1.Recordset.Update
frmReservation.Show
Unload Me
End Sub

```

```

Private Sub cmdSearch_Click()
On Error Resume Next

```

```

If txtResNo.Text = "" Then
MsgBox "Enter the Reservation Number..."
txtResNo.SetFocus

```

```

Else

```

```
Adodc1.Recordset.Filter = "(" & Text1.Text & " like " & Trim(txtResNo.Text) & ")"  
End If
```

```
If Adodc1.Recordset.RecordCount = 0 Then  
MsgBox "Invalid Reservation Number"  
Adodc1.Recordset.Filter = ""  
txtResNo.SetFocus  
Else
```

```
txtResName.Visible = True  
txtResSurname.Visible = True  
txtResSex.Visible = True  
txtResPhone.Visible = True  
txtCarNo.Visible = True  
txtResDate.Visible = True
```

```
End If
```

```
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width
```

```
txtResName.Visible = False  
txtResSurname.Visible = False  
txtResSex.Visible = False  
txtResPhone.Visible = False  
txtCarNo.Visible = False  
txtResDate.Visible = False
```

```
End Sub
```

### **CHANGE CAR**

```
Private Sub cmdCancel_Click()  
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub cmdOK_Click()  
On Error Resume Next
```

```
Adodc1.Recordset.Update  
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width  
End Sub
```

### **CHANGE PASSWORD**

```
Private Sub cmdCancel_Click()  
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub cmdOK_Click()  
On Error Resume Next
```

```
If txtPass.Text = "" Then  
    MsgBox "Enter New Password.", vbInformation, "Password"  
    txtPass.SetFocus  
    Exit Sub  
Else  
    frmMainMenu.Adodc1.Recordset.Fields("Password").Value = txtPass.Text  
    frmMainMenu.Adodc1.Recordset.Update  
    MsgBox "New Password has been Saved.", vbInformation, "Password"  
    frmSetup.Show  
    Unload Me  
End If
```

```
End Sub
```

### **DELETE CAR**

```
Private Sub cmdCancel_Click()  
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub cmdDelete_Click()  
On Error Resume Next
```

```
Adodc1.Recordset.Delete
```

```
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width  
End Sub
```

### **DELETE EMP**

```
Private Sub cmdDelete_Click()  
On Error Resume Next
```

```
Adodc1.Recordset.Delete  
Adodc1.Refresh  
Unload Me
```

```
frmEmployeeManagement.Show  
End Sub
```

```
Private Sub Command1_Click()  
frmEmployeeManagement.Show  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width  
End Sub
```

### **EMP DETAILS**

```
Private Sub cmdBack_Click()  
frmEmployeeManagement.Show  
Unload Me  
End Sub
```

```
Private Sub cmdMainMenu_Click()  
frmMainMenu.Show  
Unload Me  
End Sub
```

```
Private Sub Form_Load()  
Me.Height = Screen.Height  
Me.Width = Screen.Width  
End Sub
```

### **NEW CAR**

```
Private Sub cmdCancel_Click()  
frmSetup.Show  
Unload Me  
End Sub
```

```
Private Sub cmdOK_Click()  
On Error Resume Next
```

```
'add data to car table  
Adodc1.Recordset.AddNew  
Adodc1.Recordset.Fields("ID").Value = txtID.Text  
Adodc1.Recordset.Fields("CarNo").Value = txtCarNo.Text  
Adodc1.Recordset.Fields("CarCondition").Value = txtCarCondition.Text  
Adodc1.Recordset.Fields("CarModel").Value = txtCarModel.Text  
Adodc1.Recordset.Fields("CarDriver").Value = txtCarDriver.Text  
Adodc1.Recordset.Update
```

```
'update serial  
frmMainMenu.Adodc1.Recordset.Fields("CarSerial").Value = ESer + 1  
frmMainMenu.Adodc1.Recordset.Update
```



```
frmSetup.Show
Unload Me
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
On Error Resume Next
Me.Height = Screen.Height
Me.Width = Screen.Width
```

```
Me.Height = Screen.Height
Me.Width = Screen.Width
```

```
'get the car serial
ESer = frmMainMenu.Adodc1.Recordset.Fields("CarSerial").Value
txtID.Text = ESer
End Sub
```

#### **NEW EMP**

```
Dim ESer
Private Sub cmdAdd_Click()
On Error Resume Next
Dim flag As Integer
flag = 1
```

```
If (txtEmployeeID.Text = "") And (flag = 1) Then
    MsgBox "Enter Employee ID", vbInformation, "Information Required..."
    flag = 0
    txtEmployeeID.SetFocus
End If
```

```
If (txtName.Text = "") And (flag = 1) Then
    MsgBox "Enter Employee Name", vbInformation, "Information Required..."
    flag = 0
    txtName.SetFocus
End If
```

```
If (txtSurname.Text = "") And (flag = 1) Then
    MsgBox "Enter Employee Surname", vbInformation, "Information Required..."
    flag = 0
    txtSurname.SetFocus
End If
```

```
If (txtAddress.Text = "") And (flag = 1) Then
    MsgBox "Enter Address", vbInformation, "Information Required..."
    flag = 0
    txtAddress.SetFocus
End If
```

```
If (txtSex.Text = "") And (flag = 1) Then
```



```

    MsgBox "Enter Sex of Employee", vbInformation, "Information Required..."
    flag = 0
    txtSex.SetFocus
End If

If (txtPhone.Text = "") And (flag = 1) Then
    MsgBox "Enter Contact Number of Employee", vbInformation, "Information Required"
    flag = 0
    txtPhone.SetFocus
End If

If (txtStatus.Text = "") And (flag = 1) Then
    MsgBox "Status Required...", vbInformation, "Information Required"
    flag = 0
    txtStatus.SetFocus
End If

If (txtMonthlySalary.Text = "") And (flag = 1) Then
    MsgBox "Specify the Monthly Salary of Employee", vbInformation, "Information
Required"
    flag = 0
    txtMonthlySalary.SetFocus
End If

If (flag = 1) Then
    'add to employee table
    adodc1.Recordset.AddNew
    adodc1.Recordset.Fields("empID").Value = txtEmployeeID.Text
    adodc1.Recordset.Fields("empName").Value = txtName.Text
    adodc1.Recordset.Fields("empSurname").Value = txtSurname.Text
    adodc1.Recordset.Fields("empAddress").Value = txtAddress.Text
    adodc1.Recordset.Fields("empPhone").Value = txtPhone.Text
    adodc1.Recordset.Fields("empSex").Value = txtSex.Text
    adodc1.Recordset.Fields("empJopStartDate").Value = txtJobStartDate.Text
    adodc1.Recordset.Fields("empMonthlyPay").Value = txtMonthlySalary.Text
    adodc1.Recordset.Fields("empStatus").Value = txtStatus.Text
    adodc1.Recordset.Update

    'update serial
    frmMainMenu.adodc1.Recordset.Fields("EmpSerial").Value = ESer + 1
    frmMainMenu.adodc1.Recordset.Update

    frmEmployeeManagement.Show
    Unload Me

End If

End Sub

Private Sub cmdBack_Click()
    frmEmployeeManagement.Show

```

Unload Me  
End Sub

Private Sub cmdCancel\_Click()  
frmEmployeeManagement.Show  
Unload Me  
End Sub

Private Sub cmdMainMenu\_Click()  
frmMainMenu.Show  
Unload Me  
End Sub

Private Sub Form\_Load()  
On Error Resume Next

Me.Height = Screen.Height  
Me.Width = Screen.Width

'get the emp serial  
ESer = frmMainMenu.adodc1.Recordset.Fields("EmpSerial").Value  
txtEmployeeID.Text = ESer

txtJobStartDate.Text = Date  
End Sub

### **PAY SALARY**

Dim serAcc, Bal, LastPayDate, MSalary, EName  
Private Sub cmdBack\_Click()  
frmEmployeeManagement.Show  
Unload Me  
End Sub

Private Sub cmdMainMenu\_Click()  
frmMainMenu.Show  
Unload Me  
End Sub

Private Sub cmdPaySalary\_Click()  
On Error Resume Next  
'get the current balance from accounts  
frmAccounts.Adodc1.Recordset.MoveLast  
Bal = frmAccounts.Adodc1.Recordset.Fields("Balance").Value

'get the last payment date and monthly salary from employee

MSalary = Adodc1.Recordset.Fields("empMonthlyPay").Value  
LastPayDate = Adodc1.Recordset.Fields("empLastPaymentDate").Value  
EName = Adodc1.Recordset.Fields("empName").Value

'get the serNumber of serials from Mian Menu

```
serAcc = frmMainMenu.Adodc1.Recordset.Fields("AccSerial").Value
```

```
'Check for balance if enough or not
```

```
If Val(Bal) < Val(MSalary) Then
```

```
    MsgBox "Not Enough Balance, Can't Pay.", vbCritical, "Attention"
```

```
    Exit Sub
```

```
Else
```

```
    MsgBox "Enough Balance, Can Pay.", vbInformation, "Balance"
```

```
End If
```

```
'check for last payment date
```

```
If Date - LastPayDate < 30 Then
```

```
    MsgBox "Cant Pay, Not Due Date."
```

```
    Exit Sub
```

```
End If
```

```
If MsgBox("Are You Sure you want to pay " & MSalary & " to " & EName, vbYesNo,  
"Confirm...") = vbYes Then
```

```
'add data to accounts table
```

```
frmAccounts.Adodc1.Recordset.AddNew
```

```
    frmAccounts.Adodc1.Recordset.Fields("SNo") = serAcc
```

```
    frmAccounts.Adodc1.Recordset.Fields("AccountName").Value = "Employee"
```

```
    frmAccounts.Adodc1.Recordset.Fields("TransactionDate").Value = Date
```

```
    frmAccounts.Adodc1.Recordset.Fields("TransactionName").Value = "Monthly Salary"
```

```
    frmAccounts.Adodc1.Recordset.Fields("Balance").Value = Val(Bal) - Val(MSalary)
```

```
    frmAccounts.Adodc1.Recordset.Fields("Credit").Value = MSalary
```

```
frmAccounts.Adodc1.Recordset.Update
```

```
'update serial number
```

```
    frmMainMenu.Adodc1.Recordset.Fields("AccSerial").Value = serAcc + 1
```

```
    frmMainMenu.Adodc1.Recordset.Update
```

```
'update last payment date
```

```
Adodc1.Recordset.Fields("empLastPaymentDate").Value = Date
```

```
Adodc1.Recordset.Update
```

```
    MsgBox "Transaction Done.", vbInformation, "Done"
```

```
Else
```

```
    MsgBox "You Cancelled Transaction...", vbInformation, "Cancel"
```

```
End If
```

```
End Sub
```

```
Private Sub cmdSearch_Click()
```

```
On Error Resume Next
```

```
If txtSearch.Text = "" Then
```

```
    MsgBox "Enter the ID Number...", vbInformation, "ID"
```

```
txtSearch.SetFocus
```

```
Else
```



```
Adodc1.Recordset.Filter = "(" & Text1.Text & " like " & Trim(txtSearch.Text) & ")"
```

```
lblID.Visible = True  
lblName.Visible = True  
lblSurname.Visible = True  
lblAddress.Visible = True  
lblPhone.Visible = True  
lblJobStartDate.Visible = True  
lblMonthlyPay.Visible = True  
lblStatus.Visible = True  
lblSex.Visible = True
```

```
End If
```

```
If Adodc1.Recordset.RecordCount = 0 Then  
MsgBox "Invalid ID Number"  
Adodc1.Recordset.Filter = ""  
Adodc1.Recordset.MoveFirst  
txtSearch.SetFocus
```

```
lblID.Visible = False  
lblName.Visible = False  
lblSurname.Visible = False  
lblAddress.Visible = False  
lblPhone.Visible = False  
lblJobStartDate.Visible = False  
lblMonthlyPay.Visible = False  
lblStatus.Visible = False  
lblSex.Visible = False  
Else  
cmdPaySalary.Enabled = True  
End If
```

```
txtSearch.Text = ""
```

```
End Sub
```

```
Private Sub cmdSearchName_Click()  
On Error Resume Next  
If txtSearchName.Text = "" Then  
MsgBox "Enter the Name..."  
txtSearchName.SetFocus  
Else  
Adodc1.Recordset.Filter = "(" & Text2.Text & " like " & Trim(txtSearchName.Text) & ")"
```

```
lblID.Visible = True  
lblName.Visible = True  
lblSurname.Visible = True  
lblAddress.Visible = True  
lblPhone.Visible = True
```

```
lblJobStartDate.Visible = True
lblMonthlyPay.Visible = True
lblStatus.Visible = True
lblSex.Visible = True
```

```
End If
```

```
If Adodc1.Recordset.RecordCount = 0 Then
MsgBox "Name Not Found"
Adodc1.Recordset.Filter = ""
Adodc1.Recordset.MoveFirst
txtSearchName.SetFocus
```

```
lblID.Visible = False
lblName.Visible = False
lblSurname.Visible = False
lblAddress.Visible = False
lblPhone.Visible = False
lblJobStartDate.Visible = False
lblMonthlyPay.Visible = False
lblStatus.Visible = False
lblSex.Visible = False
lblLastPaymentDate.Visible = False
Else
cmdPaySalary.Enabled = True
End If
```

```
txtSearchName.Text = ""
```

```
End Sub
```

```
Private Sub Form_Load()
cmdPaySalary.Enabled = False
```

```
Me.Height = Screen.Height
Me.Width = Screen.Width
```

```
lblID.Visible = False
lblName.Visible = False
lblSurname.Visible = False
lblAddress.Visible = False
lblPhone.Visible = False
lblJobStartDate.Visible = False
lblMonthlyPay.Visible = False
lblStatus.Visible = False
lblSex.Visible = False
```

```
End Sub
```

#### **ADD CAR**

```
Private Sub cmdChangeBus_Click()
```



```
frmChangeCar.Show
Unload Me
End Sub
```

```
Private Sub cmdChangePass_Click()
frmChangePass.Show
End Sub
```

```
Private Sub cmdDeleteBus_Click()
frmDeleteCar.Show
Unload Me
End Sub
```

```
Private Sub cmdMainMenu_Click()
frmMainMenu.Show
Unload Me
End Sub
```

```
Private Sub cmdNewBus_Click()
frmNewCar.Show
Unload Me
End Sub
```

```
Private Sub cmdShow_Click()
rptViewCars.Show
End Sub
```

```
Private Sub Form_Load()
Me.Height = Screen.Height
Me.Width = Screen.Width
End Sub
```

## 6. LIST OF SUBPROGRAMS

### 6.3 SCREEN OUT PUT



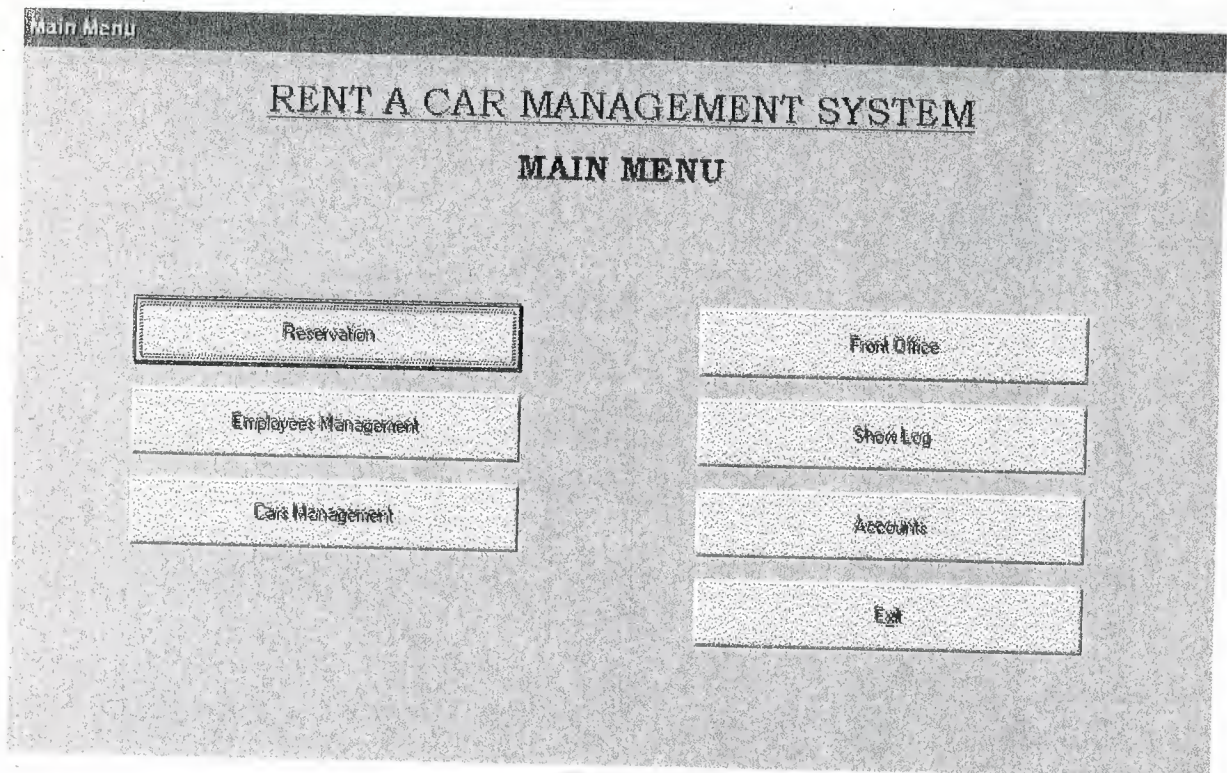


Figure 1

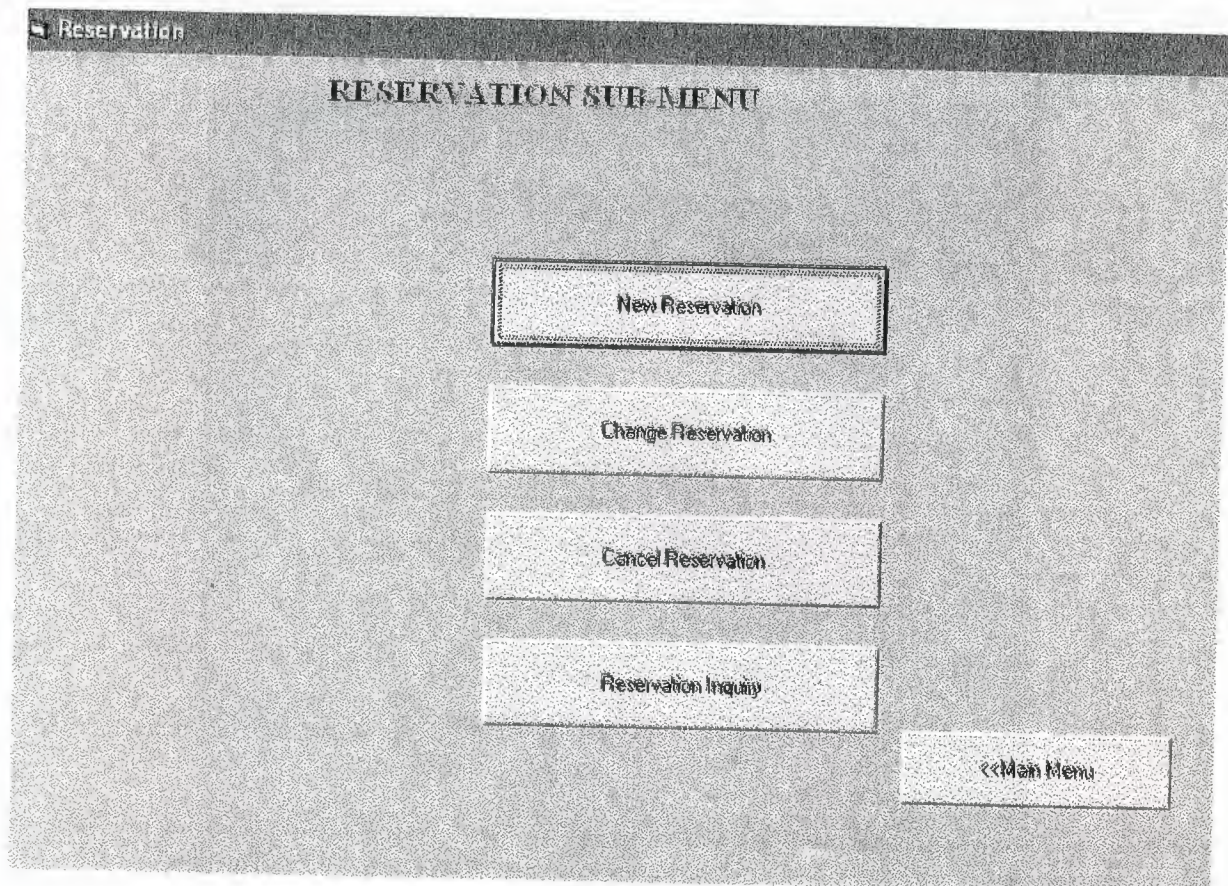


Figure 2



Advance Reservation

### NEW RESERVATION

Reservation Number:

Reservation Name:

Reservation Surname:

Reservation Sex:

Reservation Phone:

Reservation Date:

Reserved Car No:

OK

<< Back

Figure 3

### RESERVATION CHANGE

ResNo.

Reservation Name:

Reservation Surname:

Reservation Sex:

Reservation Phone:

Reservation Date:

Reserved Car No:

OK

Figure 4



Reservation Cancellation...

## RESERVATION CANCELATION

Enter Reservation Number:

Reservation Number:

Reservation Name:

Reservation Surname:

Reservation Sex:

Reservation Phone:

Reservation Date:

Reserved Car No:

Figure 5



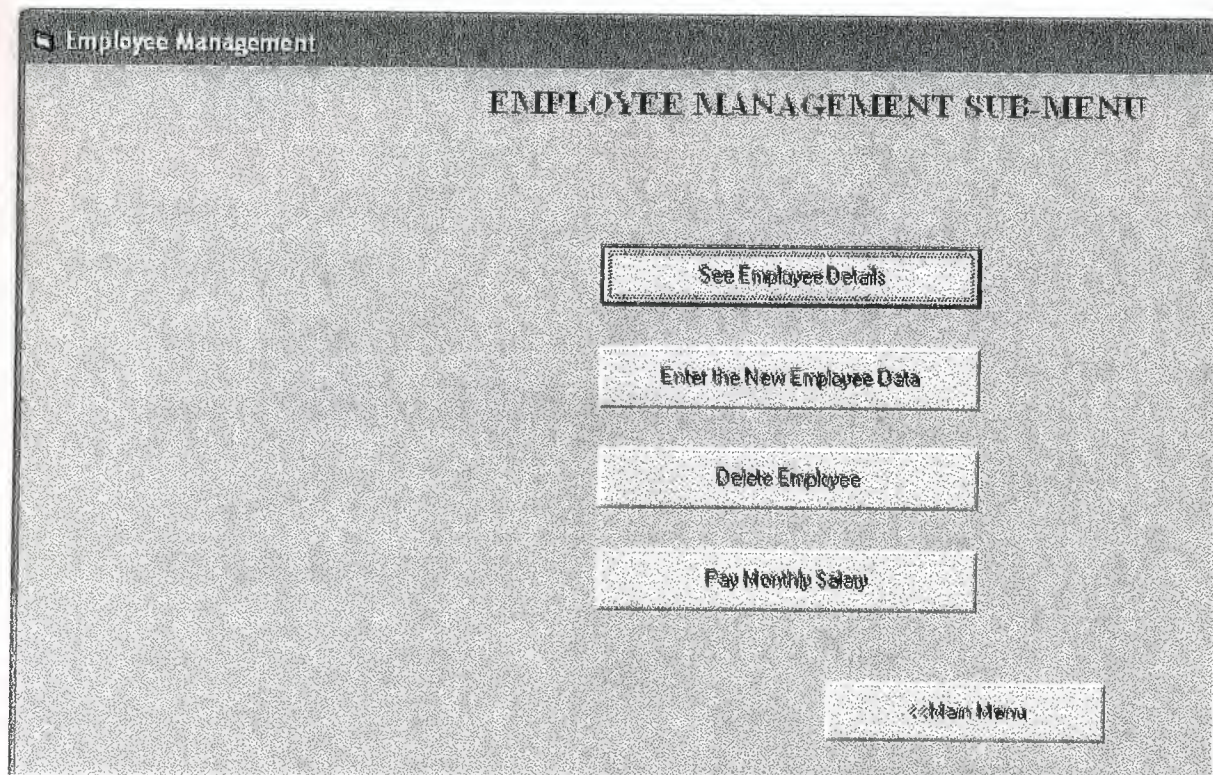


Figure 6

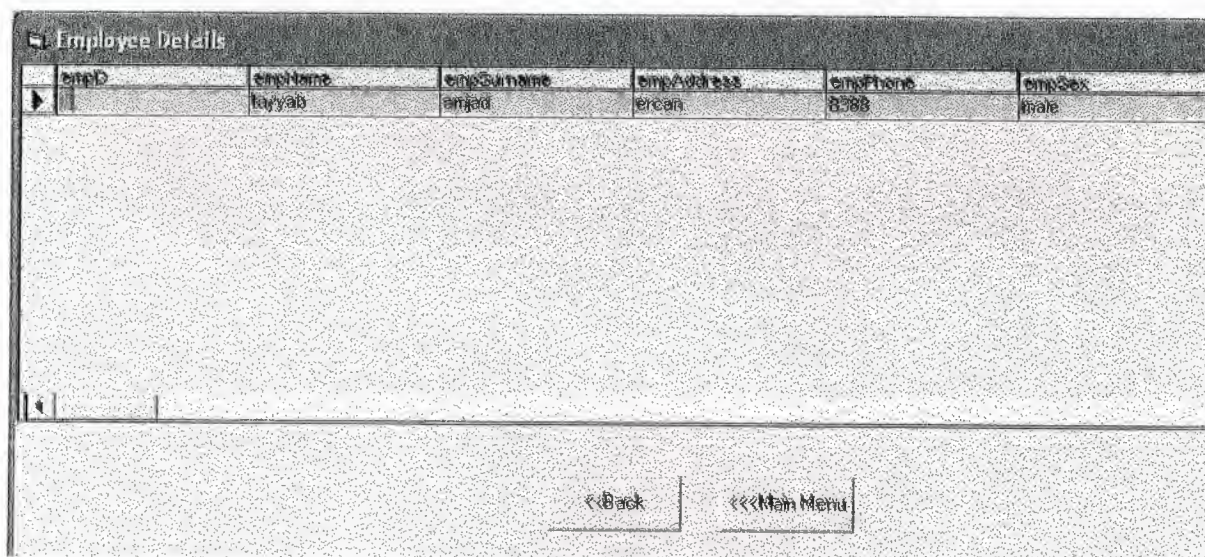


Figure 7



**Delete Employee**

|             |        |                |           |
|-------------|--------|----------------|-----------|
| Employee ID | 1      | Status         | manager   |
| Name        | tayyab |                |           |
| Surname     | amjad  | Job Start Date | 5/27/2003 |
| Address     | ercan  | Monthly Salary | 8000      |
| Sex         | male   |                |           |
| Phone No    | 8388   |                |           |

Navigation Buttons

Delete

<<Back

Figure 8



Pay Salary

PAY SALARY

Enter Employee ID:

Search By ID

OR

Enter Employee Name:

Search By Name

Monthly Pay:

Employee ID:

Status:

Name:

Sex:

Surname:

Last Payment Date:

Address:

Phone No.:

Job Start Date:

Pay Salary

<<Back

<<Main Menu

Figure 9

Setup

SETUP SUB-MENU

Add New Car

Change Car Data

Delete Car Data

Show All Details About Cars

Change Password

<<<Main Menu

Figure 10



New Bus

### NEW CARS

Car ID:

Car No:

DriverName:

Car Model:

Car Condition:

OK

<< Back

Figure 11

Change Car

### CHANGE CARS

Car ID:

Car No:

DriverName:

Car Model:

Car Condition:

Navigation Buttons

OK

<< Back

Figure 12



Delete Car

### DELETE CARS

Car ID:

Car No:

DriverName:

Car Model:

Car Condition:

Navigation Buttons:

Figure 13

Accounts

### ACCOUNTS SUB-MENU

Figure 14



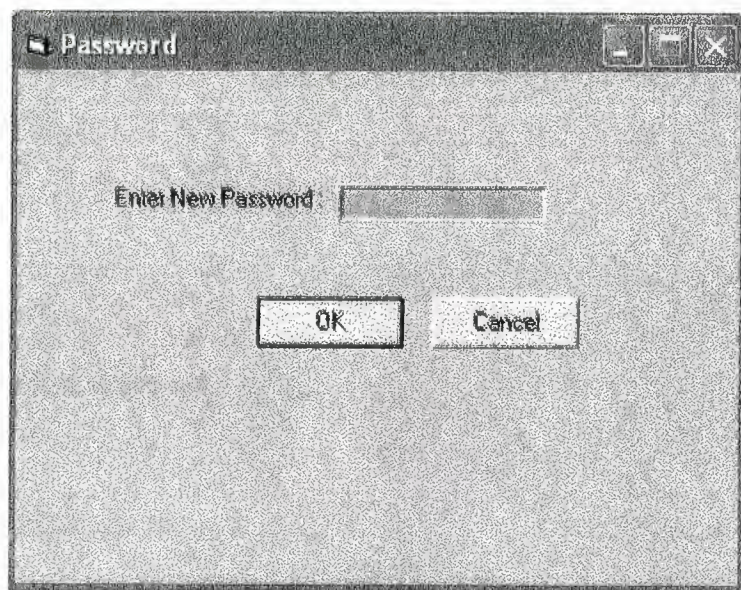


Figure 15

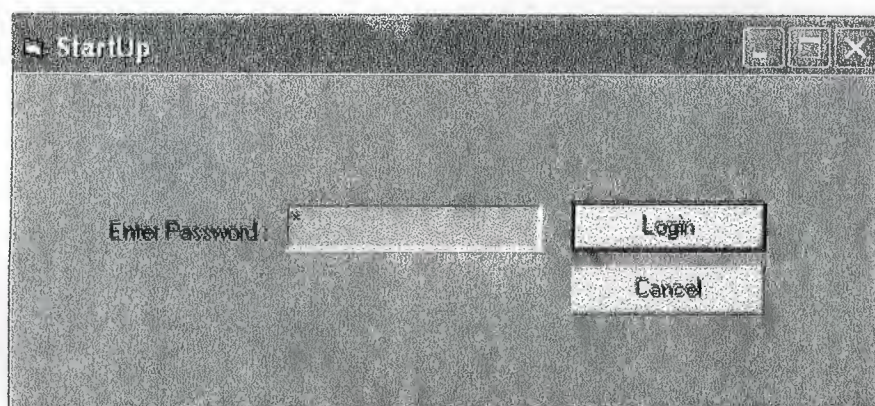


Figure 16

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