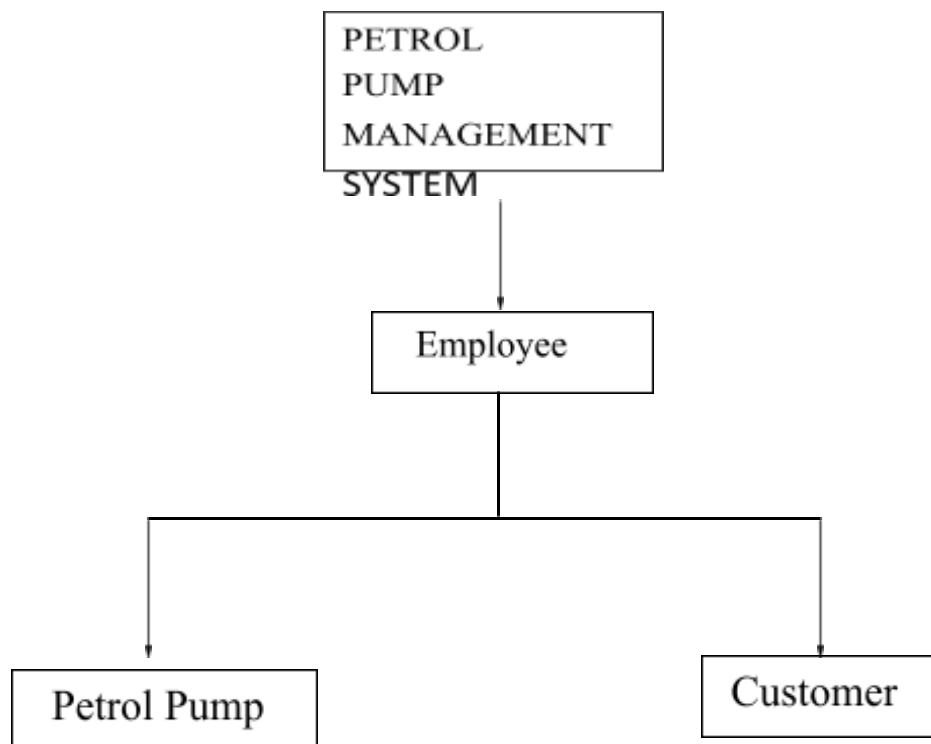


Chapter 1
Preliminary Investigation

Organizational Overview

Organizational Chart



Description of System

In Petrol pump management System use to maintain their sales detail, employee detail in files and folders. They use to keep the record of petrol and diesel sold, inventory, Customers, etc in a register. A daily register is maintained to keep track of sales.

Preparing report is very time consuming and tedious task. For searching of single record, whole register is to be searched which is very time consuming task.

Limitations Of Present System

- ❖ As mentioned above most of details are maintained manually. Due to this the data retrieved is time consuming. Due to human calculation errors occur.
- ❖ Even when the data is maintained on spreadsheet inconsistency occurs as an order might be missed or wrongly entered or twice.
- ❖ Data are stored in an excel sheet which takes a lot of time and data may be corrupted.
- ❖ As storage and exchange of data is achieved only by use of excel sheets which lack validation capabilities, there is always a risk of invalid, inaccurate or incomplete data being fed into the computer.
- ❖ Difficulty in managing multiple forms.
- ❖ Lack of security.

Proposed System

The proposed system is computerized and has been developed using advance language therefore it gives more facilities than present system. It provides quick access to any data. In this system user have to enter the data only once and then it get linked with all files. This reduces the workload of user and it is also a time saving process.

The information about any Subscriber can be easily retrieved. The system maintains all records easy.

Advantages of Proposed System:

- ❖ All the information about sale, purchase, stock will be maintain properly in this system.
- ❖ All manual calculation of sale or all the money management will be performed by the computer automatically.
- ❖ This system will provide timely report information.
- ❖ It will produce report for sale, bill and stock information.
- ❖ The computer can hold amount of data in its storage device.
- ❖ The operation and speed of the computer is very high.
- ❖ We can calculate result and print any report within a seconds.
- ❖ Any difficulties we can solve easily.
- ❖ A database application can be stored in computer effectively.
- ❖ It is very user friendly and easy to handle.

So the computerized system is more suitable than the manual system.

Feasibility Of Study

1. Software Specification:-

Software requirements for this system are as listed follows:

- ❖ FRONTEND : Microsoft Visual Basic 8.0
- ❖ BACKEND : Microsoft SQL Server-2000
- ❖ OPERATING SYSTEM : Windows XP

2. Hardware Specifications

Minimum hardware requirements for this System are listed below:

- ❖ Processor : Pentium-4
- ❖ RAM : 256MB.
- ❖ HARD DISK : 80GB.
- ❖ NETWORK : LAN.

FRONTEND :- MICROSOFT VISUAL STUDIO 2008

1. First of all, VB.NET provides managed code execution that runs under the Common Language Runtime (CLR), resulting in robust, stable and secure applications. All features of the .NET framework are readily available in VB.NET.
2. VB.NET is totally object oriented. This is a major addition that VB6 and other earlier releases didn't have.
3. The .NET framework comes with ADO.NET, which follows the disconnected paradigm, i.e. once the required records are fetched the connection no longer exists. It also retrieves the records that are expected to be accessed in the immediate future. This enhances Scalability of the application to a great extent.
4. VB.NET uses XML to transfer data between the various layers in the DNA Architecture i.e. data are passed as simple text strings.
5. Error handling has changed in VB.NET. A new Try-Catch-Finally block has been introduced to handle errors and exceptions as a unit, allowing appropriate action to be taken at the place the error occurred thus discouraging the use of ON ERROR GOTO statement. This again credits to the maintainability of the code.
6. Another great feature added to VB.NET is free threading against the VB single-threaded apartment feature. In many situations developers need spawning of a new thread to run as a background process and increase the usability of the application. VB.NET allows developers to spawn threads wherever they feel like, hence giving freedom and better control on the application.
7. Security has become more robust in VB.NET. In addition to the role-based security in VB6, VB.NET comes with a new security model, Code Access security. This security controls on what the code can access. For example you can set the security to a component such that the component cannot access the database. This type of security is important because it allows building components that can be trusted to various degrees.

8. The CLR takes care of garbage collection i.e. the CLR releases resources as soon as an object is no more in use. This relieves the developer from thinking of ways to manage memory. CLR does this for them.

BACKEND: SQL SERVER 2000

IBM developed the original version of SQL, originally called Sequel, as part of the System R Project in the early 1970s. The Sequel language has evolved since then, and its name has changed to SQL (Structured Query Language). Many products now support the SQL language. SQL has clearly established itself as the standard relational database language.

In 1986, the American Standards Institute (ANSI) and the International Organization for Standardization (ISO) published an SQL standard, called SQL-86. ANSI published an extended standard for SQL, SQL-89, in 1989. The next version of the standard was SQL-92 standard followed by SQL:1999; the most recent versions are SQL:2003 and then SQL:2005.

The SQL language has several parts:

- ❖ Data-definition language (DDL): The SQL DDL provides commands for defining relation schemas, deleting relations, and modifying relation schemas.
- ❖ Interactive data-manipulation language (DML): The SQL DML includes a query language based on both the relational algebra (2) and the tuple relational calculus (5). It includes also commands for specifying integrity constraints that the data stored in the database must satisfy. Updates that violate integrity constraints are disallowed.
- ❖ View definition: The SQL DDL includes commands for defining views.
- ❖ Transaction control: SQL includes commands for specifying the beginning and ending of transactions.
- ❖ Embedded SQL and Dynamic SQL: Embedded and dynamic SQL define how SQL statements can be embedded within general-purpose programming languages, such as C, C++, Java, PL/I, COBOL, Pascal, and FORTRAN.

- ❖ Authorization: The SQL DDL includes commands for specifying access rights to relations and views.

Stakeholders

Stakeholders are anyone who has an interest in the project. Project stakeholders are individuals and organizations that are actively involved in the project, or whose interests may be affected as a result of project execution or project completion. They may also exert influence over the project's objectives and outcomes. The project management team must identify the stakeholders, determine their requirements and expectations, and, to the extent possible, manage their influence in relation to the requirements to ensure a successful project.

The following are examples of project stakeholders:

1. Project Developers

Project Developers is one who develops software for customer. In my project I am the first stakeholder i.e. Project Developer.

2. Project customer

Project Customer is one who pays for the developed software. In my project the Chairman of Technovision Automation Pvt. Ltd. is the second stakeholder i.e. Project Customer.

3. Project user Group

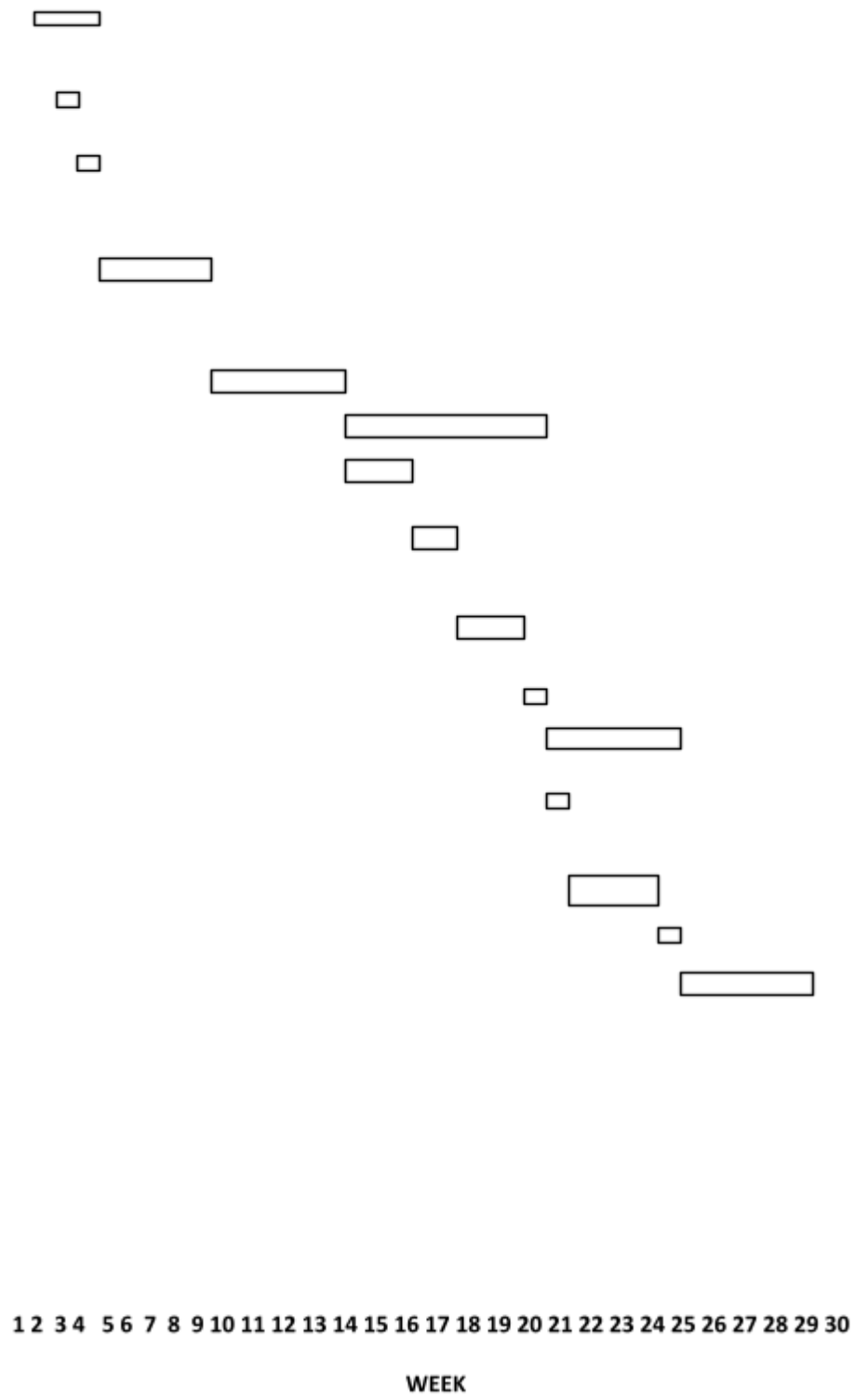
Project User group are those people who use the software on daily basis for the Project Customer. In my project employee's of Technovision Automation Pvt. Ltd. are the third stakeholders i.e. Project User Group

4. Project Testers

Project Testers are those who test the software. In my project myself, my project guide and Technical Department of TAPL are the fourth stakeholders i.e. Project Testers.

Gantt chart

Phase	Start date	Completion date
Preliminary investigation	8/06/2010	28/06/2010
Project Finalization	8/06/2010	14/06/2010
Investigation of system requirement	14/06/2010	28/06/2010
System Analysis	1/07/2010	12/08/2010
System Design	13/08/2010	25/09/2010
Coding	18/09/2010	20/11/2010
Interface Coding	18/09/2010	16/10/2010
Database Connectivity	16/10/2010	31/10/2010
Validation Coding	31/10/2010	13/11/2010
Report Coding	13/11/2010	21/11/2010
Implementation	22/11/2010	31/12/2010
Developer Testing	22/11/2010	24/11/2010
Client Testing	24/11/2010	26/12/2010
User Testing	26/12/2010	31/12/2010
Project Delivery	31/12/2010	14/01/2011
Project Report Submission		
Project Report Hard Copy Checking		
Project Submission		16/01/2011



Chapter 2

System Analysis

Fact Findings

Introduction

The Current System is the manual one, hence is not speedy, accurate, efficient as well as time consuming. An essential part of the system analysis, which enables the developer to understand & the system correctly. It is undertaken to obtain details of the system. To understand the physical flow of the information through the current system. Collect various information through various fact finding techniques. Identify the procedural difficulties experienced by the user. Study the bottlenecks find out the redundant work being performed in the system.

Fact Finding Techniques Employed

1. Interviews

Information was obtained from the employees at the organization by interviewing them at the location and time convention both.

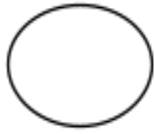
2. Document Searching

An extensive study of existing document an official correspondence was done to understand the present working status of organization.

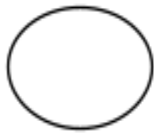
EVENT TABLE

EVENT	TRIGGER	SOURCE	ACTIVITY	RESPONSE	DESTINATION
Customer registration	Check customer detail	Customer	Entering customer detail	Customer Registered	Employee
Supply petrol or/and diesel	Check petrol or/and diesel availability	Employee	Supplying petrol or /and diesel	Petrol or/and Diesel supplied Or not	Customer
Bill generation	Enter petrol or /and diesel amount supplied	Employee	Generating bill	Bill generated	Customer
Management wants to check sales detail	Check sales detail	Management	Looking up corresponding sales	Detail of total sales	Management
Management wants to adjust product price	Product price adjustment	Management	Making changes in price	Price adjustment notification	Management
Management wants to update stock in pump	Check stock detail	Management	Updating the stock in pump	Pump's stock is updated	Management
Management wants check staff detail	Check staff list	Management	Looking into sales detail	Staff detail	Management
Produce staff salary report	Check no. of day employee was present	Management	Producing staff salary	Salary report generated	Management
Produce pump's summary report	Check all detail	Management	Producing report	Report generated	Owner

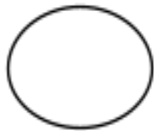
Use Case Diagram



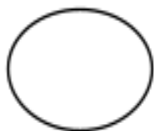
Customer



Employee



Manager



Owner

Registration

Bill payment

Registration

Supply petrol or/and diesel

Bill generation

Employee management

Maintaining record

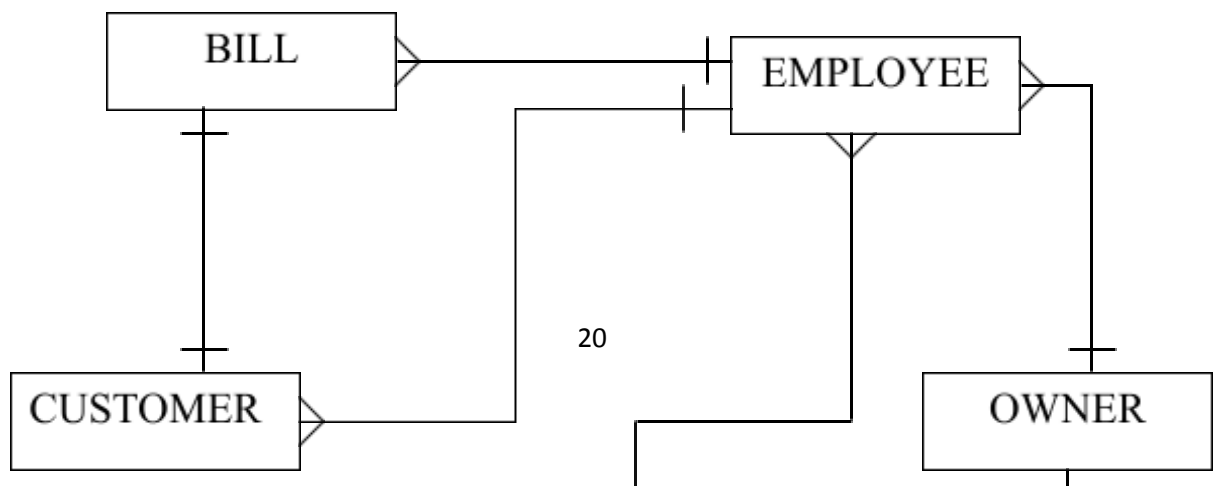
Maintaining Petrol pump

Final report generation

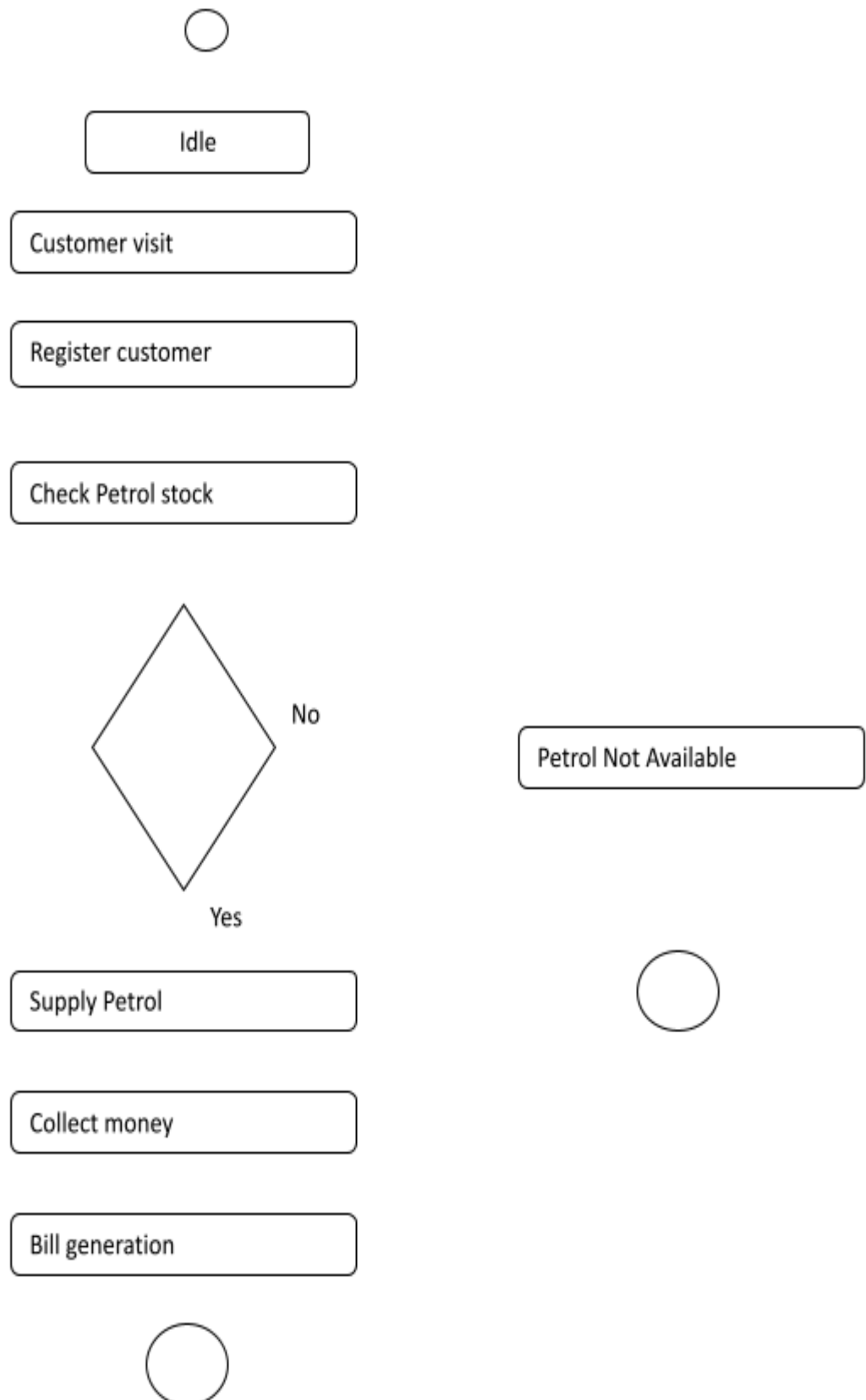
Make salary of employees

Payment to supplier

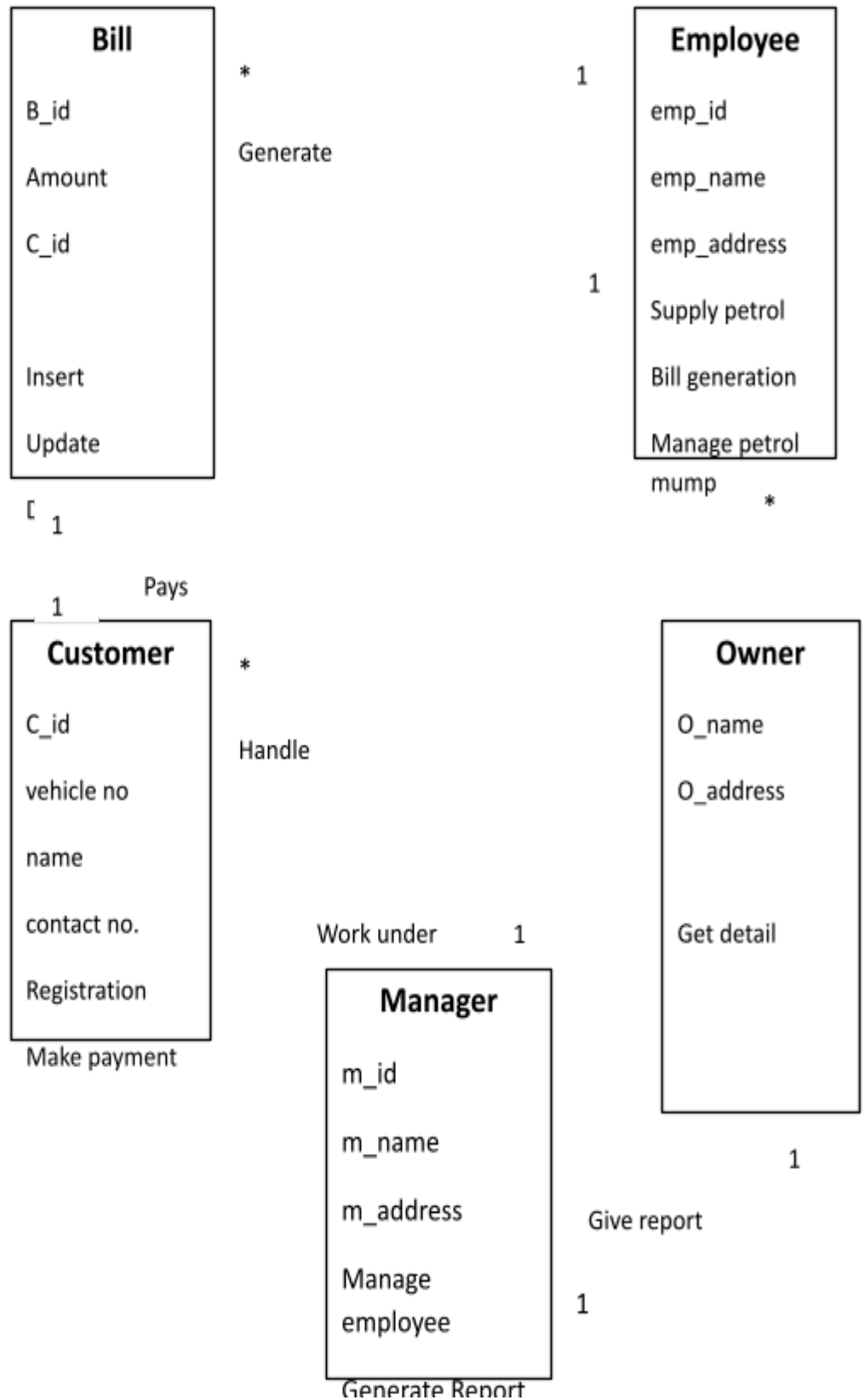
ENTITY-RELATIONSHIP DIAGRAM



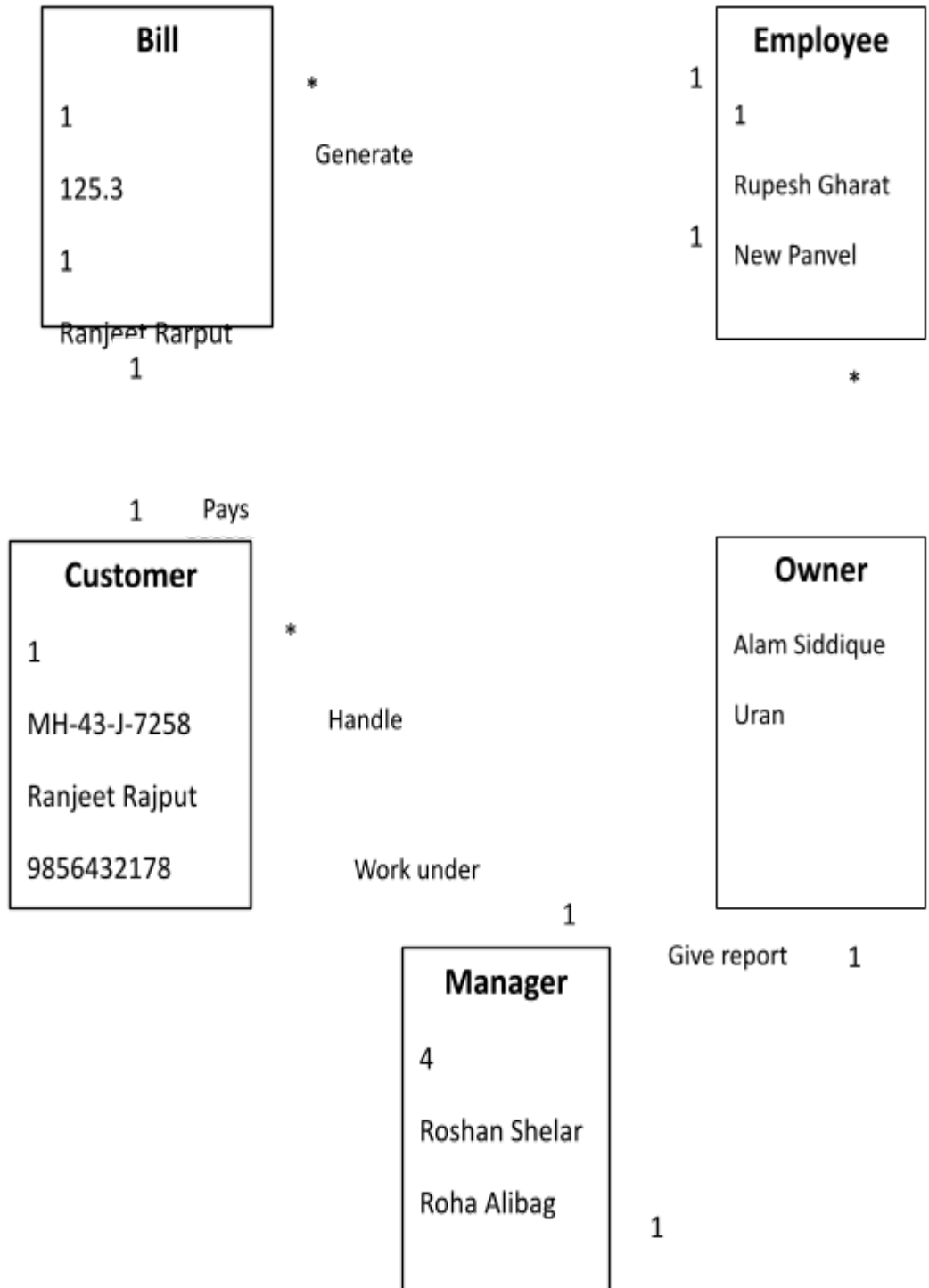
ACTIVITY DIAGRAM



Class Diagram



Object Diagram



SEQUENCE DIAGRAM

1) Demand for petrol

2) Check petrol stock

3) Petrol not available

4) Inform

5) Petrol available

6) Supply petrol

7) Generate bill

8) Playbill

9) Check stock detail

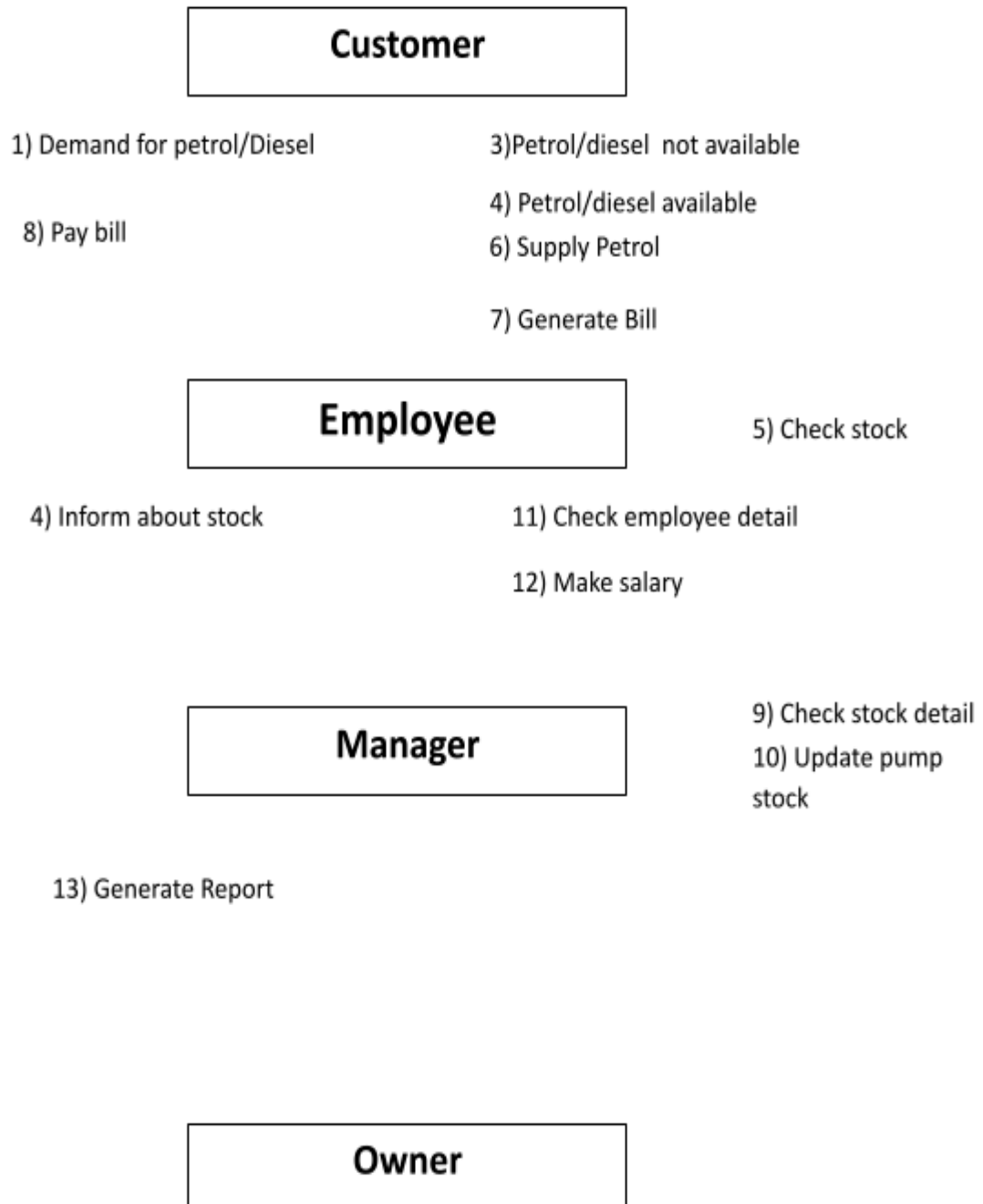
10) Update pump

11) check employee detail

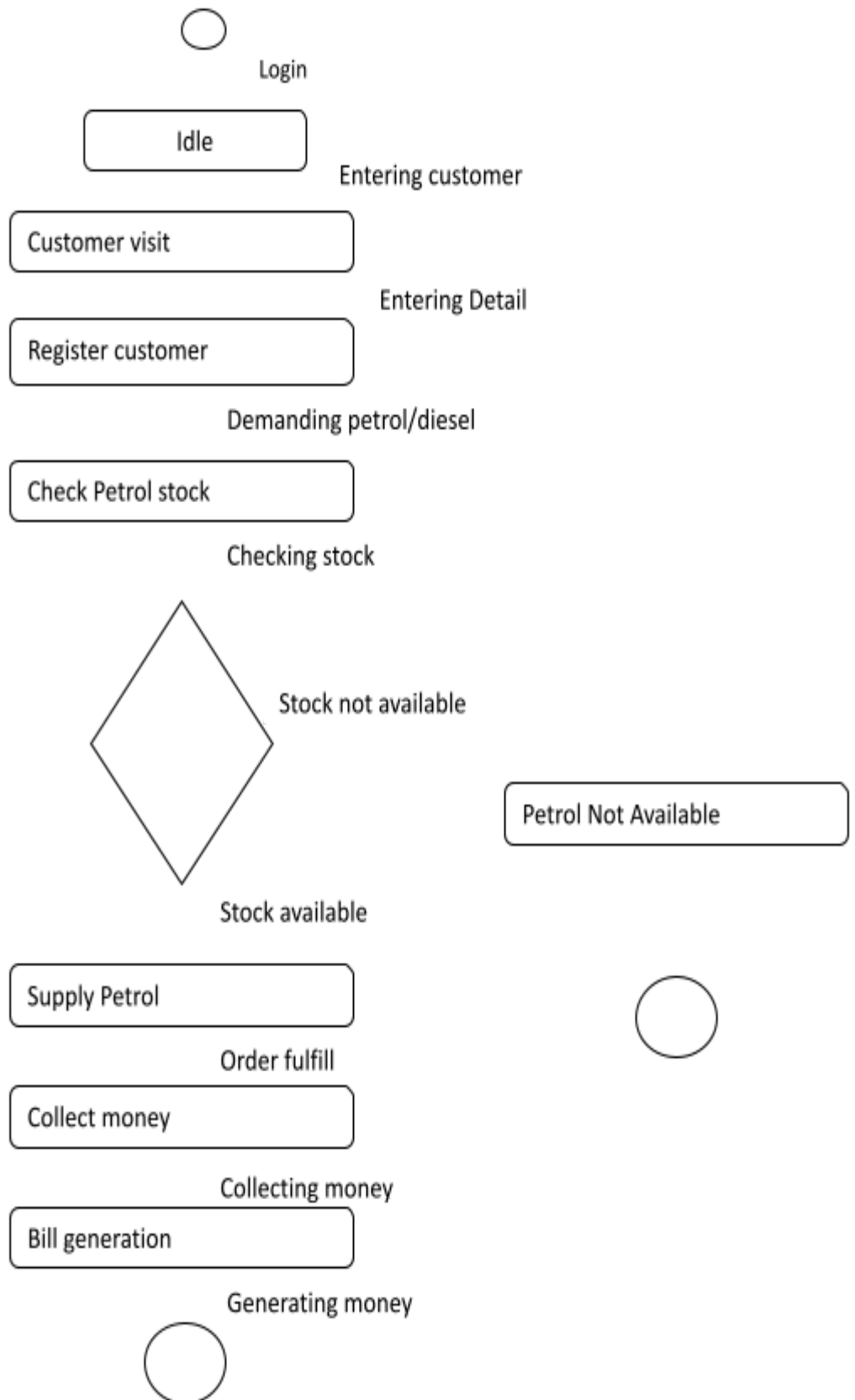
12) Make salary

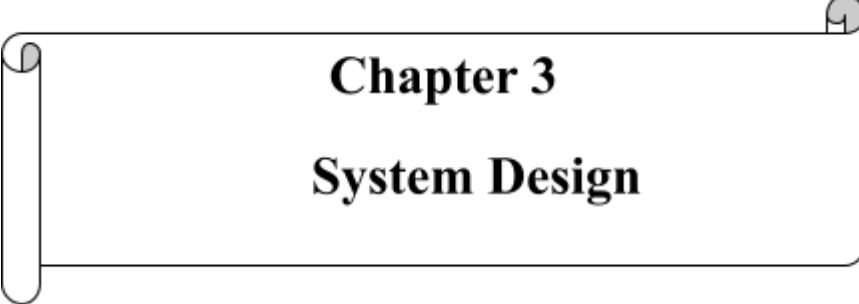
13) Generate report

Collaboration Diagram



State Diagram





Chapter 3

System Design

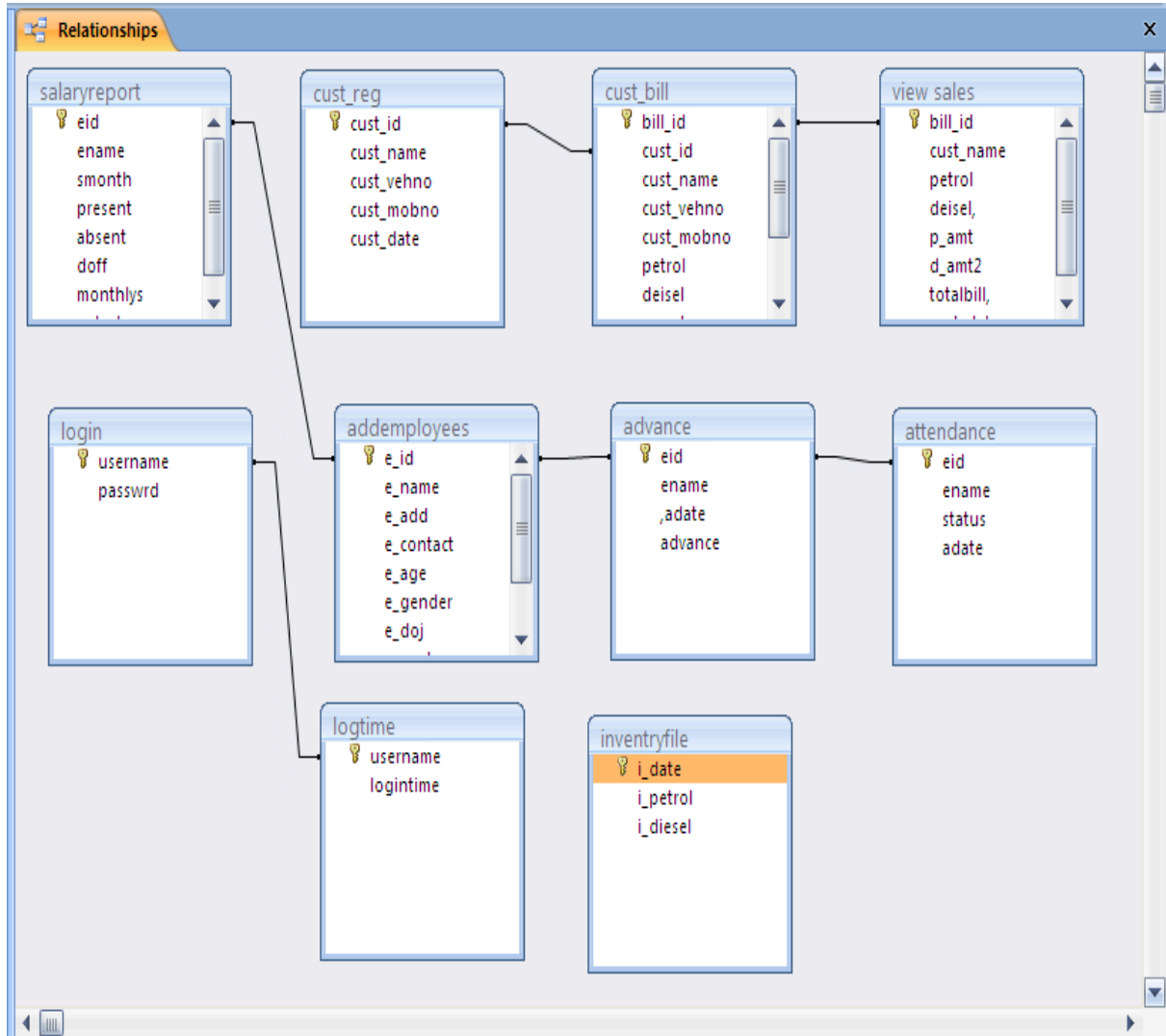
Converting ERD to Tables

<u>Entity</u>	<u>TABLE NAME</u>	<u>PURPOSE</u>
Customer	cust_reg.sql	This table is use to store, retrieve information about the customer. The field are cust_id ,cust_name, cust_vehno, cust_mobno, cust_date
Bill	cust_bill.sql	This table is use to store ,retrieve information about the Bill The field are bill_id, cust_id cust_name, cust_vehno, cust_mobno,petrol,deisel,p_amt,d_amt2,t otalbill,cust_date
Product	pro_detail.sql	This table is use to store, retrieve information about the Product price and stock. The field are p_id, p_name , p_stock, p_price
Sales	sales.sql	This table is use store information of sales The field are bill_id, cust_name, petrol, deisel, p_amt, d_amt2, totalbill, cust_date

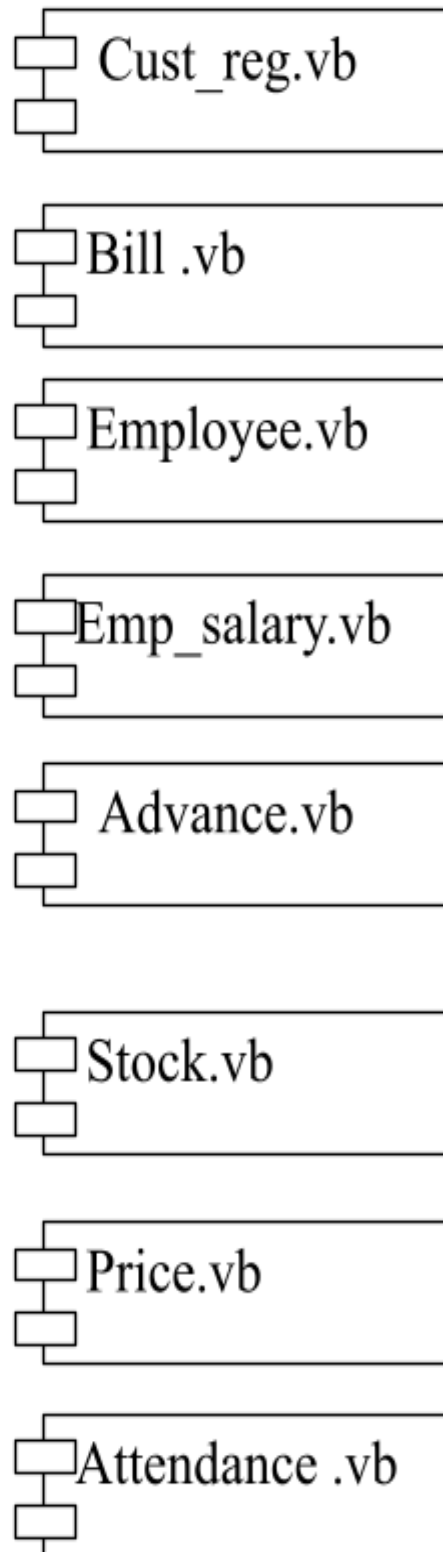
Inventory	inventoryfile.sql	This table is use to store information about inventory detail The field in the table i_date , i_petrol, i_diesel,Invoiceno.,Prodid,Prodname,type ,quantity,mrp,amt, Total. The field in the table are Custcode, CustName, Address,phno,InvoiceNo,Prodid,Prodname, type,quantity,mrp,amt,total.
Employee	addemployees.sql	This table is use store about the employee The field are e_id ,e_name ,e_add ,e_contact bigint, e_age ,e_gender ,e_doj,e_post ,e_shift ,e_salary
Attendance	attendance.sql	This table is use to store employee attendance

		The field are eid ,ename ,status ,adate ,
Advance	Advance.sql	This table is store the information about advance payment The field are eid eid ,ename ,adate ,advance
Salary	Salaryreport.sql	This table is store the information about employee salary The field are eid eid ,ename ,smnth ,present ,absent ,doff ,monthlys ,netsal
user	Login.sql	This table is store the information about User of system and their password The field are eid Username ,passwrđ
user	Logtime.sql	This table is store the information about Time when the user login to system The field are eid Username ,logintime

Relationship Diagram

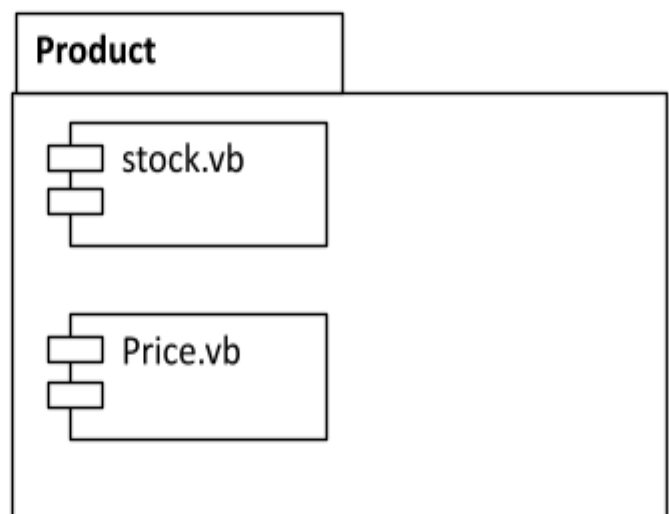
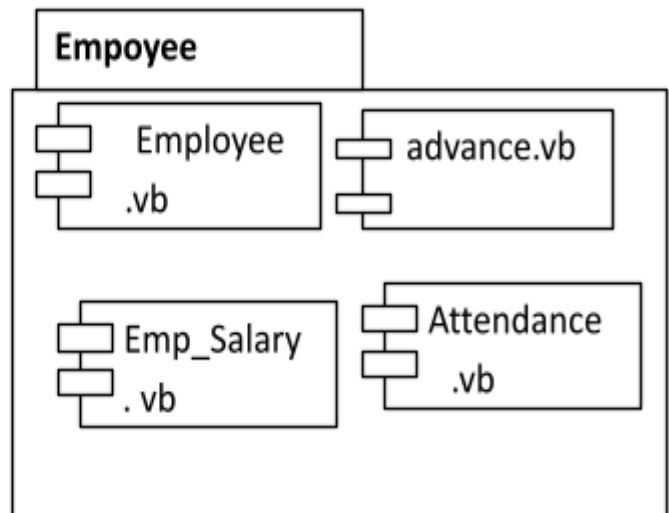
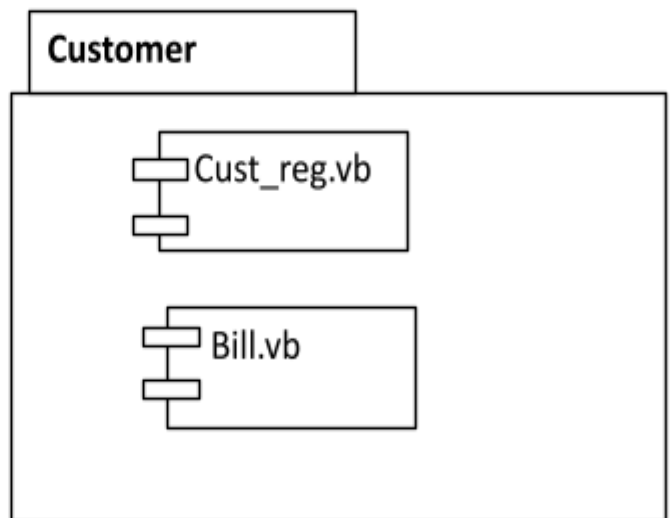


Component Diagram



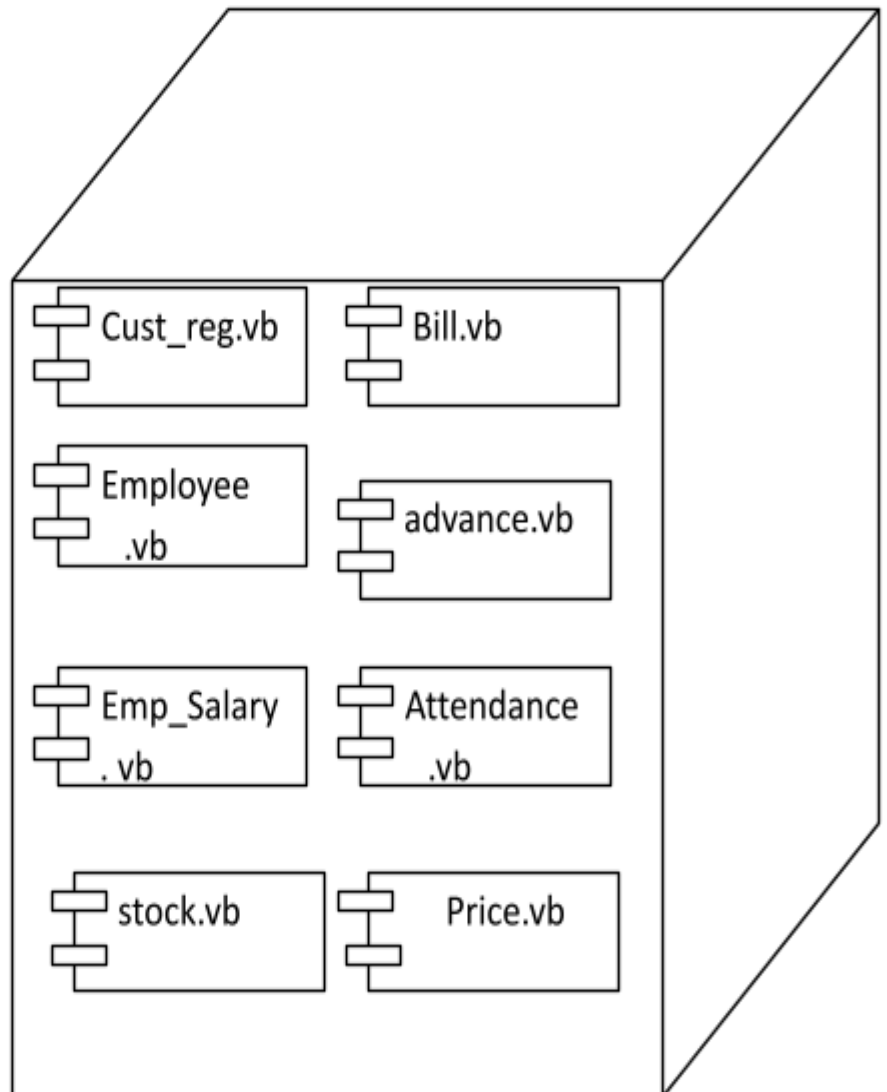
Petrol pump management system

Package Diagram



Petrol pump management system

Package Diagram



LOCAL AREA NETWORK

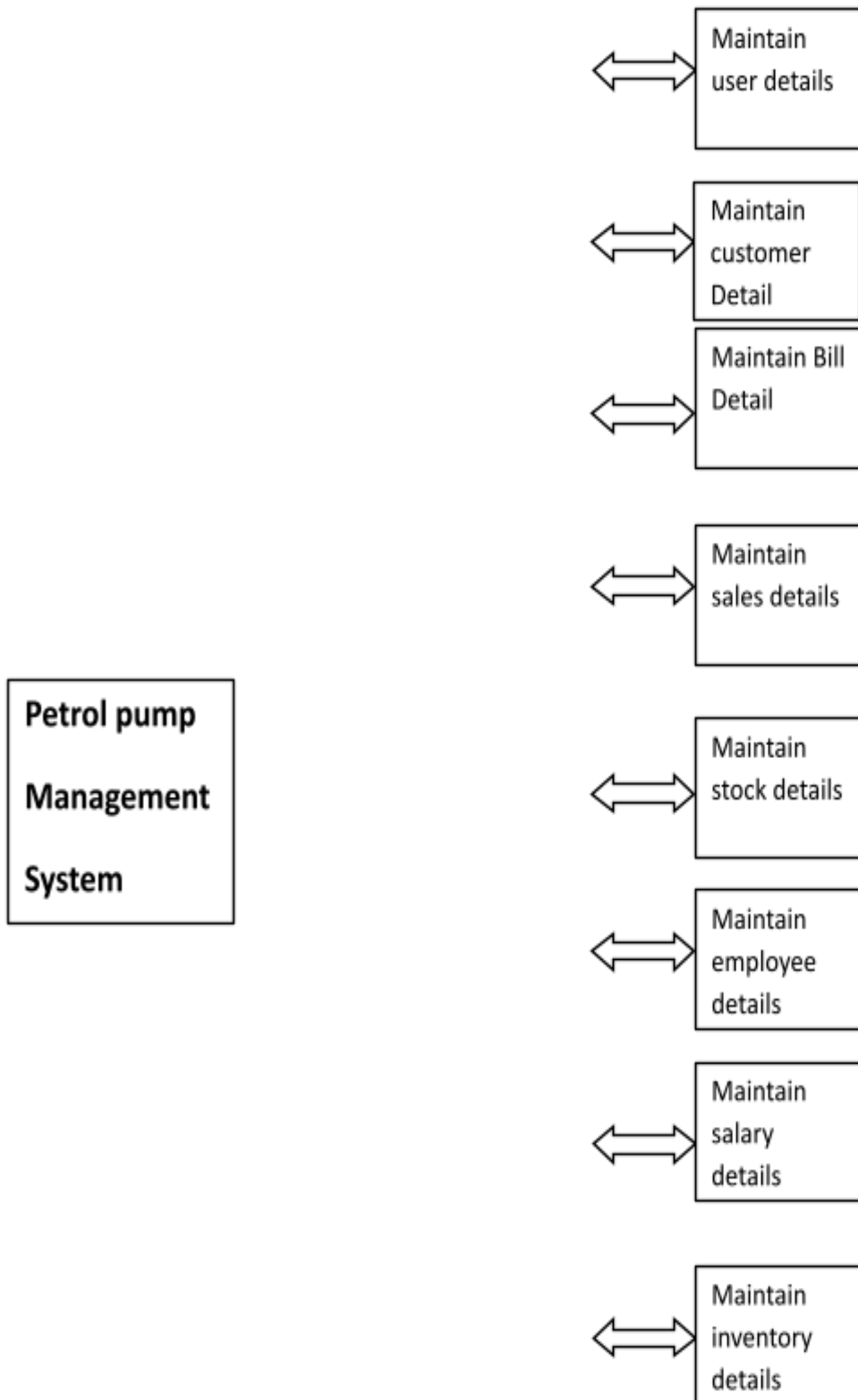
HUB

Terminal

Printer

Petrol pump management system

System Flow Chart



Login

Customer

Bill

Sales

Stock

Employee

Salary

Inventory

Stock report

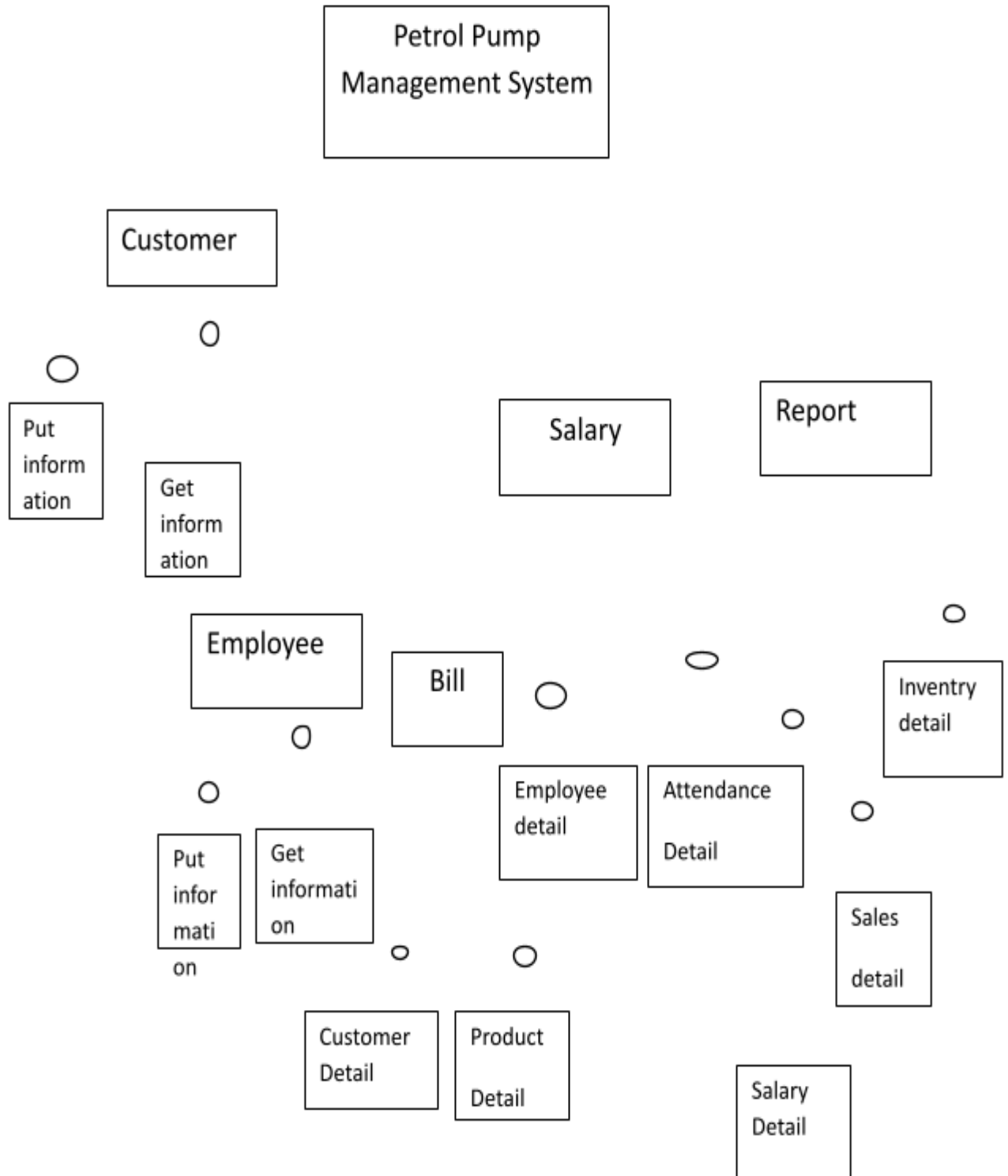
Sales report

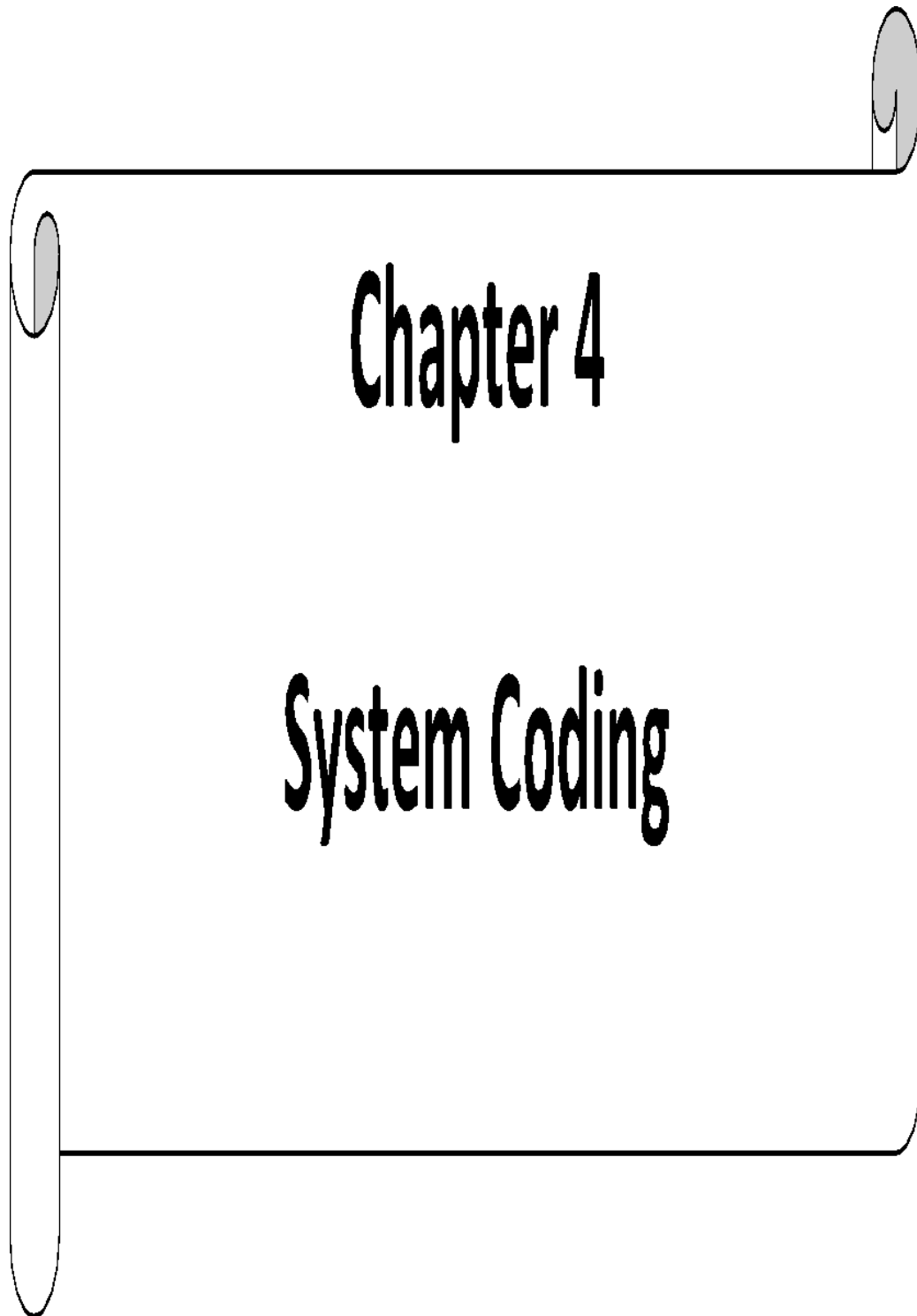
Bill report

Salary report

Inventory report

Structure Chart





Menu Tree

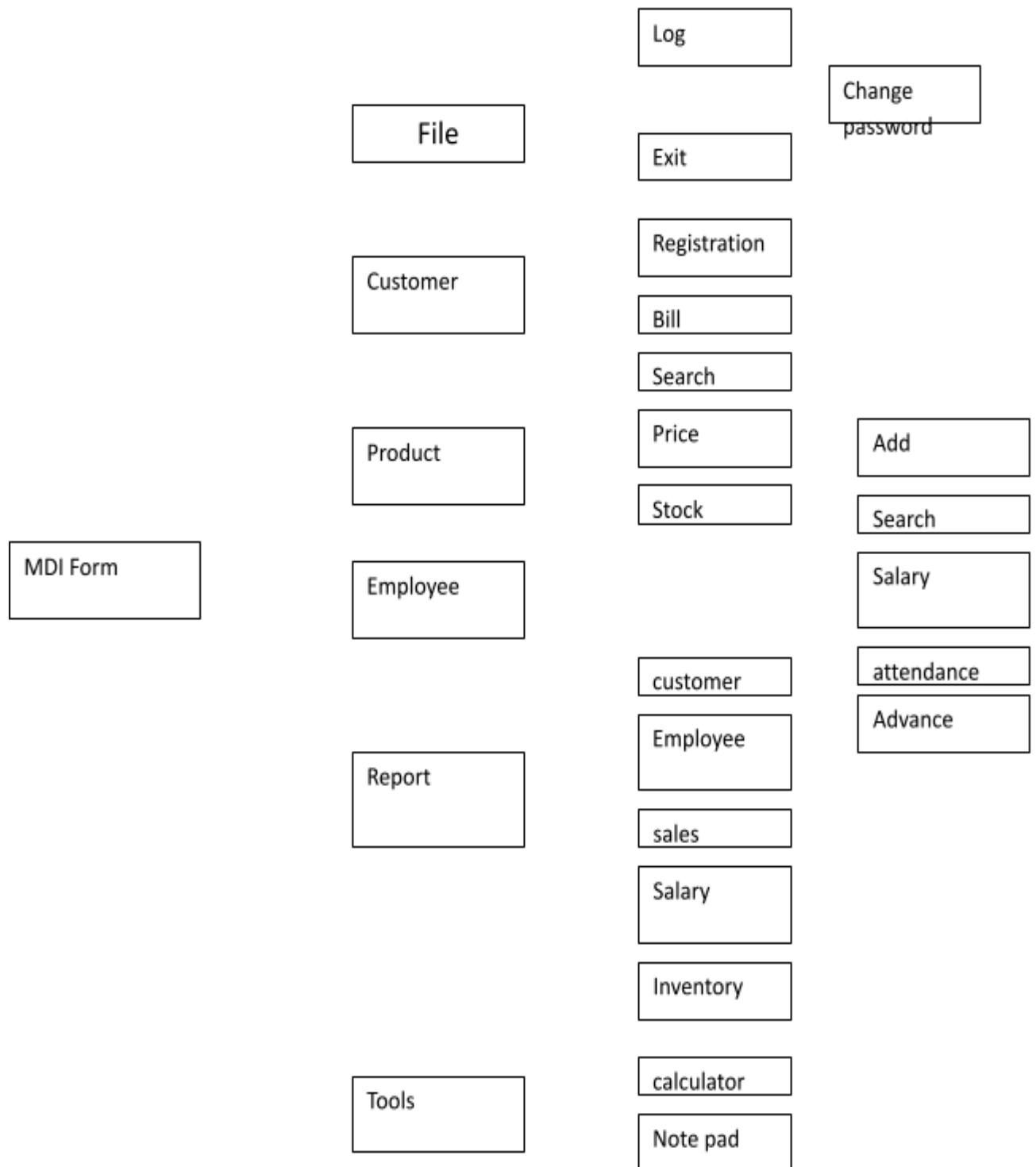


Table List

Sr.No.	Field Name	Datatype	Constraints	Size	Description
1	cust_id	Integer	Primary key		Stores the customer id
2	cust_name	Varchar		20	Stores the customer name
3	cust_vehno	Varchar		20	Stores the customer vehicle number
4	Ph_no	Bigint			Stores the customer ph.no.
5	cust_date	Datetime			Stores the registration date

1. Table name:- cust_reg

2. Table name:- cust_bill

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	bill_id	Integer	Primary key		Stores the bill id
2	cust_id	integer	Foreign key		Stores the customer id
3	cust_name	Varchar		20	Stores the customer name
4	cust_vehno	varchar		20	Stores the customer vehicle number
5	cust_mobno	bigint			Stores the customer ph.no.
6	petrol	real			Stores the amount of petrol purchased

7	deisel	real			Stores the amount of diesel purchased
8	p_amt	real			Store bill of petrol
9	d_amt2	real			Store bill of diesel
10	totalbill	real			Store total bill
11	cust_date	datetime			Store date of sale

3. Table name:- pro_detail

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	p_id	Integer	Primary key		Stores the product id
2	p_stock	Real			Stores product stock
3	p_price	real			Stores product price

4. Table name:- inventoryfile

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	i_date	datetime			Stores the inventory date
2	i_petrol	real			Stores the amount of petrol invented

3	i_diesel	real			Stores the amount of diesel invented
---	----------	------	--	--	--------------------------------------

5. Table name:- sales

Sr.No.	Field Name	Datatype	Constraints	Size	Description
1	bill_id	Integer	Foreign key		Stores the bill id
2	cust_name	Varchar		15	Stores the customer name
3	petrol	real			Stores the amount of petrol purchased
4	deisel	real			Stores the amount of diesel purchased.
5	p_amt	real			Store bill of petrol
	d_amt2	real			Store bill of diesel
	totalbill	real			Store total bill
	cust_date	datetime			Store date of sale

6 . Table name:- addemployees

Sr. No.	Field Name	Datatype	Constraints	Size	Description
---------	------------	----------	-------------	------	-------------

1	e_id	Integer	Primary key		Stores the employee id
2	e_name	Varchar		15	Stores the employee name
3	e_add	Varchar		15	Stores the employee address
4	e_contact	Bigint			Stores the employee ph.no.
5	e_age	real			Stores the employee age
6	e_gender	varchar		20	Stores the employee gender
7	e_doj	datetime			Stores the date of joining
8	e_post	varchar		20	Stores the post of employee
9	e_shift	varchar		20	Stores the shift employee
10	e_salary	real			Stores the maximum salary

7 .Table name:- attendance

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	e_id	Integer	foreign key		Stores the employee id

2	e_name	Varchar		20	Stores the employee name
3	status	Varchar		20	Stores the status of employee (present/absent/off)
4	adate	datetime			Stores the date

8 .Table name:- advance

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	e_id	Integer	foreign key		Stores the employee id
2	e_name	Varchar		20	Stores the employee name
3	adate	datetime			Stores the date advance
4	advance	real			Stores the amount taken

9 .Table name:- salaryreport

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	e_id	Integer	Foreign key		Stores the employee id

2	e_name	Varchar		20	Stores the employee name
3	smonth	Varchar		20	Stores the month of salary
4	present	integer			Stores the number of days present
5	absent	integer			Stores the number of days absent
6	doff	integer			Stores the number of days off
7	monthlys	real			Store maximum salary
8	netsal	real			Store net salary

10. Table name:- login

Sr. No.	Field Name	Datatype	Constraints	Size	Description
1	username	varchar	Primary key	10	Stores the user name
2	passwd	Varchar		10	Stores the password of user

11. Table name:- logintime

Sr. No.	Field Name	Datatype	Constraints	Size	Description

1	username	varchar	Foreign key	10	Stores the user name
2	logintime	Varchar		10	Stores the time of login

Program List

<u>NO</u>	<u>FORM NAME</u>	<u>PURPOSE</u>
1	splash.vb	This form display the title of system name of organization & copyright of the system
2	Login.vb	This form is used for security with the help of password
3	MDI.vb	This is the multiple document interface for the all of the form in the project
4	c_registration.vb	This form is use for registration of customer
5	c_billgeneration.vb	This form is use to calculate bill and store bill information

6	c_search.vb	This form use to search and delete customer information
7	price.vb	This form is use to set and get product price
8	frmstock.vb	This form is use to set and get product stock
9	addemployee.vb	This form is use for to add new employee with unique id
10	searchemp.vb	This form is use to search ,delete ,update employee information
11	attendance.vb	This form use to store attendance of employee
12	advance.vb	This form use to allocate advance payment to employee
13	salary.vb	This form use to calculate salary of employee
14	account.vb	This form use to create new user account
15	chgpas.vb	This form use to change password of user
16	printbill.vb	This form use to print bill of individual customer

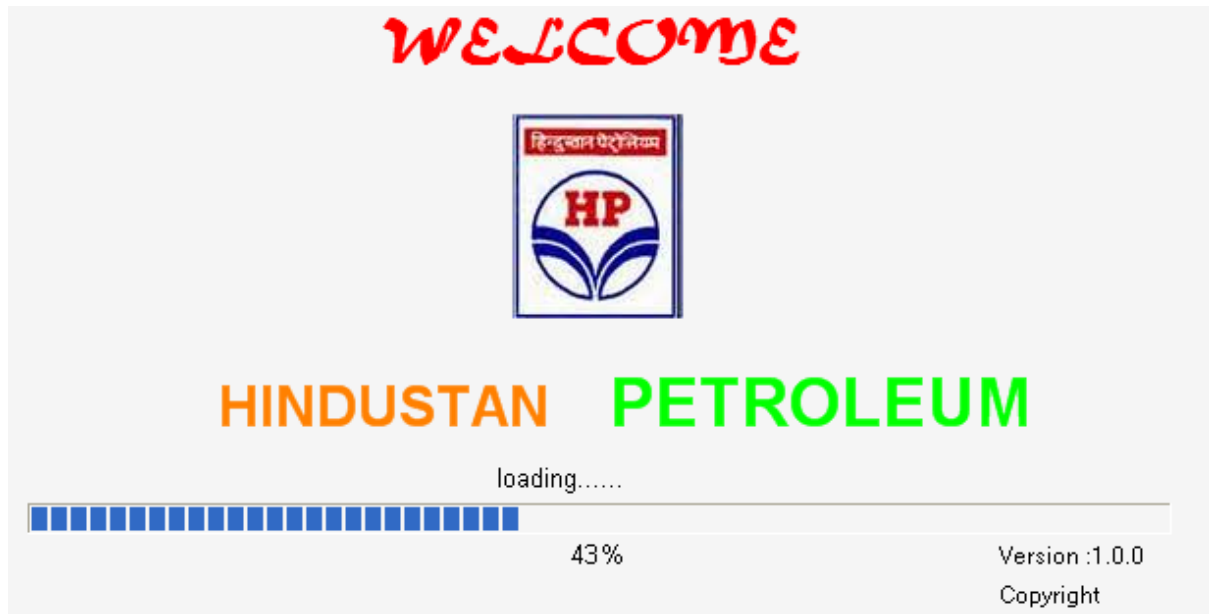
Report List

<u>NO.</u>	<u>REPORT NAME</u>	<u>PURPOSE</u>
1	CrystalReport11.rpt	This report is use to print and show the customer report
2	Crystalemp.rpt	This report is use to print & show the list of the employee
3	Crystalsalary.rpt	This report is use to print & display salary report
4	Crystalsales.rpt	This report is use f to print and show sales report
5	Crystalinventory.rpt	This report is use to print and show inventory detail

Program Description

Program Name: Splashscreen

Program Function: This is form is used to Load the system



Code:-

```
Public Class splash
    Dim per As Integer

    Private Sub Timer1_Tick(ByVal sender As System.Object, ByVal e As
        System.EventArgs) Handles Timer1.Tick

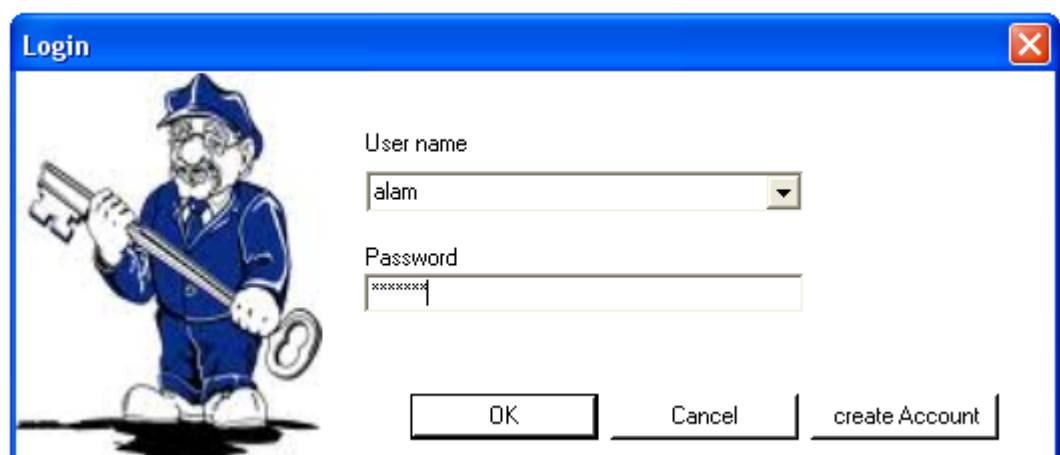
        ProgressBar1.PerformStep()
        per = per + 1
        lbls_per.Text = per

    If ProgressBar1.Value = 100 Then
        Login.Show()
        Timer1.Enabled = False
        Me.Hide()
    End If

End Sub
End Class
```

Program Name: Login

Program Function: This is form is used to Login in the system



Pseudo code:

Sr.No	Button Name	Procedure	Description
1	Ok	Click	Login to the system
2	Cancel	Click	Exit from the system
3	Create account	Click	Create new user account

Code:-

```

Imports System.Data.SqlClient
Public Class Login
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Dim chanceremain As Integer = 3
    Dim chancenno As Integer
    Public password As String
Private Sub OK_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles OK.Click

    Dim cmd As New SqlCommand

    cmd.Connection = cn
    If cn.State = ConnectionState.Open Then
        cn.Close()
    End If
    cn.Open()
    cmd.CommandText = "select passwrđ from login where username=@username"
    cmd.Parameters.Add("@username", SqlDbType.VarChar).Value =
cmbusrename.SelectedItem
    Dim reader As SqlDataReader

    reader = cmd.ExecuteReader
    While reader.Read

        password = reader.Item("passwrđ")
    End While
    If txtl_pass.Text = password Then
        cmd.Connection = cn
        If cn.State = ConnectionState.Open Then
            cn.Close()
        End If
        cn.Open()

        Dim cmd2 As New SqlCommand
        cmd2.Connection = cn
        cmd2.CommandText = "insert into logtime values(@username1,@logintime)"
        cmd2.Parameters.Add("@username1", SqlDbType.VarChar).Value =
cmbusrename.Text
        cmd2.Parameters.Add("@logintime", SqlDbType.VarChar).Value = Now
        cmd2.ExecuteNonQuery()
        MDI.Show()
        Me.Hide()
    Else

```

```

        chanceremain = chanceremain - 1
        MsgBox("invalid Password " & vbCrLf & chanceremain & " attempt remain",
MsgBoxStyle.Information)
        chanceno = chanceno + 1
        If chanceno = 3 Then
            Me.Close()

        End If
    End If

End Sub

Private Sub Cancel_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Cancel.Click
    Me.Close()

End Sub

Private Sub Login_FormClosed(ByVal sender As Object, ByVal e As
System.Windows.Forms.FormClosedEventArgs) Handles Me.FormClosed
    splash.Close()
End Sub

Private Sub Login_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load

    Dim cmd As New SqlCommand
    cmd.Connection = cn
    cn.Open()
    cmd.CommandText = "select username from login"
    Dim reader As SqlDataReader
    reader = cmd.ExecuteReader
    While reader.Read
        cmbusername.Items.Add(reader.Item("username"))

    End While
    cn.Close()
    cmbusername.SelectedIndex = 0
End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click

```



```
account.Show()  
End Sub  
End Class
```

Program Name: MDIForm

Program Function: This is form contains menus i.e. path for other forms.



Code:-

```
Imports System.Data.SqlClient

Public Class MDI
    Dim petstock As Decimal
    Dim desstock As Decimal
    Public con As New SqlConnection("Data Source=localhost;Initial
Catalog=alam;Integrated Security=True")

    Private Sub ExitToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles ExitToolStripMenuItem.Click

        sure.Show()
    End Sub

    Private Sub RegistrationToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RegistrationToolStripMenuItem.Click
        con.Open()
        Dim cmd4 As New SqlCommand
        cmd4.Connection = con
        cmd4.CommandText = "select * from pro_detail where p_id=1"
        Dim reader1 As SqlDataReader
        reader1 = cmd4.ExecuteReader
        While reader1.Read
            petstock = reader1.Item("p_stock")
        End While
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
        con.Open()
        Dim cmd5 As New SqlCommand
        cmd5.Connection = con
        cmd5.CommandText = "select * from pro_detail where p_id=2"
        Dim reader2 As SqlDataReader
        reader2 = cmd5.ExecuteReader
        While reader2.Read
            desstock = reader2.Item("p_stock")
        End While
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
        If petstock > 0 And petstock < 10 Or desstock > 0 And desstock < 10 Then
            dbregistration.Show()

        ElseIf petstock = 0 Or desstock = 0 Then
            dbregistration.Show()
        End If
    End Sub
End Class
```

```

ElseIf petstock = 0 And desstock = 0 Then
    MsgBox("total stock finished can't make registration")
Else
    c_registration.Show()
End If
End Sub

Private Sub BillGenerationToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles BillGenerationToolStripMenuItem.Click
    Dim cmd1 As New SqlCommand
    Dim cmd2 As New SqlCommand
    Dim i As Integer
    Dim j As Integer
    cmd1.Connection = con
    cmd2.Connection = con
    con.Open()
    cmd1.CommandText = "select count(*) from cust_reg"
    cmd2.CommandText = "select count(*) from cust_bill"
    i = cmd1.ExecuteScalar
    j = cmd2.ExecuteScalar
    If i = j Then
        direg.Show()
    Else
        c_billgeneration.Show()
    End If
    If con.State = ConnectionState.Open Then
        con.Close()
    End If
End Sub

Private Sub SearchToolStripMenuItem_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles SearchToolStripMenuItem.Click
    c_search.Show()
End Sub

Private Sub CustomerToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles CustomerToolStripMenuItem.Click
End Sub

Private Sub CustomerToolStripMenuItem1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles CustomerToolStripMenuItem1.Click
    billreport1.Show()
End Sub

Private Sub MDI_FormClosed(ByVal sender As Object, ByVal e As
System.Windows.Forms.FormClosedEventArgs) Handles Me.FormClosed
    Login.Close()
End Sub

```

```
Private Sub MDI_FormClosing(ByVal sender As Object, ByVal e As
System.Windows.Forms.FormClosingEventArgs) Handles Me.FormClosing
End Sub
```

```
Private Sub MDI_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
End Sub
```

```
Private Sub priceToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles priceToolStripMenuItem.Click
    price.Show()
End Sub
```

```
Private Sub PetrolToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles PetrolToolStripMenuItem.Click
    frmstock.Show()
End Sub
```

```
Private Sub InventoryReportToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
InventoryReportToolStripMenuItem.Click
    inventoryreport1.Show()
End Sub
```

```
Private Sub AddNewToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles AddNewToolStripMenuItem.Click
    addemployee.Show()
End Sub
```

```
Private Sub CalculateSalaryToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CalculateSalaryToolStripMenuItem.Click
    searchemp.Show()
End Sub
```

```
Private Sub SalesReportToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles SalesReportToolStripMenuItem.Click
    sales.Show()
End Sub
```

```
Private Sub AttendaceToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles AttendaceToolStripMenuItem.Click
    attendance.Show()
End Sub
```

End Sub

```
Private Sub SalaryCalculationToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
SalaryCalculationToolStripMenuItem.Click
    salary.Show()
```

End Sub

```
Private Sub AdvancePaymentToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
AdvancePaymentToolStripMenuItem.Click
    advance.Show()
```

End Sub

```
Private Sub EmployeeToolStripMenuItem1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles EmployeeToolStripMenuItem1.Click
    emprecord.Show()
```

End Sub

```
Private Sub SalaryToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles SalaryToolStripMenuItem.Click
    Salaryreport.Show()
```

End Sub

```
Private Sub LogToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles LogToolStripMenuItem.Click
    logreport.Show()
```

End Sub

```
Private Sub CalculatorToolStripMenuItem_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles CalculatorToolStripMenuItem.Click
    Process.Start("C:\WINDOWS\system32\calc.exe")
```

End Sub

```
Private Sub NotepadToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles NotepadToolStripMenuItem.Click
    Process.Start("C:\WINDOWS\system32\notepad.exe")
```

End Sub

```
Private Sub ChangePasswordToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ChangePasswordToolStripMenuItem.Click
    chgpass.Show()
```

End Sub

End Class

Program Name: Cust_reg

Program Function: This form is used to register customer and its details

Data entry form:

The screenshot shows a software window titled 'MDI' with a menu bar (File, Customer, Employee, Product, Report, Tools, Help). Inside, a 'Registration' dialog box is open. The dialog has a blue header with the HP logo and 'HINDUSTAN PETROLIUM' in orange and green. Below this, there's a 'next' button and the date '12/30/2010'. The form contains four input fields: 'ID' with the value '6', 'NAME' with 'Aniket Pandit', 'VEHICLE NO.' with 'MH-06-G-4521', and 'CONTACT NO.' with '9321784574'. A 'SUBMIT' button is located at the bottom right of the form area.

Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
1	SUBMIT	Click	Register the customer
2	next	Click	Allows next unique id to customer

Code:-

```
Imports System.Data.SqlClient
```

```
Public Class c_registration
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Dim petstock As Decimal
    Dim desstock As Decimal
    Dim DA As New SqlDataAdapter("select * from cust_reg;", cn)
    Dim odv As DataView
    Dim ode As New DataSet
    Dim objcur As CurrencyManager
    Public Sub filldatasetandview()
        ode.Tables.Clear()
        DA.Fill(ode, "cust_reg")
        odv = New DataView(ode.Tables("cust_reg"))
        objcur = CType(Me.BindingContext(odv), CurrencyManager)

    End Sub
    Public Sub bindfields()
        txtc_r_ID.DataBindings.Clear()
        txtc_r_ID.DataBindings.Add("text", odv, "cust_id")
    End Sub
```

```
    Private Sub btnc_r_new_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_r_new.Click
        txtc_r_contno.Text = ""
        txtc_r_name.Text = ""
        txtc_r_vehno.Text = ""
        cn.Open()
        Dim cmd4 As New SqlCommand
        cmd4.Connection = cn
        cmd4.CommandText = "select * from pro_detail where p_id=1"
        Dim reader1 As SqlDataReader
        reader1 = cmd4.ExecuteReader
        While reader1.Read
            petstock = reader1.Item("p_stock")
        End While
        If cn.State = ConnectionState.Open Then
            cn.Close()
        End If
        cn.Open()
```

```

Dim cmd5 As New SqlCommand
cmd5.Connection = cn
cmd5.CommandText = "select * from pro_detail where p_id=2"
Dim reader2 As SqlDataReader
reader2 = cmd5.ExecuteReader
While reader2.Read
    desstock = reader2.Item("p_stock")
End While
If cn.State = ConnectionState.Open Then
    cn.Close()
End If
If petstock > 0 And petstock < 10 Or desstock > 0 And desstock < 10 Then
    MsgBox("petrol stock is " & petstock & "ltr. & diesel stock is" & desstock & "ltr.")

ElseIf petstock = 0 Or desstock = 0 Then
    MsgBox("petrol stock is " & petstock & " ltr. & diesel stock is " & desstock & "
ltr.")

ElseIf petstock = 0 And desstock = 0 Then
    MsgBox("total stock finished can't make registration")
    Me.Close()

End If
filldatasetandview()
bindfields()
objcur.Position = objcur.Count - 1
txtc_r_ID.Text = Val(txtc_r_ID.Text) + 1

If cn.State = ConnectionState.Open Then
    cn.Close()

End If

End Sub

Private Sub btnc_r_submit_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_r_submit.Click

```

```

Dim cmd As New SqlCommand
cmd.Connection = cn
cn.Open()

cmd.CommandText = "insert into cust_reg
values(@cust_id,@cust_name,@cust_vehno,@cust_mobno,@cust_date)"
cmd.Parameters.Add("@cust_id", SqlDbType.Int).Value = Val(txtc_r_ID.Text)
cmd.Parameters.Add("@cust_name", SqlDbType.VarChar).Value = txtc_r_name.Text
cmd.Parameters.Add("@cust_vehno", SqlDbType.VarChar).Value =
txtc_r_vehno.Text
cmd.Parameters.Add("@cust_mobno", SqlDbType.BigInt).Value =
Val(txtc_r_contno.Text)
cmd.Parameters.Add("@cust_date", SqlDbType.VarChar).Value = (txtc_r_date.Text)
If cmd.ExecuteNonQuery = 1 Then
    MsgBox("customer Registered succesfully")
Else
    MsgBox("not")
End If
If cn.State = ConnectionState.Open Then
    cn.Close()

End If
End Sub

```

```

Private Sub c_registration_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load

```

```

    txtc_r_date.Text = Now.ToString("d")
    filldatasetandview()
    bindfields()
    objcur.Position = objcur.Count - 1
    txtc_r_ID.Text = Val(txtc_r_ID.Text) + 1

```

```

End Sub

```

```

Private Sub Panel2_Paint(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.PaintEventArgs) Handles Panel2.Paint

```

```

End Sub

```

```

Private Sub txtc_r_contno_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtc_r_contno.KeyPress

```

```

    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
    End If

```

```

        MsgBox("enter only digit")
    End If
    If txtc_r_contno.TextLength > 11 Then
        e.Handled = True
        MsgBox("Maximum 12 Digit are allowed")
    End If
End Sub

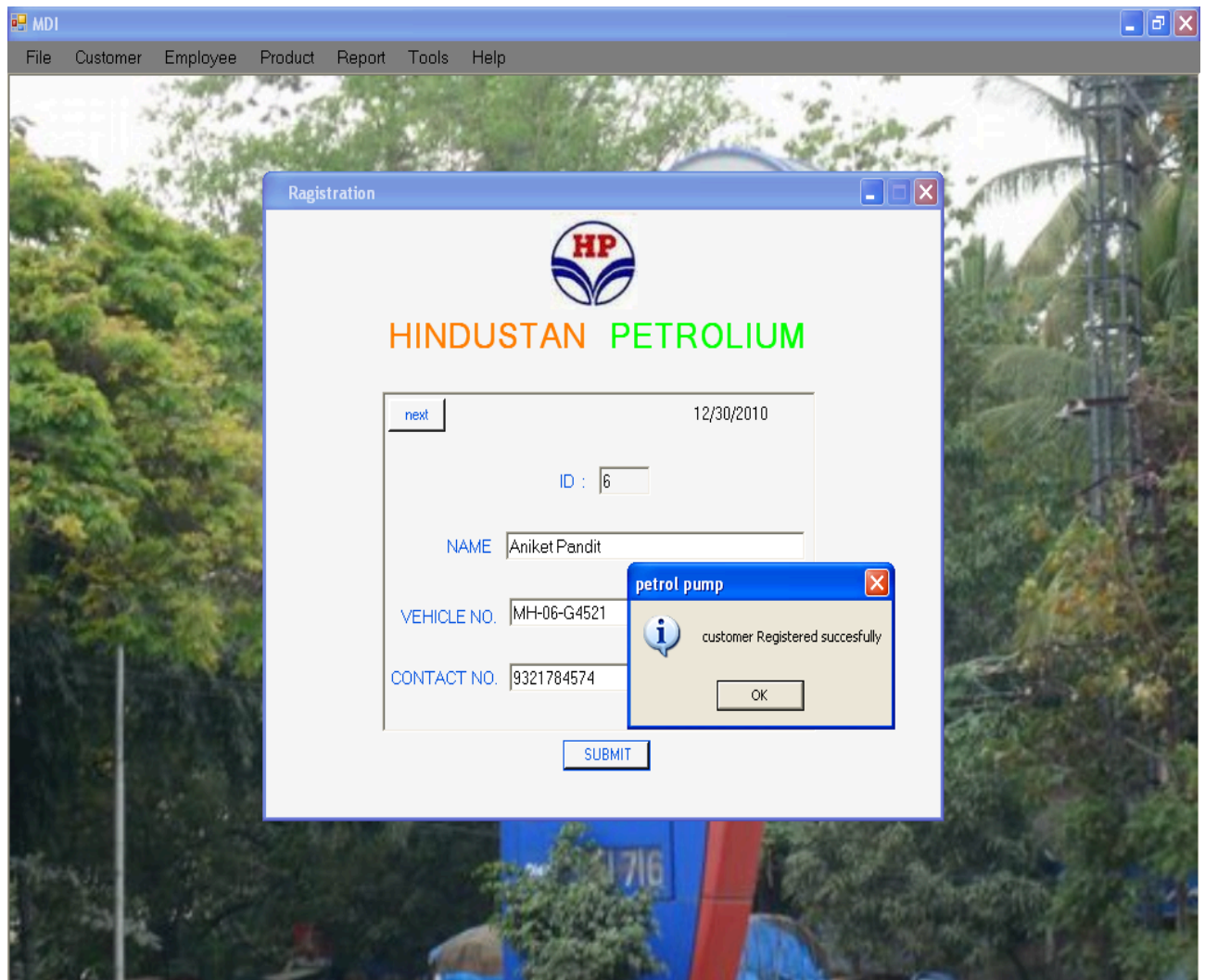
Private Sub txtc_r_name_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtc_r_name.KeyPress
    Dim c As Char
    c = e.KeyChar
    If (Char.IsDigit(c)) Then
        e.Handled = True
        MsgBox("Number are not allowed")
    End If
End Sub

Private Sub txtc_r_contno_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtc_r_contno.TextChanged
    If txtc_r_contno.TextLength = 12 Then

        MsgBox("Maximum 12 Digit are allowed")
    End If
End Sub
End Class

```

Test Result:



Program Name:Cust_bill

Program Function: This is form is use to calculate bill and save bill detail

Data entry form:

Sr. No.	Button Name	Procedure	Description
1	Calculate bill	Click	Calculate bill
	save	Click	Save bill detail
2	next	Click	Generate next bill id

Code:-

```
Imports System.Data.SqlClient
```

```
Public Class c_billgeneration
    Dim petstock As Decimal
    Dim desstock As Decimal
    Public con As New SqlConnection(MDI.con.ConnectionString)
    Dim DA As New SqlDataAdapter("select * from cust_bill;", con)
    Dim odv As DataView
    Dim ode As New DataSet
    Dim objcur As CurrencyManager
    Dim DA1 As New SqlDataAdapter("select * from cust_reg;", con)
    Dim odv1 As DataView
    Dim ode1 As New DataSet
    Dim objcur1 As CurrencyManager
    Public Sub filldatasetandview()
        ode.Tables.Clear()
        DA.Fill(ode, "cust_bill")
        odv = New DataView(ode.Tables("cust_bill"))
        objcur = CType(Me.BindingContext(odv), CurrencyManager)
    End Sub
    Public Sub bindfields()
        txtc_b_bid.DataBindings.Clear()
        txtc_b_bid.DataBindings.Add("text", odv, "cust_id")
    End Sub
    Public Sub filldatasetandview1()
        ode1.Tables.Clear()
        DA1.Fill(ode1, "cust_reg")
        odv1 = New DataView(ode1.Tables("cust_reg"))
        objcur1 = CType(Me.BindingContext(odv1), CurrencyManager)
    End Sub
    Public Sub bindfields1()
        txtc_b_cid.DataBindings.Clear()
        txtc_b_cid.DataBindings.Add("text", odv1, "cust_id")
    End Sub
    Private Sub chbc_b_petrol_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chbc_b_petrol.CheckedChanged
        If chbc_b_petrol.Checked Then
            txtc_b_petrol1.ReadOnly = False
            txtc_b_petrol1.BackColor = Color.White
        Else
            txtc_b_petrol1.Text = ""
            txtC_b_totalbill.Text = ""
        End If
    End Sub
End Class
```

```

        txtc_b_petrol1.ReadOnly = True
        txtc_b_petrol1.BackColor = Color.WhiteSmoke
    End If
End Sub

Private Sub chbc_b_deisel_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chbc_b_deisel.CheckedChanged
    If chbc_b_deisel.Checked Then
        txtc_b_deisel1.ReadOnly = False
        txtc_b_deisel1.BackColor = Color.White

    Else
        txtc_b_deisel1.Text = ""
        txtC_b_totalbill.Text = ""
        txtc_b_deisel1.ReadOnly = True
        txtc_b_deisel1.BackColor = Color.WhiteSmoke
    End If
End Sub

Private Sub btnc_b_refresh_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnc_b_refresh.Click
    If con.State = ConnectionState.Open Then
        con.Close()
    End If
    con.Open()
    filldatasetandview()
    bindfields()
    objcur.Position = objcur.Count - 1

    filldatasetandview1()
    bindfields1()
    objcur1.Position = objcur1.Count - 1

    If txtc_b_bid.Text = txtc_b_cid.Text Then
        direg.Show()
    Else
        txtc_b_bid.Text = Val(txtc_b_bid.Text) + 1

        Dim cmd3 As New SqlCommand
        cmd3.Connection = con
        cmd3.CommandText = "select * from cust_reg where cust_id=@cust_id"
        cmd3.Parameters.Add("@cust_id", SqlDbType.Int)
        cmd3.Parameters("@cust_id").Value = Val(txtc_b_bid.Text)
        Dim reader As SqlDataReader
        reader = cmd3.ExecuteReader
        While reader.Read

```



```

        txtc_b_cid.Text = reader.Item("cust_id")
        txtc_b_name.Text = reader.Item("cust_name")
        txtc_b_vehno.Text = reader.Item("cust_vehno")
        txtc_b_contno.Text = reader.Item("cust_mobno")
    End While
End If
chbc_b_petrol.Checked = False
chbc_b_deisel.Checked = False
txtc_petrolbill.Text = ""
txtc_deiselbill.Text = ""
txtC_b_totalbill.Text = ""
If con.State = ConnectionState.Open Then
    con.Close()
End If
End Sub
Private Sub c_billgeneration_Enter(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Enter

End Sub

Private Sub c_billgeneration_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load

    Txtc_b_date.Text = Now.ToString("d")

    If con.State = ConnectionState.Open Then
        con.Close()
    End If
    con.Open()

    filldatasetandview()
    bindfields()
    objcur.Position = objcur.Count - 1
    txtc_b_bid.DataBindings.Clear()
    txtc_b_bid.Text = Val(txtc_b_bid.Text) + 1
    Dim cmd3 As New SqlCommand
    cmd3.Connection = con
    cmd3.CommandText = "select * from cust_reg where cust_id=@cust_id"
    cmd3.Parameters.Add("@cust_id", SqlDbType.Int)
    cmd3.Parameters("@cust_id").Value = Val(txtc_b_bid.Text)
    Dim reader As SqlDataReader
    reader = cmd3.ExecuteReader
    While reader.Read
        txtc_b_cid.Text = reader.Item("cust_id")
        txtc_b_name.Text = reader.Item("cust_name")
        txtc_b_vehno.Text = reader.Item("cust_vehno")
        txtc_b_contno.Text = reader.Item("cust_mobno")
    End While
End Sub

```

```

End While
If con.State = ConnectionState.Open Then
    con.Close()
End If
con.Open()
Dim cmd4 As New SqlCommand
cmd4.Connection = con
cmd4.CommandText = "select * from pro_detail where p_id=1"
Dim reader1 As SqlDataReader
reader1 = cmd4.ExecuteReader
While reader1.Read
    txtc_petprice.Text = reader1.Item("p_price")
    petstock = reader1.Item("p_stock")
End While
If con.State = ConnectionState.Open Then
    con.Close()

End If
con.Open()

Dim cmd5 As New SqlCommand
cmd5.Connection = con
cmd5.CommandText = "select * from pro_detail where p_id=2"
Dim reader2 As SqlDataReader
reader2 = cmd5.ExecuteReader
While reader2.Read
    txtc_deisprice.Text = reader2.Item("p_price")
    desstock = reader2.Item("p_stock")
End While
If con.State = ConnectionState.Open Then
    con.Close()
End If

End Sub
Private Sub btnc_b_finalbill_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_b_finalbill.Click
    If Val(txtc_b_petrol1.Text) > 0 Or Val(txtc_b_deisel1.Text) > 0 Then

        Dim petprice As Decimal
        Dim desprice As Decimal
        Dim petquantity As Decimal
        Dim desquantity As Decimal
        Dim amt1 As Decimal
        Dim amt2 As Decimal
        Dim finalbill As Decimal
        petprice = Val(txtc_petprice.Text)
    
```

```

desprice = Val(txtc_deisprice.Text)
petquantity = Val(txtc_b_petrol1.Text)
desquantity = Val(txtc_b_deisel1.Text)
If petstock - petquantity < 0 And desstock - desquantity >= 0 Then
    MsgBox("petrol stock is only " & petstock & " ltr")
    chbc_b_petrol.Checked = False
    txtC_b_totalbill.Text = ""
ElseIf petstock - petquantity >= 0 And desstock - desquantity < 0 Then
    MsgBox("Diesel stock is only " & petstock & " ltr")
    chbc_b_deisel.Checked = False
    txtC_b_totalbill.Text = ""
ElseIf petstock - petquantity < 0 And desstock - desquantity < 0 Then
    MsgBox("Petrol stock is only " & petstock & " ltr. & Diesel stock is " &
desstock & " ltr.")
    chbc_b_petrol.Checked = False
    chbc_b_deisel.Checked = False
    txtC_b_totalbill.Text = ""
Else
    amt1 = petprice * petquantity
    amt2 = desprice * desquantity
    finalbill = amt1 + amt2
    txtc_petrolbill.Text = amt1
    txtc_deiselbill.Text = amt2
    txtC_b_totalbill.Text = finalbill

End If
Else
    MsgBox("nothing purchest to make bill")

End If

```

End Sub

```

Private Sub Btnc_b_save_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Btnc_b_save.Click
    Dim cmd6 As New SqlCommand
    con.Open()
    cmd6.Connection = con
    cmd6.CommandText = "insert into cust_bill
values(@bill_id,@cust_id,@cust_name,@cust_vehno,@cust_mobno,@petrol,@deisel,@
p_amt,@d_amt2,@totalbill,@cust_date)"
    cmd6.Parameters.Add("@cust_id", SqlDbType.Int)
    cmd6.Parameters.Add("@cust_name", SqlDbType.VarChar)
    cmd6.Parameters.Add("@cust_vehno", SqlDbType.VarChar)
    cmd6.Parameters.Add("@cust_mobno", SqlDbType.BigInt)
    cmd6.Parameters.Add("@cust_date", SqlDbType.VarChar)
    cmd6.Parameters("@cust_id").Value = Val(txtc_b_cid.Text)
    cmd6.Parameters("@cust_name").Value = txtc_b_name.Text

```

```

cmd6.Parameters("@cust_vehno").Value = txtc_b_vehno.Text
cmd6.Parameters("@cust_mobno").Value = Val(txtc_b_contno.Text)
cmd6.Parameters("@cust_date").Value = (Txtc_b_date.Text)
cmd6.Parameters.Add("@bill_id", SqlDbType.Int)
cmd6.Parameters.Add("@petrol", SqlDbType.Real)
cmd6.Parameters.Add("@deisel", SqlDbType.Real)
cmd6.Parameters.Add("@p_amt", SqlDbType.Real)
cmd6.Parameters.Add("@d_amt2", SqlDbType.Real)
cmd6.Parameters.Add("@totalbill", SqlDbType.Real)
cmd6.Parameters("@bill_id").Value = Val(txtc_b_bid.Text)
cmd6.Parameters("@petrol").Value = Val(txtc_b_petrol1.Text)
cmd6.Parameters("@deisel").Value = Val(txtc_b_deisel1.Text)
cmd6.Parameters("@p_amt").Value = Val(txtc_petrolbill.Text)
cmd6.Parameters("@d_amt2").Value = Val(txtc_deiselbill.Text)
cmd6.Parameters("@totalbill").Value = Val(txtC_b_totalbill.Text)
If cmd6.ExecuteNonQuery = 1 Then
    MsgBox(" bill successfully generated")
    printbill.Show()
Else
    MsgBox("not")
End If
If con.State = ConnectionState.Open Then
    con.Close()
End If
Dim cmd7 As New SqlCommand
cmd7.Connection = con
con.Open()
cmd7.CommandText = "update pro_detail set p_stock=@p_stock where p_id=1"
cmd7.Parameters.Add("@p_stock", SqlDbType.Real)
cmd7.Parameters("@p_stock").Value = petstock - Val(txtc_b_petrol1.Text)
cmd7.ExecuteNonQuery()
If con.State = ConnectionState.Open Then
    con.Close()
End If
petstock = petstock - Val(txtc_b_petrol1.Text)
Dim cmd8 As New SqlCommand
cmd8.Connection = con
con.Open()
cmd8.CommandText = "update pro_detail set p_stock=@p_stock where p_id=2"
cmd8.Parameters.Add("@p_stock", SqlDbType.Real)
cmd8.Parameters("@p_stock").Value = desstock - Val(txtc_b_deisel1.Text)
cmd8.ExecuteNonQuery()
If con.State = ConnectionState.Open Then
    con.Close()
End If
desstock = desstock - Val(txtc_b_deisel1.Text)
End Sub

```

```

Private Sub txtC_b_totalbill_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtC_b_totalbill.TextChanged
    If Val(txtC_b_totalbill.Text) > 0 Then
        BtnC_b_save.Enabled = True

    ElseIf Val(txtC_b_totalbill.Text) = 0 Then
        BtnC_b_save.Enabled = False
    End If
End Sub
Private Sub txtC_b_petrol1_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtC_b_petrol1.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub
Private Sub txtC_b_deisel1_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtC_b_deisel1.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub
Private Sub Panel1_Paint(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.PaintEventArgs) Handles Panel1.Paint

End Sub
End Class

```

Test Result:

The screenshot displays the 'BILL' window of the Petrol Pump Management System. The window features the HP logo and the text 'HINDUSTAN PETROLIUM'. The date '12/30/2010' is shown. The 'BILL' section includes fields for 'BILL ID' (6), 'CUSTOMER ID' (6), 'NAME' (Aniket Pandit), 'VEHICLE NO.' (MH-06-G4521), and 'PHONE NO.' (9321784574). The 'Product Price' section shows 'PETROL' at 62.65 Rs/ltr and 'DIESEL' at 46.405 Rs/ltr. The 'AMOUNT' section shows 'PETROL' at 125.30 Rs and 'DIESEL' at 0.00 Rs. The 'TOTAL BILL' is 125.300. A 'CALCULATE BILL' button is present. A 'petrol pump' dialog box is open, displaying the message 'bill successfully generated' and an 'OK' button.

Product	Price (Rs/ltr)	Amount (Rs)
PETROL	62.65	125.30
DIESEL	46.405	0.00
TOTAL BILL		125.300

Program Name : printbill

Program Function: This is form is use to calculate bill and save bill detail

Data entry form:

bill

HINDUSTAN PETROLEUM
Plot No. 3, sector11 Vashi,navi Mumbai 400000

Name: Aniket Pandit Bill No. 6
Veh. No. MH-06-G4521 Date: 12/30/2010

Qty(Ltr.)	description	Rs./Ltr.	amt(Rs.)
2 Ltr.	Petrol	62.65	125.3
0 Ltr.	Diesel	46.405	0
Total(Rs.)			125.3

xyz
Authorized signature

Pseudo Code:

Sr. No.	Button Name	Procedure	Description
1	Print	Click	Print bill

Code:-

```

Public Class printbill
    Dim b As c_billgeneration
    Private Sub printbill_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        lblname.Text = c_billgeneration.txtc_b_name.Text
        lblvehicle.Text = c_billgeneration.txtc_b_vehno.Text
        lblbill.Text = c_billgeneration.txtc_b_bid.Text
        lblqpetrol.Text = Val(c_billgeneration.txtc_b_petrol1.Text) & " ltr."
        lblqdiesel.Text = Val(c_billgeneration.txtc_b_deisel1.Text) & " ltr."
        lblpetprice.Text = c_billgeneration.txtc_petprice.Text
        lbldieselprice.Text = c_billgeneration.txtc_deisprice.Text
        lblpetamt.Text = Val(c_billgeneration.txtc_petrolbill.Text)
        lbldieselamt.Text = Val(c_billgeneration.txtc_deiselbill.Text)
        lbltotal.Text = Val(c_billgeneration.txtC_b_totalbill.Text)
        lbldate.Text = c_billgeneration.Txtc_b_date.Text
    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Button1.Visible = False
        PrintForm1.Print(Me,
PowerPacks.Printing.PrintForm.PrintOption.CompatibleModeClientAreaOnly)
        Button1.Visible = True
    End Sub

End Class

```


Program Name:c_search

Program Function: This is form is use to search and delete Customer with bill detail

Data entry form:

The screenshot shows a Windows MDI application titled 'MDI' with a menu bar (File, customer, employee, product, report, Tools, Help). The main window displays a background image of an HP petrol pump. Overlaid on this is a 'Search' dialog box with the HP logo and 'HINDUSTAN PETROLIUM' text. The dialog is divided into two sections: 'CUSTOMER DETAIL' and 'BILL DETAIL'. The 'CUSTOMER DETAIL' section contains fields for CUSTOMER ID (2), NAME (Jaivinder Negi), VEHICLE NO. (MH-43-D-7589), and PHONE NO. (9870254689). The 'BILL DETAIL' section contains fields for BILL ID (2), DATE (12/27/2010), PETROL (0 ltr, 0 Rs.), DIESEL (3 ltr, 139.215 Rs.), and a TOTAL BILL field (139.215). At the bottom of the dialog are five buttons: a close button (X), a first record button (double left arrow), a previous record button (single left arrow), a next record button (single right arrow), and a last record button (double right arrow).

Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
1	Delete	Click	Deletes the current Record.
2	First	Click	Display First Record.
3	Previous	Click	Display Previous Record.

4	Next	Click	Display Next record.
5	Last	Click	Display Last Record.
6	Search	Click	To Search Record.

Code:-

```
Imports System.Data.SqlClient
Public Class c_search
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Dim DA As New SqlDataAdapter("select * from cust_bill;", cn)
    Dim odv As DataView
    Dim ode As New DataSet
    Dim objcur As CurrencyManager
    Private Sub c_search_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        filldatasetandview()
        bindfields()
    End Sub
    Public Sub filldatasetandview()
        ode.Tables.Clear()
        DA.Fill(ode, "cust_bill")
        odv = New DataView(ode.Tables("cust_bill"))
        objcur = CType(Me.BindingContext(odv), CurrencyManager)
    End Sub
    Public Sub bindfields()
        txtc_s_cid.DataBindings.Clear()
        txtc_s_bid.DataBindings.Clear()
        txtc_s_name.DataBindings.Clear()
        txtc_s_vehno.DataBindings.Clear()
        txtc_s_contno.DataBindings.Clear()
        txtc_petrolbill.DataBindings.Clear()
        txtc_deiselbill.DataBindings.Clear()
        txtc_s_deisel1.DataBindings.Clear()
        txtc_s_petrol1.DataBindings.Clear()
        txtc_s_date.DataBindings.Clear()
        txtc_s_totalbill.DataBindings.Clear()
        txtc_s_cid.DataBindings.Add("text", odv, "cust_id")
        txtc_s_bid.DataBindings.Add("text", odv, "bill_id")
        txtc_s_name.DataBindings.Add("text", odv, "cust_name")
        txtc_s_vehno.DataBindings.Add("text", odv, "cust_vehno")
        txtc_s_contno.DataBindings.Add("text", odv, "cust_mobno")
        txtc_petrolbill.DataBindings.Add("text", odv, "p_amt")
        txtc_deiselbill.DataBindings.Add("text", odv, "d_amt2")
        txtc_s_deisel1.DataBindings.Add("text", odv, "deisel")
        txtc_s_petrol1.DataBindings.Add("text", odv, "petrol")
        txtc_s_date.DataBindings.Add("text", odv, "cust_date")
        txtc_s_totalbill.DataBindings.Add("text", odv, "totalbill")
    End Sub
    Private Sub btnc_s_1st_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_s_1st.Click
```

```

    objcur.Position = 0
End Sub
Private Sub btnc_s_next_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_s_next.Click
    objcur.Position = objcur.Position + 1
End Sub
Private Sub btnc_s_pre_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_s_pre.Click
    objcur.Position = objcur.Position - 1
End Sub
Private Sub btnc_s_last_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnc_s_last.Click
    objcur.Position = objcur.Count - 1
End Sub

Private Sub ToolStripButton3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs)
    objcur.Position = objcur.Position + 1
End Sub
Private Sub ToolBTNsearch_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles ToolBTNsearch.Click
    odv.Sort = "cust_id"
    Dim intposition As Integer
    intposition = odv.Find(Val(ToolStripTxtsearch.Text))
    If intposition = -1 Then
        MsgBox("no record found")
    Else
        objcur.Position = intposition
    End If
End Sub
Private Sub btndelete_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btndelete.Click
    If cn.State = ConnectionState.Open Then
        cn.Close()
    End If
    cn.Open()
    Dim intposition As Integer
    Dim cmd As New SqlCommand
    Dim cmd1 As New SqlCommand
    intposition = Me.BindingContext(odv).Position - 1
    If intposition < 0 Then
        intposition = 1 End If
    cmd.Connection = cn
    cmd.CommandText = "delete from cust_bill where bill_id=@bill_id"
    cmd.Parameters.Add("@bill_id", SqlDbType.Int)
    cmd.Parameters("@bill_id").Value = Val(txtc_s_bid.Text)
    cmd.ExecuteNonQuery()
    cmd1.Connection = cn

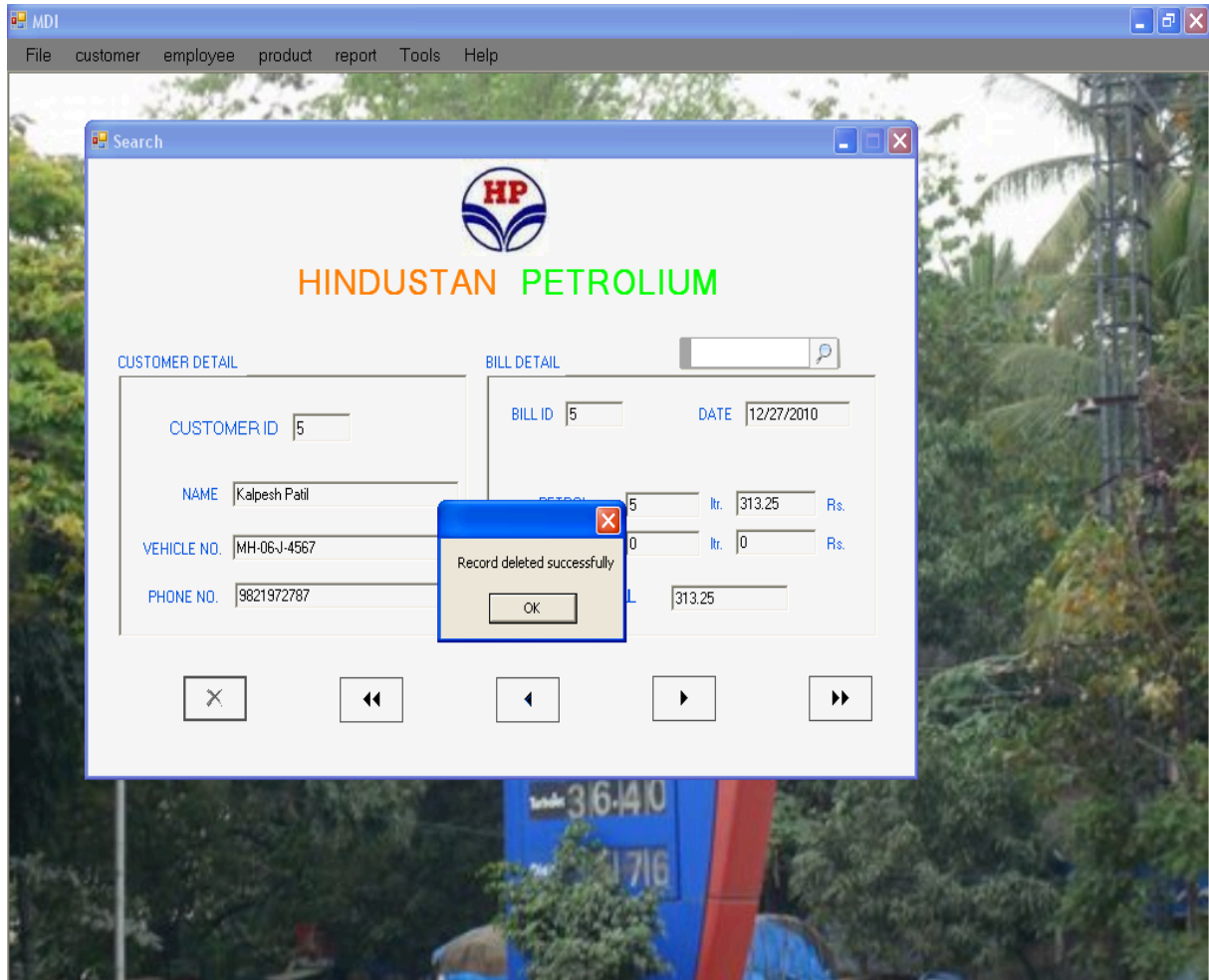
```

```

cmd1.CommandText = "delete from cust_reg where cust_id=@cust_id"
cmd1.Parameters.Add("@cust_id", SqlDbType.Int)
cmd1.Parameters("@cust_id").Value = Val(txtc_s_cid.Text)
cmd1.ExecuteNonQuery()
filldatasetandview()
bindfields()
cn.Close()
Me.BindingContext(odv).Position = intposition
MessageBox.Show("Record deleted successfully")
End Sub
End Class

```

Test Result:



Program Name: addempolyee

Program Function: This is form is use to add new empolyee

Data entry form:

The screenshot shows a Windows application window titled 'MDI' with a menu bar (File, Customer, Employee, Product, Report, Tools, Help). Inside, there's a sub-window titled 'Add new employee' with the Hindustan Petroleum logo and name. The form contains the following fields and controls:

- ID: Text box with '6'
- NAME: Text box with 'Vivek Koli'
- ADDRESS: Text box with 'old panvel'
- CONTACT NO: Text box with '985467891'
- AGE: Text box with '21'
- GENDER: Radio buttons for MALE (selected) and FEMALE
- DATE OF JOINING: Dropdown menu showing '12/30/2010'
- POST: Text box with 'manager'
- MONTHLY SALARY: Text box with '20000'
- SHIFT: Dropdown menu showing 'DAY'
- Photo: Placeholder image with a 'Browse...' button
- Submit: Button at the bottom

Pseudo Code:

Sr. No.	Button Name	Procedure	Description
1	SUBMIT	Click	Adds the new employee
2	browse	Click	Select the photo of employee

Code:-

```
Imports System.Data.SqlClient
Public Class addemployee
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Dim DA As New SqlDataAdapter("select * from addemployees;", cn)
    Dim odv As DataView
    Dim ode As New DataSet
    Dim objcur As CurrencyManager
    Dim gender As String
    Dim vring As String
    Private Sub btnimg_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnimg.Click
        If imgopdilog.ShowDialog = Windows.Forms.DialogResult.OK Then
            empimage.ImageLocation = imgopdilog.FileName
        End If
    End Sub
    Private Sub addemployee_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        txt DOJ.Text = Now.ToString("d")
        comboshift.SelectedIndex = 0
        filldatasetandview()
        bindfields()
        objcur.Position = objcur.Count - 1
        txt eid.DataBindings.Clear()
        txt eid.Text = Val(txt eid.Text) + 1
    End Sub
    Public Sub filldatasetandview()
        Try
            ode.Tables.Clear()
            DA.Fill(ode, "addemployees")
            odv = New DataView(ode.Tables("addemployees"))
            objcur = CType(Me.BindingContext(odv), CurrencyManager)
        Catch ex As Exception
            MsgBox("unable to open")
        End Try
    End Sub
    Public Sub bindfields()
        txt eid.DataBindings.Clear()
        txt eid.DataBindings.Add("text", odv, "e_id")
    End Sub
    Private Sub btnsubmit_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnsubmit.Click
        Dim cmd As New SqlCommand
        cmd.Connection = cn
        cn.Open()
```



```

cmd.CommandText = "insert into addemployees
values(@e_id,@e_name,@e_add,@e_contact,@e_age,@e_gender,@e_doj,@e_post,@e_sh
ift,@e_salary,@e_img)"
cmd.Parameters.Add("@e_id", SqlDbType.Int).Value = Val(txteid.Text)
cmd.Parameters.Add("@e_name", SqlDbType.VarChar).Value = txtname.Text
cmd.Parameters.Add("@e_add", SqlDbType.VarChar).Value = txtadd.Text
cmd.Parameters.Add("@e_contact", SqlDbType.BigInt).Value = Val(txtcotact.Text)
cmd.Parameters.Add("@e_age", SqlDbType.Real).Value = Val(txtage.Text)
cmd.Parameters.Add("@e_gender", SqlDbType.VarChar)
If Rmale.Checked Then
    cmd.Parameters("@e_gender").Value = Rmale.Text
Else
    cmd.Parameters("@e_gender").Value = Rfemale.Text
End If
cmd.Parameters.Add("@e_img", SqlDbType.VarChar).Value =
empimage.ImageLocation
cmd.Parameters.Add("@e_doj", SqlDbType.VarChar).Value = txtdoj.Text
cmd.Parameters.Add("@e_post", SqlDbType.VarChar).Value = txtpost.Text
cmd.Parameters.Add("@e_shift", SqlDbType.VarChar).Value =
comboshift.SelectedItem
cmd.Parameters.Add("@e_salary", SqlDbType.Int).Value = Val(txtmsalary.Text)
If cmd.ExecuteNonQuery > 0 Then
    MsgBox("Employee Added")
    filldatasetandview()
    bindfields()
    objcur.Position = objcur.Count - 1
    txteid.DataBindings.Clear()
    txteid.Text = Val(txteid.Text) + 1
    empimage.ImageLocation = "C:\petrol pump\My Pictures\photo.bmp"
    Rmale.Checked = True
    txtadd.Clear()
    txtcotact.Clear()
    txtname.Clear()
    txtage.Clear()
    txtpost.Clear()
    txtmsalary.Clear()
End If
cn.Close()
End Sub
Private Sub txtcotact_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtcotact.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
    If txtcotact.TextLength > 12 Then

```

```

        e.Handled = True
        MsgBox("Maximum 12 Digit are alloweded")
    End If
End Sub
Private Sub txtname_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtname.KeyPress
    Dim c As Char
    c = e.KeyChar
    If (Char.IsDigit(c)) Then
        e.Handled = True
        MsgBox("Number are not alloweded")
    End If
End Sub
Private Sub txtage_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtage.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub
Private Sub txteid_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txteid.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub
Private Sub txtpost_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtpost.KeyPress
    Dim c As Char
    c = e.KeyChar
    If (Char.IsDigit(c)) Then
        e.Handled = True
        MsgBox("Number are not alloweded")
    End If
End Sub
Private Sub txtmsalary_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtmsalary.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub

```

```
End Sub
Private Sub txtteid_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtteid.TextChanged
End Sub
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs)
End Sub
Private Sub Label1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Label1.Click
End Sub
End Class
```

Test Result:

The screenshot shows a software application window titled "MDI" with a menu bar containing "File", "Customer", "Employee", "Product", "Report", "Tools", and "Help". The main window displays a form titled "Add new employee" with the HP logo and "HINDUSTAN PETROLIUM" text. The form contains the following fields and values:

Field	Value
ID	6
NAME	Vivek Koli
ADDRESS	old parvel
CONTACT NO	985467891
AGE	21
GENDER	MALE (selected)
DATE OF JOINING	12/30/2010
POST	manager
MONTHLY SALARY	20000
SHIFT	DAY

A "petrol pump" dialog box is open, displaying "Employee Added" and an "OK" button. A "Browse..." button is also visible next to the ADDRESS field. A "Submit" button is located at the bottom of the form.

Program Name: searchemp

Program Function: This is form is use to search, update, delete

Employee detail

Data entry form:

The screenshot shows a Windows MDI application window titled 'search employee'. The window has a menu bar with 'File', 'Customer', 'Employee', 'Product', 'Report', 'Tools', and 'Help'. The main area displays the HP logo and 'HINDUSTAN PETROLIUM' text. Below this is a search form with the following fields and controls:

- ID:** Text box containing '1'.
- NAME:** Text box containing 'alam', with a 'Browse...' button to its right.
- ADDRESS:** Text box containing 'uran'.
- CONTACT NO:** Text box containing '9321456378'.
- AGE:** Text box containing '20'.
- GENDER:** Radio buttons for 'MALE' (selected) and 'FEMALE'.
- DATE OF JOINING:** Text box containing '1/19/2011'.
- POST:** Text box containing 'cleaner'.
- MONTHLY SALARY:** Text box containing '2500'.
- SHIFT:** Dropdown menu showing 'DAY'.

At the bottom of the form are six navigation buttons: a circular arrow (refresh), a double left arrow (first), a single left arrow (previous), a single right arrow (next), a double right arrow (last), and an 'X' (exit).

Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
1	Delete	Click	Deletes the current Record.
2	First	Click	Display First Record.

3	Previous	Click	Display Previous Record.
4	Next	Click	Display Next record.
5	Last	Click	Display Last Record.
6	Search	Click	To Search Record.
7	update	Click	Update the record

Code:-

```
Imports System.Data.SqlClient
Public Class searchemp
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Dim DA As New SqlDataAdapter("select * from addemployees;", cn)
    Dim odv As DataView
    Dim ode As New DataSet
    Dim objcur As CurrencyManager
    Dim gender As String
    Dim vring As String
    Private Sub searchemp_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Try
            filldatasetandview()
            bindfields()
            gendertest()
            vring = txtimg.Text
        Catch ex As Exception
            MsgBox("unable to open")
            Me.Close()
        End Try
    End Sub
    Public Sub filldatasetandview()
        Try
            ode.Tables.Clear()
            DA.Fill(ode, "addemployees")
            odv = New DataView(ode.Tables("addemployees"))
            objcur = CType(Me.BindingContext(odv), CurrencyManager)
        Catch ex As Exception
            MsgBox("unable to open")
        End Try
    End Sub
    Public Sub bindfields()
        txtid.DataBindings.Clear()
```

```

txtadd.DataBindings.Clear()
txtcotact.DataBindings.Clear()
txtname.DataBindings.Clear()
txtage.DataBindings.Clear()
txt doj.DataBindings.Clear()
txtpost.DataBindings.Clear()
comboshift.DataBindings.Clear()
txtmsalary.DataBindings.Clear()
txtimg.DataBindings.Clear()
txtgender.DataBindings.Clear()
txteid.DataBindings.Add("text", odv, "e_id")
txtname.DataBindings.Add("text", odv, "e_name")
txtadd.DataBindings.Add("text", odv, "e_add")
txtage.DataBindings.Add("text", odv, "e_age")
txt doj.DataBindings.Add("text", odv, "e_doj")
txtpost.DataBindings.Add("text", odv, "e_post")
txtmsalary.DataBindings.Add("text", odv, "e_salary")
comboshift.DataBindings.Add("text", odv, "e_shift")
txtcotact.DataBindings.Add("text", odv, "e_contact")
txtimg.DataBindings.Add("text", odv, "e_img")
txtgender.DataBindings.Add("text", odv, "e_gender")
gendertest()
End Sub
Public Sub gendertest()
    Try
        If txtgender.Text = Rfemale.Text.Trim Then
            Rfemale.Checked = True
        Else
            Rmale.Checked = True
        End If
        empimage.BackgroundImage = Image.FromFile(txtimg.Text)
        txtimg.Visible = False
        txtgender.Visible = False
    Catch ex As Exception
        MsgBox("unable to open")
    End Try
End Sub
Private Sub btnnext_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnnext.Click
    Try
        objcur.Position = objcur.Position + 1
        empimage.BackgroundImage = Image.FromFile(txtimg.Text)
        gendertest()

    Catch ex As Exception
        MsgBox("unable to open")
    End Try
End Sub

```

```

Private Sub txtpre_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtpre.Click
    Try
        objcur.Position = objcur.Position - 1
        empimage.BackgroundImage = Image.FromFile(txtimg.Text)
        gendertest()
    Catch ex As Exception
        MsgBox("unable to open")
    End Try
End Sub
Private Sub txtfirst_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtfirst.Click
    Try
        objcur.Position = 0
        empimage.BackgroundImage = Image.FromFile(txtimg.Text)
        gendertest()
    Catch ex As Exception
        MsgBox("unable to open")
    End Try
End Sub
Private Sub txtlast_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtlast.Click
    Try
        objcur.Position = objcur.Count - 1
        empimage.BackgroundImage = Image.FromFile(txtimg.Text)
        gendertest()
    Catch ex As Exception
        MsgBox("unable to open")
    End Try
End Sub
Private Sub btnimg_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnimg.Click
    Try
        If imgopdilog.ShowDialog = Windows.Forms.DialogResult.OK Then
            vring = imgopdilog.FileName
            empimage.BackgroundImage = Image.FromFile(vring)
            txtimg.Text = vring
        End If
    Catch ex As Exception
        MsgBox("unable to open")
    End Try

End Sub

Private Sub btnupdate_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnupdate.Click
    Dim curpos As Integer

```



```

curpos = objcur.Position
Try
    Dim cmd As New SqlCommand
    cmd.Connection = cn
    cn.Open()
    cmd.CommandText = "update addemployees set e_name= @e_name,e_add=
    @e_add,e_contact= @e_contact,e_age= @e_age,e_gender= @e_gender,e_doj=
    @e_doj,e_post= @e_post,e_shift= @e_shift,e_salary= @e_salary,e_img= @e_img where
    e_id= @e_id"
    cmd.Parameters.Add("@e_id", SqlDbType.Int).Value = Val(txteid.Text)
    cmd.Parameters.Add("@e_name", SqlDbType.VarChar).Value = (txtname.Text)
    cmd.Parameters.Add("@e_add", SqlDbType.VarChar).Value = txtadd.Text
    cmd.Parameters.Add("@e_contact", SqlDbType.BigInt).Value = Val(txtcotact.Text)
    cmd.Parameters.Add("@e_age", SqlDbType.Real).Value = Val(txtage.Text)
    cmd.Parameters.Add("@e_gender", SqlDbType.VarChar)
    If Rmale.Checked Then
        cmd.Parameters("@e_gender").Value = Rmale.Text
    Else
        cmd.Parameters("@e_gender").Value = Rfemale.Text
    End If
    cmd.Parameters.Add("@e_img", SqlDbType.VarChar).Value = txtimg.Text
    cmd.Parameters.Add("@e_doj", SqlDbType.VarChar).Value = txtdoj.Text
    cmd.Parameters.Add("@e_post", SqlDbType.VarChar).Value = txtpost.Text
    cmd.Parameters.Add("@e_shift", SqlDbType.VarChar).Value =
    comboshift.SelectedItem
    cmd.Parameters.Add("@e_salary", SqlDbType.Int).Value = Val(txtmsalary.Text)
    If cmd.ExecuteNonQuery > 0 Then
        MsgBox("Record Upadated")
    End If
    objcur.Position = objcur.Position
    filldatasetandview()
    bindfields()
    cn.Close()
    objcur.Position = curpos
Catch ex As Exception
    MsgBox("unable to update")
End Try
empimage.BackgroundImage = Image.FromFile(txtimg.Text)
gendertest()
End Sub
Private Sub ToolStripBtnsearch_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles ToolStripBtnsearch.Click
    Try
        odv.Sort = "e_id"
        Dim intposition As Integer
        intposition = odv.Find(Val(ToolStripTxtsearch.Text))
        If intposition = -1 Then
            MsgBox("no record found")
        End If
    End Try

```

```

Else
    objcur.Position = intposition
End If
empimage.BackgroundImage = Image.FromFile(txtimg.Text)
gendertest()
Catch ex As Exception
    MsgBox("unable to open")
End Try
End Sub

Private Sub txtcotact_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtcotact.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub

Private Sub txtname_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtname.KeyPress
    Dim c As Char
    c = e.KeyChar
    If (Char.IsDigit(c)) Then
        e.Handled = True
        MsgBox("Number are not allowed")
    End If

End Sub

Private Sub txtage_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtage.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub

Private Sub txteid_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txteid.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub

```

```

Private Sub txtpost_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtpost.KeyPress
    Dim c As Char
    c = e.KeyChar
    If (Char.IsDigit(c)) Then
        e.Handled = True
        MsgBox("Number are not allowed")
    End If
End Sub

```

```

Private Sub txtmsalary_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtmsalary.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub

```

```

Private Sub ToolStripTxtsearch_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles ToolStripTxtsearch.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub

```

```

Private Sub btndelete_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btndelete.Click
    Dim intpossession As Integer
    Dim cmd As New SqlCommand
    intpossession = Me.BindingContext(odv).Position - 1
    If intpossession < 0 Then
        intpossession = 1
    End If
    cmd.Connection = cn
    cmd.CommandText = "delete from addemployees where e_id=@e_id2"
    cmd.Parameters.Add("@e_id2", SqlDbType.Int)
    cmd.Parameters("@e_id2").Value = Val(txteid.Text)
    cn.Open()
    cmd.ExecuteNonQuery()
    filldatasetandview()
    bindfields()
    cn.Close()
    Me.BindingContext(odv).Position = intpossession
    MessageBox.Show("Record deleted successfully")

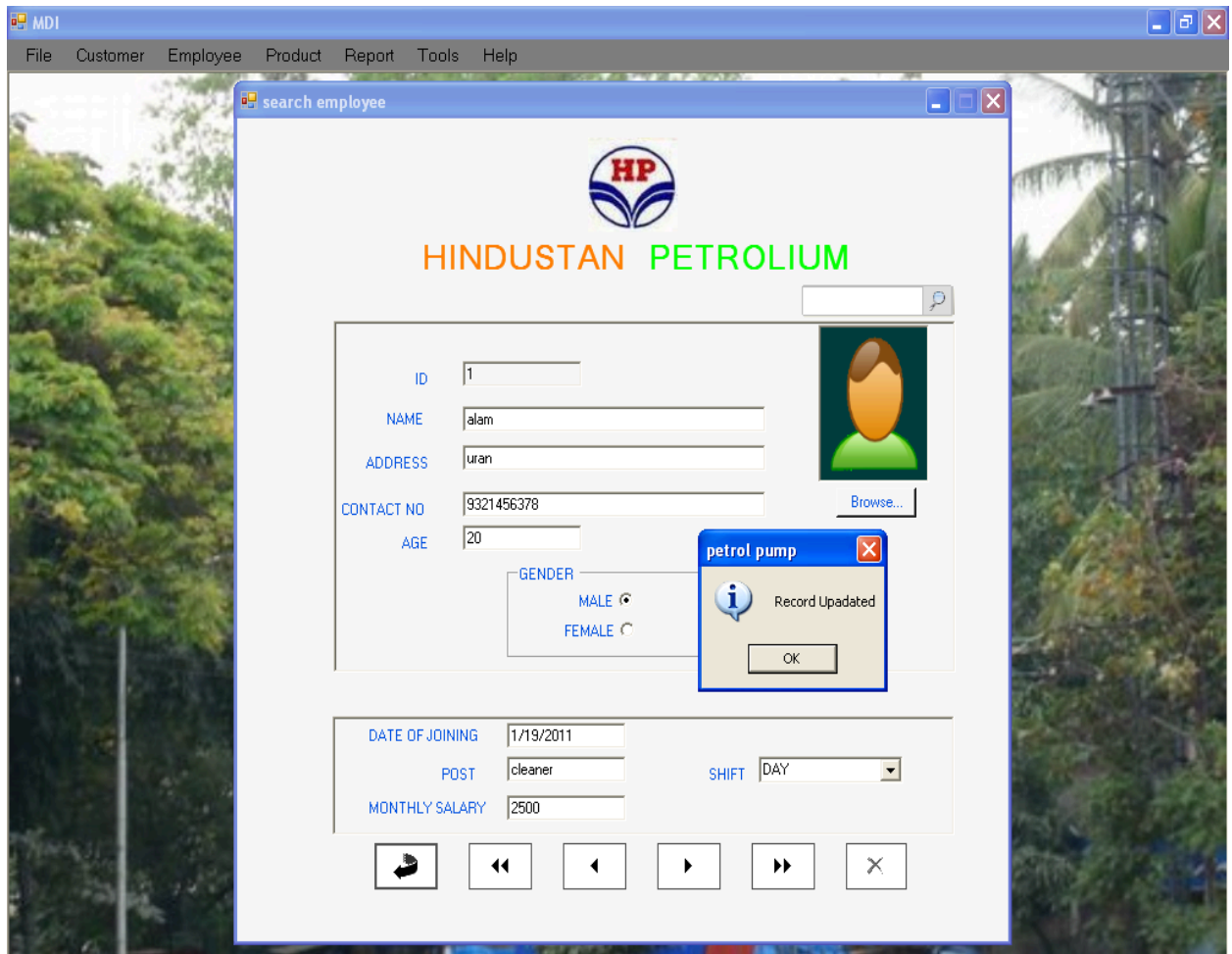
```

```
End Sub
Private Sub btndele_Click_1(ByVal sender As System.Object, ByVal e As
System.EventArgs)
End Sub

Private Sub txtname_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs)

End Sub
End Class
```

Test Result:



Program Name: attendance

Program Function: This is form is use to store employee
's attendance

Data entry form

The screenshot shows a Windows MDI application with a menu bar (File, Customer, Employee, Product, Report, Tools, Help). The active window is titled 'attendance' and features the HP logo and 'HINDUSTAN PETROLIUM' text. The form contains a list box with indices 1 through 5, where index 1 is selected. To the right of the list box are input fields for 'Name' (containing 'alam') and 'Date' (containing '12/30/2010'). Below these is a 'status' group box with three radio buttons: 'present' (selected), 'absent', and 'off'. At the bottom of the form are 'submit' and 'update' buttons.

Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
1	submit	Click	Store attendance

2	update	Click	Update attendance
---	--------	-------	-------------------

Code:

```
Imports System.Data.SqlClient

public Class attendance

    Public cn As New SqlConnection("Data Source=localhost;Initial Catalog=alam;Integrated
Security=True")

    Private Sub attendance_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        txtdate.Text = Now.ToString("d")
        Dim cmd As New SqlCommand
        cmd.Connection = cn
        cn.Open()
        cmd.CommandText = "select e_id from addemployees"
        Dim reader As SqlDataReader
        reader = cmd.ExecuteReader
        While reader.Read
            ID.Items.Add(reader.Item("e_id"))
        End While
        cn.Close()
        ID.SelectedIndex = 0
    End Sub

    Private Sub ID_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles ID.SelectedIndexChanged
        btnsubmit.Enabled = True
        btnupdate.Enabled = False
        Dim cmd As New SqlCommand
        cmd.Connection = cn
        cn.Open()
        cmd.CommandText = "select e_name from addemployees where e_id=@e_id"
        cmd.Parameters.Add("e_id", SqlDbType.Int).Value = ID.SelectedItem
        Dim reader As SqlDataReader
        reader = cmd.ExecuteReader
        While reader.Read
            txtname.Text = reader.Item("e_name")
        End While
        cn.Close()
        cmd.Connection = cn
        cn.Open()
        cmd.CommandText = "select adate from attendance where eid=@eid"
        cmd.Parameters.Add("@eid", SqlDbType.Int).Value = ID.SelectedItem
        Dim reader1 As SqlDataReader
        reader1 = cmd.ExecuteReader
        While reader1.Read
            If reader1.Item("adate") = txtdate.Text Then
                btnsubmit.Enabled = False
            End If
        End While
    End Sub
End Class
```



```

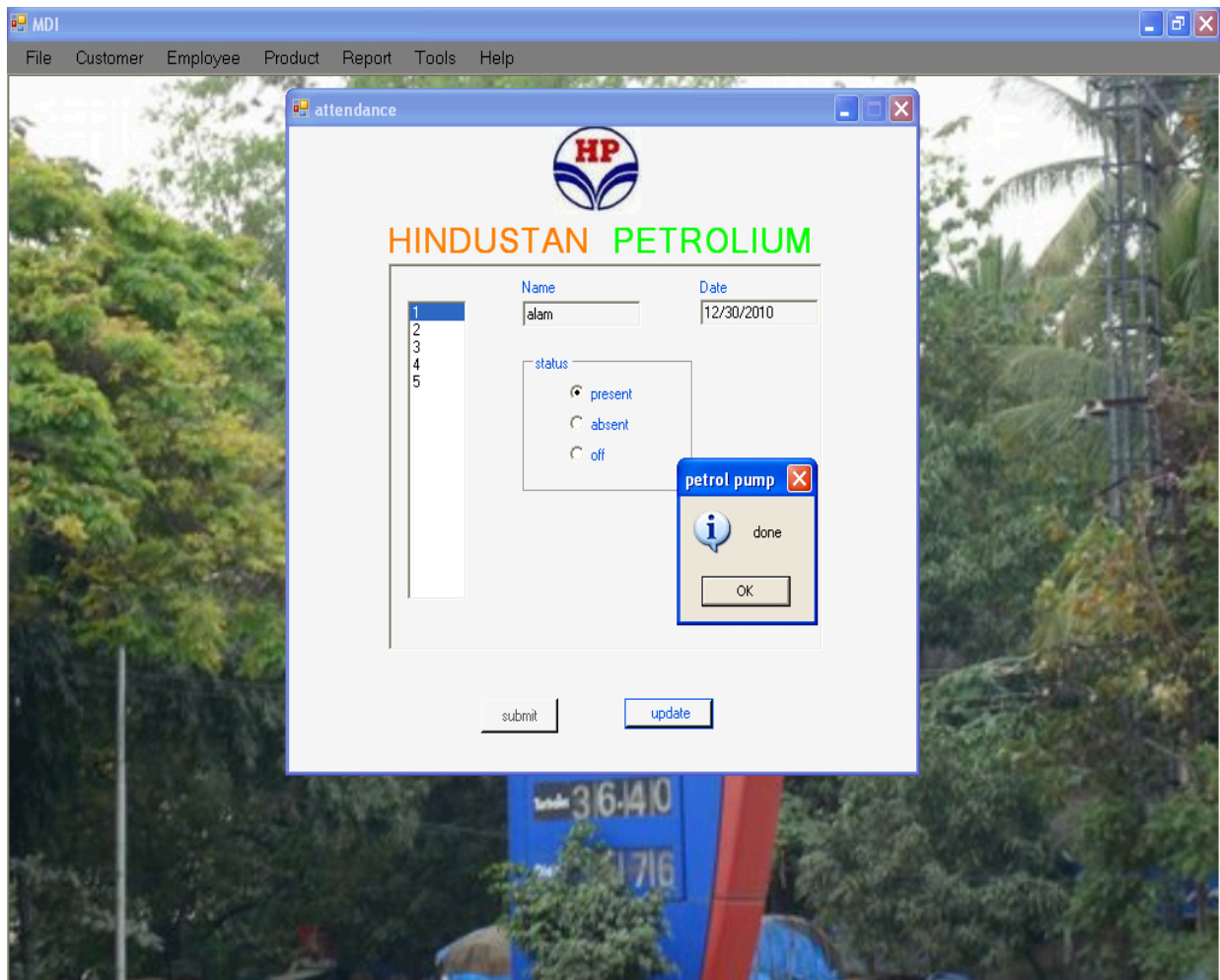
        btnupdate.Enabled = True
        cn.Close()
    Exit Sub
End If
End While
cn.Close()
End Sub
Private Sub txtname_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtname.TextChanged
End Sub
Private Sub btnsubmit_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnsubmit.Click
    Dim cmd As New SqlCommand
    cmd.Connection = cn
    cn.Open()
    cmd.CommandText = "insert into attendance values(@eid,@ename,@status,@adate)"
    cmd.Parameters.Add("@eid", SqlDbType.Int).Value = Val(ID.SelectedItem)
    cmd.Parameters.Add("@ename", SqlDbType.VarChar).Value = txtname.Text
    cmd.Parameters.Add("@status", SqlDbType.VarChar)
    If rdbpresent.Checked = True Then
        cmd.Parameters("@status").Value = rdbpresent.Text
    ElseIf rdbabsent.Checked = True Then
        cmd.Parameters("@status").Value = rdbabsent.Text
    ElseIf Rdboff.Checked Then
        cmd.Parameters("@status").Value = Rdboff.Text
    End If
    cmd.Parameters.Add("@adate", SqlDbType.VarChar).Value = txtdate.Text
    If cmd.ExecuteNonQuery > 0 Then
        MsgBox("done")
        btnsubmit.Enabled = False
        btnupdate.Enabled = True
    End If
    cn.Close()
End Sub
Private Sub btnupdate_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnupdate.Click
    Dim cmd As New SqlCommand
    cmd.Connection = cn
    cn.Open()
    cmd.CommandText = "update attendance set status=@status where eid=@eid and
adate=@adate"
    cmd.Parameters.Add("@eid", SqlDbType.Int).Value = Val(ID.SelectedItem)
    cmd.Parameters.Add("@status", SqlDbType.VarChar)
    If rdbpresent.Checked = True Then
        cmd.Parameters("@status").Value = rdbpresent.Text
    ElseIf rdbabsent.Checked = True Then
        cmd.Parameters("@status").Value = rdbabsent.Text
    ElseIf Rdboff.Checked Then

```

```
        cmd.Parameters("@status").Value = Rdboff.Text
    End If
    cmd.Parameters.Add("@adate", SqlDbType.VarChar).Value = txtdate.Text
    If cmd.ExecuteNonQuery > 0 Then
        MsgBox("done")

    End If
    cn.Close()
End Sub
End Class
```

Test result:



Program Name: salary

Program Function: This is form is use to calculate salary and to store salary information of employee

Data entry form:

The screenshot shows a software window titled "salary Generation" with a menu bar (File, Customer, Employee, Product, Report, Tools, Help) and a toolbar. The form contains the following fields and values:

- Monthly Detail:**
 - No. of days present: 16
 - No. of days absent: 8
 - No. of days off: 2
 - Advance taken: 0
 - Toatal salary: 1683
 - Net salary of this month: 1683
- Employee Detail:**
 - Month: December
 - Year: 2010
 - Employee ID.: 1
 - Name: alam
 - Monthly salary: 2500

A "Submit" button is located at the bottom of the form.

Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
1	submit	Click	Store salary information

Code:-

```
Imports System.Data.SqlClient
Public Class salary
    Public cn As New SqlConnection(MDI.con.ConnectionString)

    Private Sub salary_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Handles MyBase.Load

            cmbyear.SelectedIndex = 6
            Dim cmd As New SqlCommand
            cmd.Connection = cn
            cn.Open()
            cmd.CommandText = "select e_id from addemployees"
            Dim reader As SqlDataReader
            reader = cmd.ExecuteReader
            While reader.Read
                comboid.Items.Add(reader.Item("e_id"))
            End While
            cn.Close()
            comboid.SelectedIndex = 0
        End Sub

        Private Sub comboid_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As
            System.EventArgs) Handles comboid.SelectedIndexChanged
            combomonth.SelectedIndex = -1
            Txtnetsal.Text = ""
            txttotal.Text = ""
            txtabsent.Text = ""
            txtoff.Text = ""
            txtpresent.Text = ""
            txtadvance.Text = ""
            Dim cmd As New SqlCommand
            cmd.Connection = cn
            cn.Open()
            cmd.CommandText = "select e_name,e_salary from addemployees where e_id=@e_id"
            cmd.Parameters.Add("e_id", SqlDbType.Int).Value = comboid.SelectedItem
            Dim reader As SqlDataReader
            reader = cmd.ExecuteReader
            While reader.Read
                txtname.Text = reader.Item("e_name")
                txtsalary.Text = reader.Item("e_salary")
            End While
            cn.Close()
        End Sub

        Private Sub combomonth_SelectedIndexChanged(ByVal sender As System.Object, ByVal
            e As System.EventArgs) Handles combomonth.SelectedIndexChanged
```

```

btnsubmit.Enabled = True
Dim todaypresent As Integer = 0
Dim todayabsent As Integer = 0
Dim todayoff As Integer = 0
txtadvance.Text = "0"
Dim cmd As New SqlCommand
cmd.Connection = cn
cn.Open()
cmd.CommandText = "select status from attendance where eid=@eid and
month(adate)=@adate"
cmd.Parameters.Add("@eid", SqlDbType.Int).Value = Val(comboid.SelectedItem)
cmd.Parameters.Add("@adate", SqlDbType.Int).Value = combomonth.SelectedIndex + 1

Dim reader1 As SqlDataReader
reader1 = cmd.ExecuteReader
While reader1.Read
    If reader1.Item("status") = "present" Then
        todaypresent = todaypresent + 1
    ElseIf reader1.Item("status") = "absent" Then
        todayabsent = todayabsent + 1
    ElseIf reader1.Item("status") = "off" Then
        todayoff = todayoff + 1
    End If
End While
cn.Close()
txtpresent.Text = todaypresent
txtoff.Text = todayoff
txtabsent.Text = 26 - (Val(txtpresent.Text) + Val(txtoff.Text))
Dim cmd2 As New SqlCommand
cmd.Connection = cn
cn.Open()
cmd.CommandText = "select sum(advance) as 'asum' from advance where eid=@eid1
and month(adate)=@adate1 and year(adate)=@year"
cmd.Parameters.Add("@eid1", SqlDbType.Int).Value = comboid.SelectedItem
cmd.Parameters.Add("@adate1", SqlDbType.Int).Value = combomonth.SelectedIndex +
1
cmd.Parameters.Add("@year", SqlDbType.Int).Value = (cmbyear.SelectedItem)
Dim reader2 As SqlDataReader
reader2 = cmd.ExecuteReader
Try
    While reader2.Read
        txtadvance.Text = reader2.Item("asum")
    End While
Catch ex As Exception
End Try
cn.Close()
Dim advancetaken As Decimal

```

```

Dim monthsalary As Decimal
Dim toatlsalary As Integer
Dim salaryperday As Decimal
monthsalary = Val(txtsalary.Text)
advancetaken = Val(txtadvance.Text)
salaryperday = Val(txtsalary.Text) / 26
Dim salarypresent As Decimal
salarypresent = Val(txtpresent.Text) * salaryperday
Dim salaryof As Decimal
salaryof = Val(txttoff.Text) * salaryperday * 0.75
toatlsalary = salarypresent + salaryof - advancetaken
txttotal.Text = toatlsalary
Txtnetsal.Text = toatlsalary + advancetaken

Dim cmd3 As New SqlCommand
cmd3.Connection = cn
cn.Open()
cmd3.CommandText = "select smonth from salaryreport where eid=@eid2"
cmd3.Parameters.Add("@eid2", SqlDbType.Int).Value = comboid.SelectedItem
Dim reader3 As SqlDataReader
reader3 = cmd3.ExecuteReader
While reader3.Read
    If reader3.Item("smonth") = combomonth.SelectedItem & " " &
cmbyear.SelectedItem Then
        btnsubmit.Enabled = False
    Else
        btnsubmit.Enabled = True
    End If
End While
cn.Close()
If combomonth.SelectedIndex = -1 Then
    btnsubmit.Enabled = False
End If

End Sub

Private Sub btnsubmit_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnsubmit.Click
    Dim cmd As New SqlCommand
    cmd.Connection = cn
    cn.Open()
    cmd.CommandText = "insert into salaryreport
values(@eid,@ename,@smonth,@present,@absent,@doff,@monthlys,@netsal)"
    cmd.Parameters.Add("@eid", SqlDbType.Int).Value = Val(comboid.SelectedItem)
    cmd.Parameters.Add("@smonth", SqlDbType.VarChar).Value =
combomonth.SelectedItem & " " & cmbyear.SelectedItem
    cmd.Parameters.Add("@ename", SqlDbType.VarChar).Value = txtname.Text

```

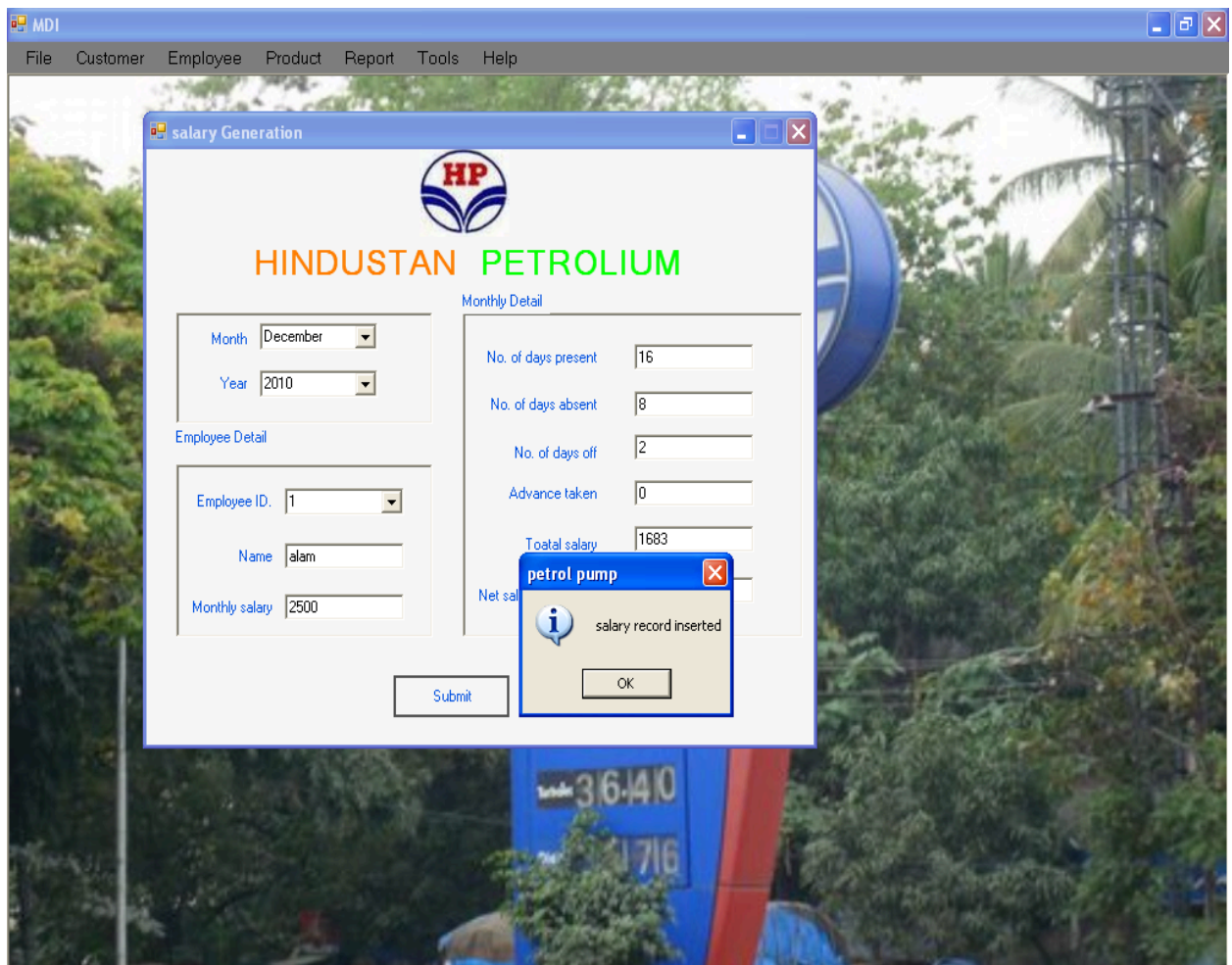
```

cmd.Parameters.Add("@present", SqlDbType.Int).Value = Val(txtpresent.Text)
cmd.Parameters.Add("@absent", SqlDbType.Int).Value = Val(txtabsent.Text)
cmd.Parameters.Add("@doff", SqlDbType.Int).Value = Val(txtoff.Text)
cmd.Parameters.Add("@monthly", SqlDbType.Real).Value = Val(txtsalary.Text)
cmd.Parameters.Add("@netsal", SqlDbType.Real).Value = Val(Txtnetsal.Text)
If cmd.ExecuteNonQuery > 0 Then
    MsgBox("salary record inserted")
End If
cn.Close()
End Sub
Private Sub cmbyear_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cmbyear.SelectedIndexChanged
    combomonth.SelectedIndex = -1
    btnsubmit.Enabled = False
    Txtnetsal.Text = ""
    txttotal.Text = ""
    txtabsent.Text = ""
    txtoff.Text = ""
    txtpresent.Text = ""
    txtadvance.Text = ""
End Sub

End Class

```


Test result:-



Program Name:advance

Program Function: This is form is use to allocate advance payment to employee

Data entry form:

The screenshot shows a software window titled 'advance payment' with a menu bar (File, Customer, Employee, Product, Report, Tools, Help) and a toolbar. The main area displays the HP logo and the text 'HINDUSTAN PETROLIUM'. Below this is a form with the following fields: 'ID' (a dropdown menu showing '2'), 'DATE' (a text box showing '12/12/2010'), 'NAME' (a text box showing 'Rupesh Gharat'), and 'ADVANCE' (a text box showing '1200' followed by 'Rs.'). A 'submit' button is located at the bottom right of the form.

Pseudo Code:

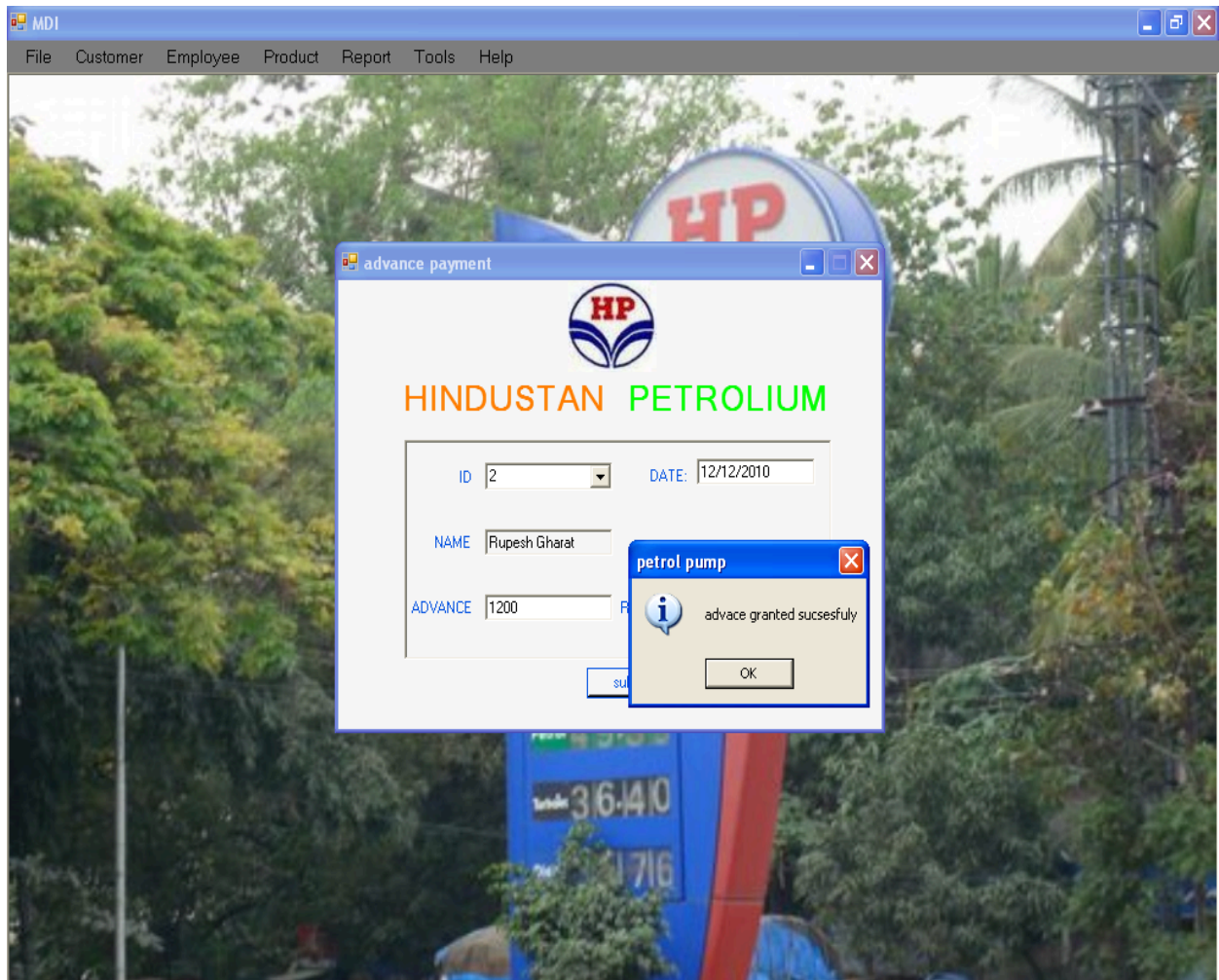
Sr. No.	ButtonName	Procedure	Description
1	submit	Click	Store advance payment information

Code:-

```
Imports System.Data.SqlClient
Public Class advance
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles comboid.SelectedIndexChanged
        Dim cmd As New SqlCommand
        cmd.Connection = cn
        cn.Open()
        cmd.CommandText = "select e_name,e_salary from addemployees where e_id=@e_id"
        cmd.Parameters.Add("e_id", SqlDbType.Int).Value = comboid.SelectedItem
        Dim reader As SqlDataReader
        reader = cmd.ExecuteReader
        While reader.Read
            txtname.Text = reader.Item("e_name")
        End While
        cn.Close()
    End Sub
    Private Sub advance_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        txtdate.Text = Now.ToString("d")
        Dim cmd As New SqlCommand
        cmd.Connection = cn
        cn.Open()
        cmd.CommandText = "select e_id from addemployees"
        Dim reader As SqlDataReader
        reader = cmd.ExecuteReader
        While reader.Read
            comboid.Items.Add(reader.Item("e_id"))
        End While
        cn.Close()
        comboid.SelectedIndex = 0
    End Sub
    Private Sub btnsubmit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnsubmit.Click
        Dim cmd As New SqlCommand
        cmd.Connection = cn
        cn.Open()
        cmd.CommandText = "insert into advance values(@eid,@ename,@adate,@advance)"
        cmd.Parameters.Add("@eid", SqlDbType.Int).Value = Val(comboid.SelectedItem)
        cmd.Parameters.Add("@ename", SqlDbType.VarChar).Value = txtname.Text
        cmd.Parameters.Add("@adate", SqlDbType.VarChar).Value = txtdate.Text
        cmd.Parameters.Add("@advance", SqlDbType.Real).Value = Val(txtadv.Text)
        If cmd.ExecuteNonQuery > 0 Then
            MsgBox("advace granted sucesfully")
        End If
    End Sub
End Class
```

```
End If
End Sub
Private Sub txtadv_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtadv.KeyPress
    Dim c As Char
    c = e.KeyChar
    If Not (Char.IsDigit(c) Or Char.IsControl(c)) Then
        e.Handled = True
        MsgBox("enter only digit")
    End If
End Sub
End Class
```

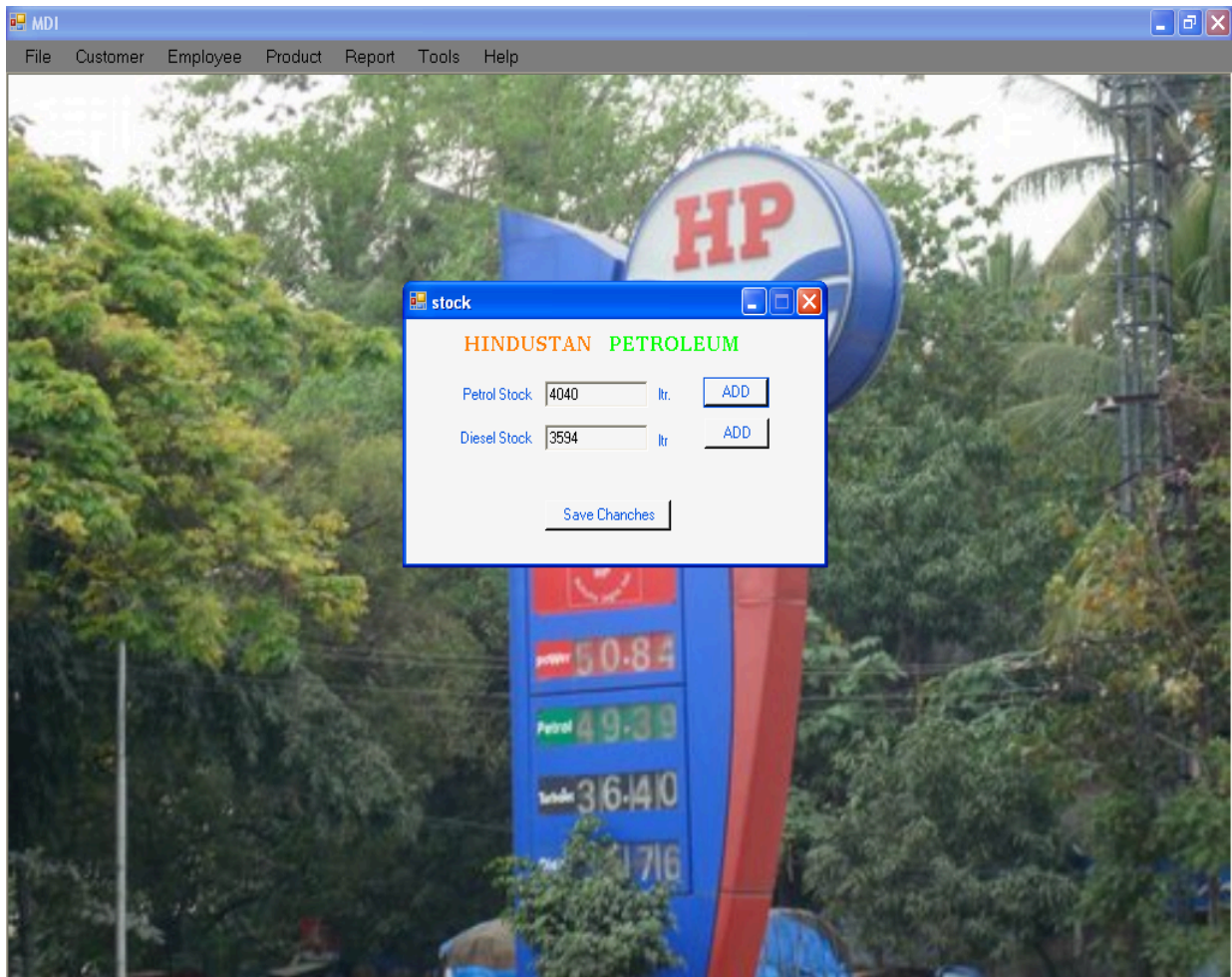
Test result:



Program Name: frmstock

Program Function: This is form is use to set and get stock information

Data entry form:



Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
---------	------------	-----------	-------------

1	ADD	Click	Adds the specified quantity in stock
2	Save changes	Click	Save the changes in stock

Code:-

```
Imports System.Data.SqlClient
Public Class frmstock
    Dim petstock As Decimal
    Dim desstock As Decimal
    Dim i As Decimal
    Dim j As Decimal
    Public con As New SqlConnection(MDI.con.ConnectionString)

    Private Sub frmstock_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        con.Open()
        Dim cmd4 As New SqlCommand
        cmd4.Connection = con
        cmd4.CommandText = "select * from pro_detail where p_id=1"
        Dim reader1 As SqlDataReader
        reader1 = cmd4.ExecuteReader
        While reader1.Read
            txtpet_stock.Text = reader1.Item("p_stock")
            petstock = reader1.Item("p_stock")
        End While
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
        con.Open()
        Dim cmd5 As New SqlCommand
        cmd5.Connection = con
        cmd5.CommandText = "select * from pro_detail where p_id=2"
        Dim reader2 As SqlDataReader
        reader2 = cmd5.ExecuteReader
        While reader2.Read
            txtdes_stock.Text = reader2.Item("p_stock")
            desstock = reader2.Item("p_stock")
        End While
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
    End Sub

    Private Sub btnp_supdate_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnp_supdate.Click
        i = Val(TextBox("Enter petrol amount in ltr.", "stock update"))
```

```

    If i = 0 Then
    ElseIf i < 0 Then
        MsgBox("can't enter negative value")
    Else
        txtpet_stock.Text = petstock + i
    End If
End Sub
Private Sub btnd_supdate_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnd_supdate.Click
    j = Val(InputBox("Enter petrol amount in ltr.", "stock update"))
    If j = 0 Then
    ElseIf j < 0 Then
        MsgBox("can't enter negative value")
    Else
        txtdes_stock.Text = desstock + j
    End If
End Sub

```

```

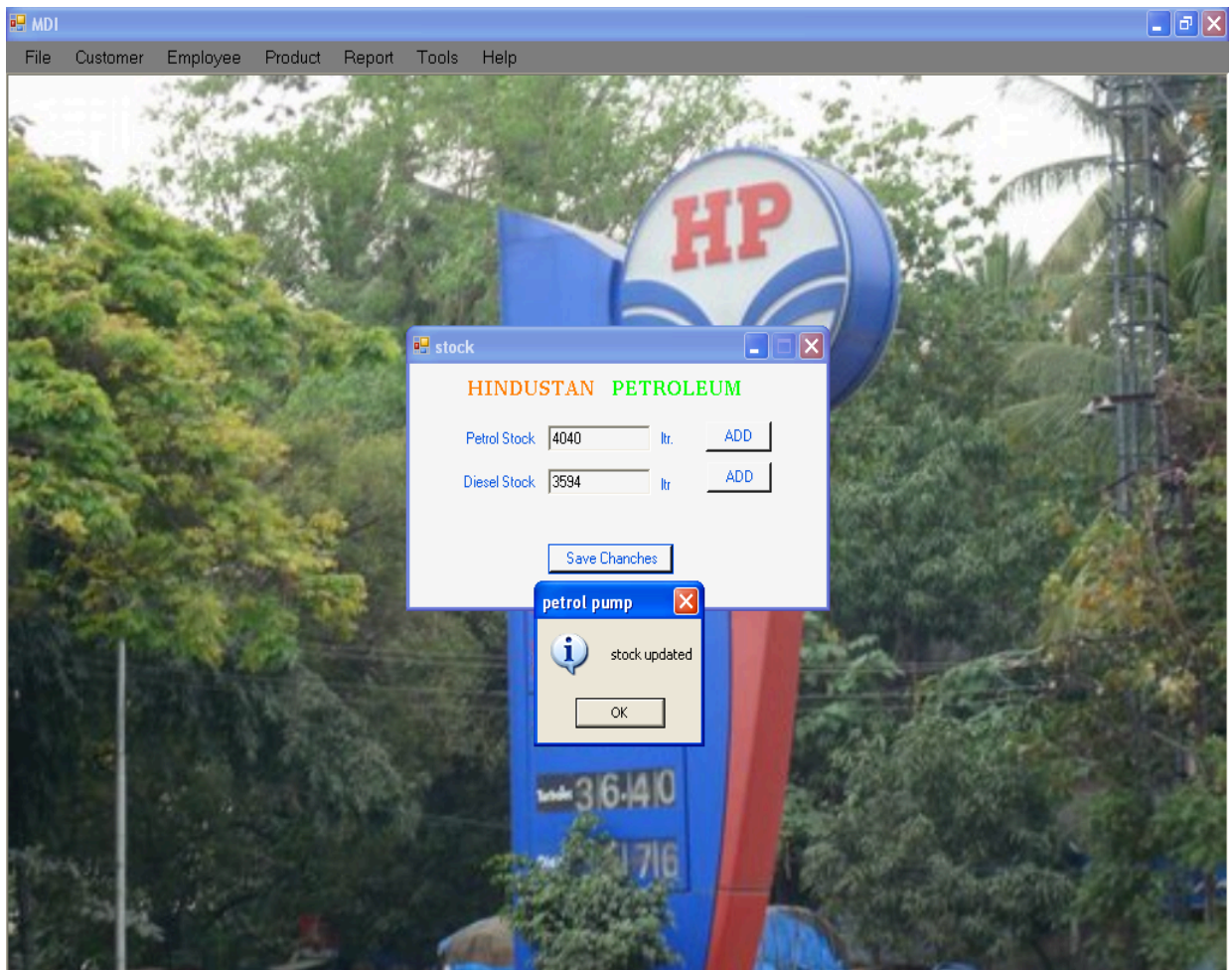
Private Sub btnsave_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnsave.Click
Dim cmd As New SqlCommand
cmd.Connection = con
con.Open()
cmd.CommandText = "update pro_detail set p_stock=@p_stock where p_id=1"
cmd.Parameters.Add("@p_stock", SqlDbType.Real)
cmd.Parameters("@p_stock").Value = Val(txtpet_stock.Text)
cmd.ExecuteNonQuery()
con.Close()
Dim cmd1 As New SqlCommand
con.Open()
cmd1.Connection = con
cmd1.CommandText = "update pro_detail set p_stock=@p_stock where p_id=2"
cmd1.Parameters.Add("@p_stock", SqlDbType.Real)
cmd1.Parameters("@p_stock").Value = Val(txtdes_stock.Text)
cmd1.ExecuteNonQuery()
con.Close()
Dim cmd2 As New SqlCommand
con.Open()
cmd2.Connection = con
cmd2.CommandText = "insert into inventoryfile values(@i_date,@i_petrol,@i_diesel)"
cmd2.Parameters.Add("@i_date", SqlDbType.VarChar)
cmd2.Parameters("@i_date").Value = Now().ToString("d")
cmd2.Parameters.Add("@i_petrol", SqlDbType.Real)
cmd2.Parameters("@i_petrol").Value = i

```



```
cmd2.Parameters.Add("@i_diesel", SqlDbType.Real)
cmd2.Parameters("@i_diesel").Value = j
If cmd2.ExecuteNonQuery > 0 Then
    MsgBox("stock updated")
End If
con.Close()
End Sub
End Class
```

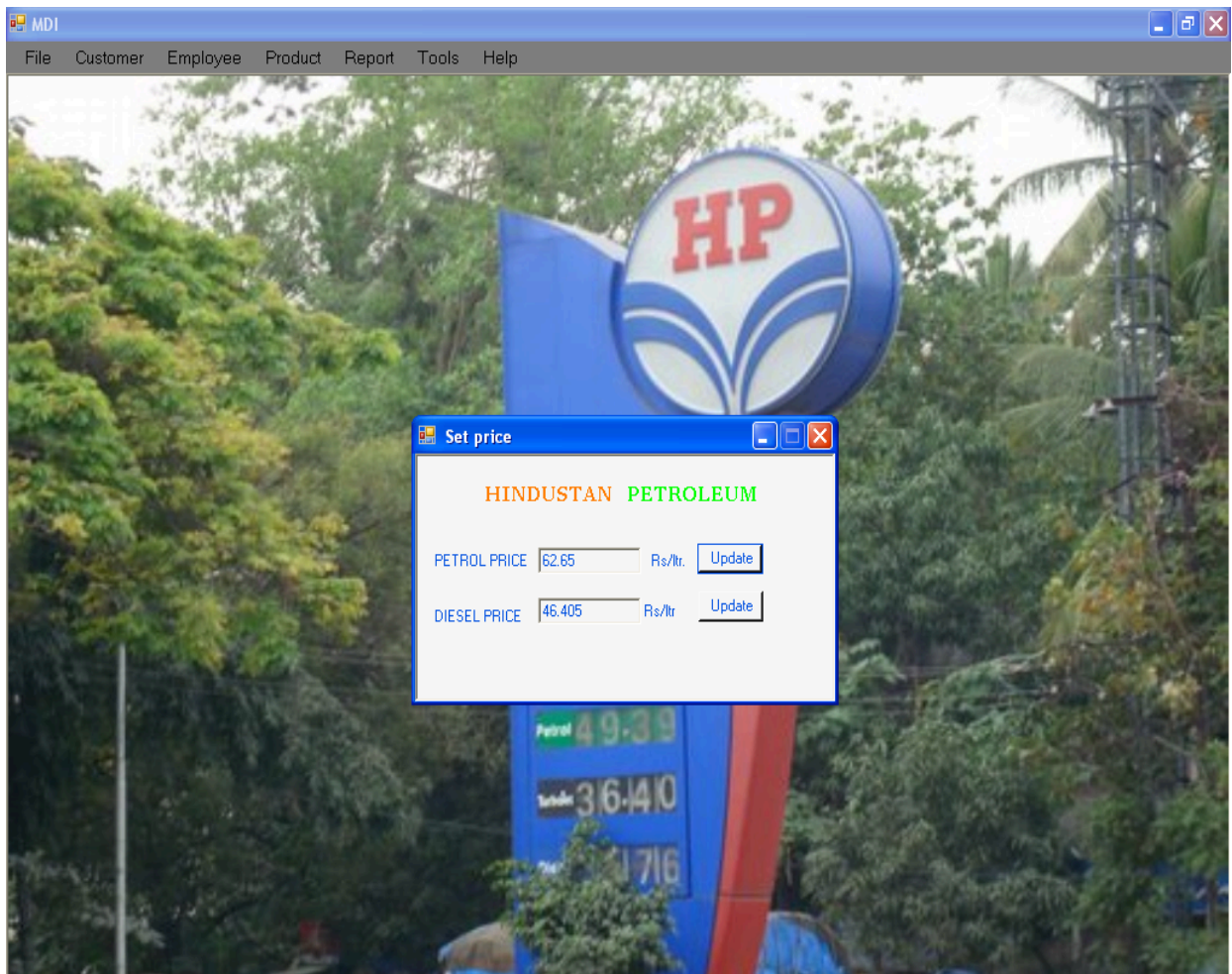
Test result:-



Program Name : price

Program Function: This is form is use to set and get product price

Data entry form:



Pseudo Code:

Sr. No.	ButtonName	Procedure	Description
1	Update	Click	Update the price of product

Code:-

```
Imports System.Data.SqlClient

Public Class price
    Dim petprice As Decimal
    Dim desprice As Decimal
    Public con As New SqlConnection(MDI.con.ConnectionString)
    Private Sub price_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        con.Open()
        Dim cmd4 As New SqlCommand
        cmd4.Connection = con
        cmd4.CommandText = "select * from pro_detail where p_id=1"
        Dim reader1 As SqlDataReader
        reader1 = cmd4.ExecuteReader
        While reader1.Read
            txtpet_price.Text = reader1.Item("p_price")
            petprice = reader1.Item("p_price")
        End While
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
        con.Open()
        Dim cmd5 As New SqlCommand
        cmd5.Connection = con
        cmd5.CommandText = "select * from pro_detail where p_id=2"
        Dim reader2 As SqlDataReader
        reader2 = cmd5.ExecuteReader
        While reader2.Read
            txtdes_price.Text = reader2.Item("p_price")
            desprice = reader2.Item("p_price")
        End While
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
    End Sub
    Private Sub btnp_update_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnp_update.Click
        Dim i As Decimal
        i = Val(TextBox("Enter new price", "price setup"))
        If i = 0 Then
        Else
            Dim cmd As New SqlCommand
            con.Open()
            cmd.Connection = con
            cmd.CommandText = "update pro_detail set p_price=@p_price where p_id=1"
            cmd.Parameters.Add("@p_price", SqlDbType.Real)
```

```

cmd.Parameters("@p_price").Value = i
cmd.ExecuteNonQuery()

txtpet_price.Text = i
If con.State = ConnectionState.Open Then
    con.Close()
End If
End If
End Sub

Private Sub btnd_update_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnd_update.Click
    Dim j As Decimal
    j = Val(TextBox("Enter new price", "price setup"))
    If j = 0 Then
    Else
        Dim cmd As New SqlCommand
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "update pro_detail set p_price=@p_price where p_id=2"
        cmd.Parameters.Add("@p_price", SqlDbType.Real)
        cmd.Parameters("@p_price").Value = j
        cmd.ExecuteNonQuery()

        txtdes_price.Text = j
        If con.State = ConnectionState.Open Then
            con.Close()

        End If
    End If
End Sub

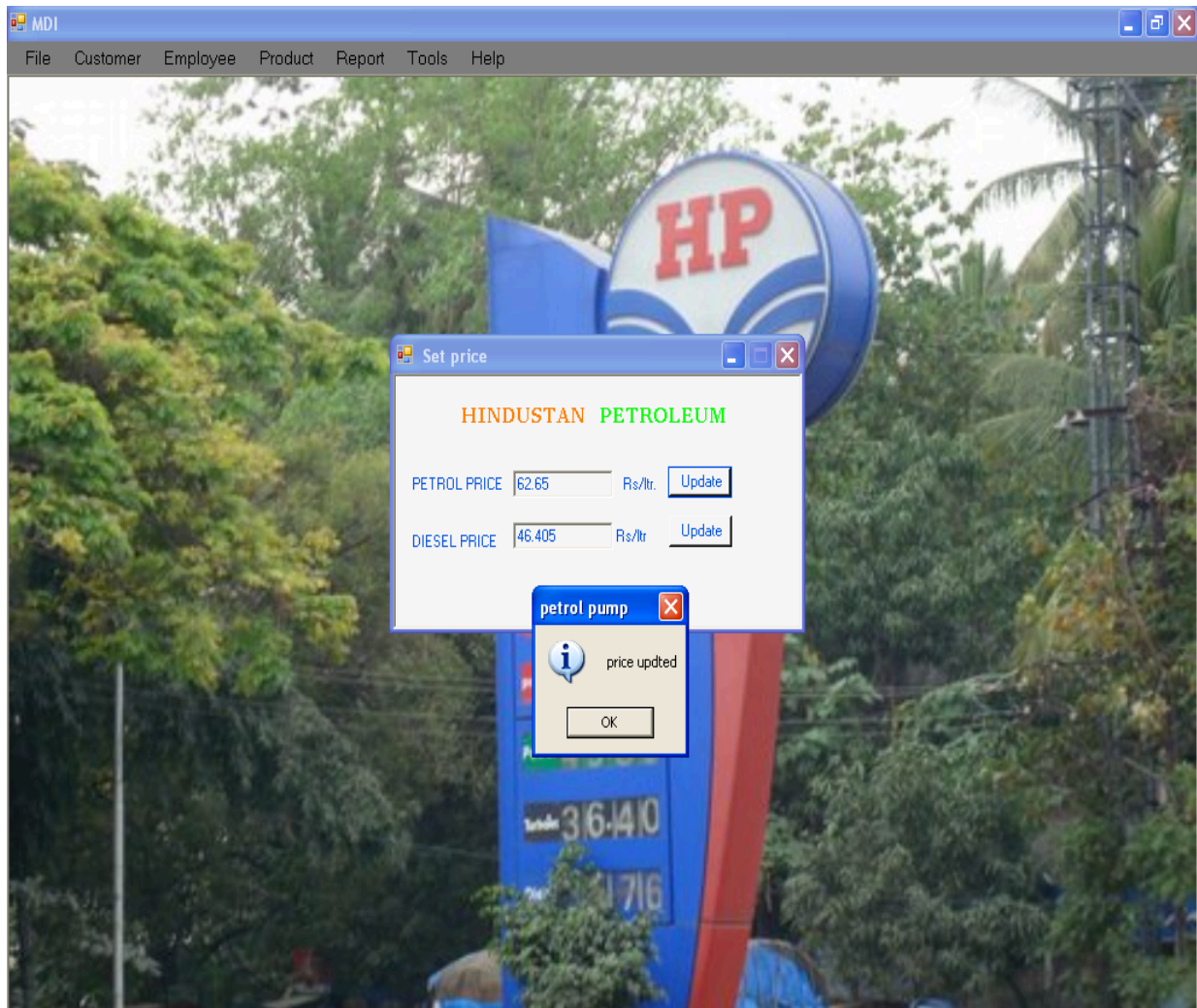
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs)

End Sub

End Class

```

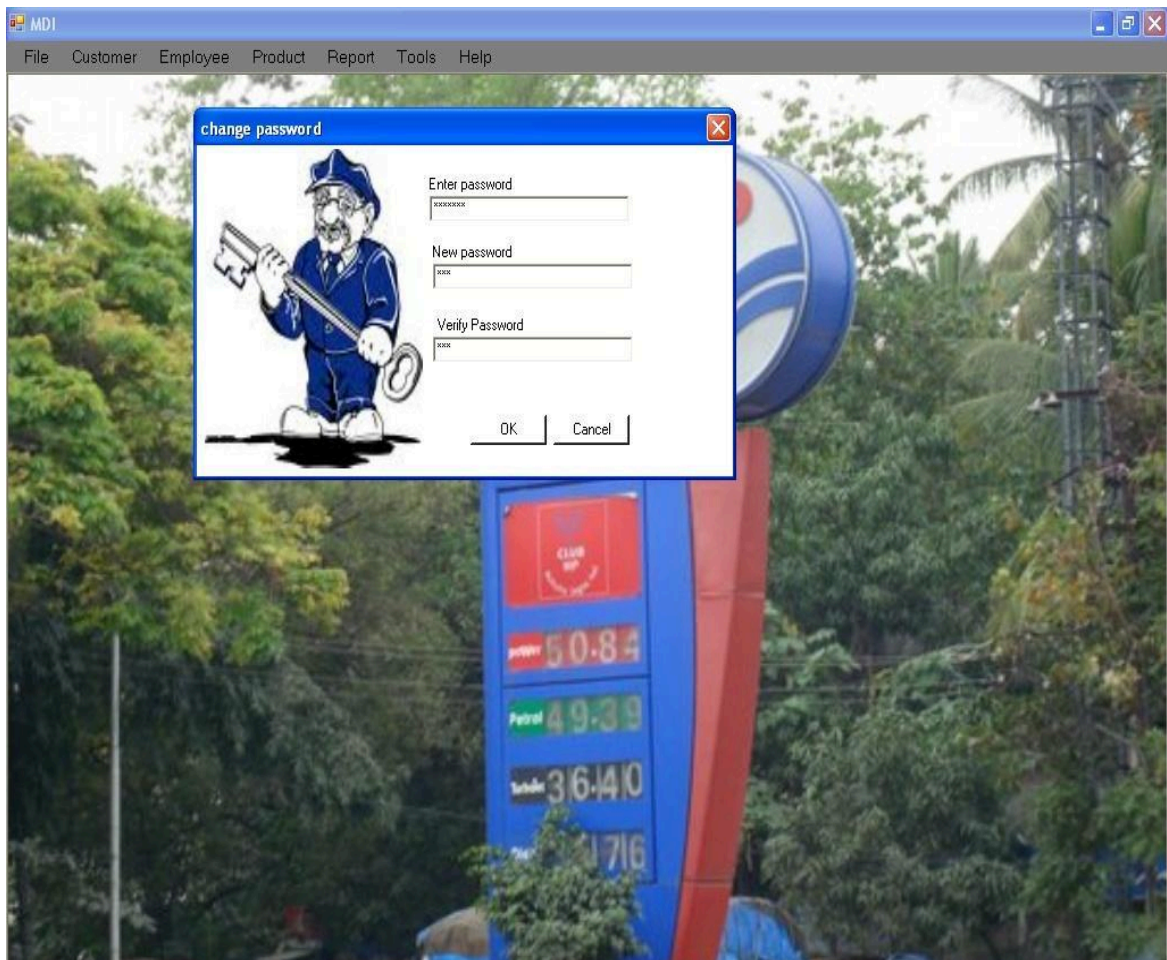

Test result:-



Program Name:-chgpas

Program Function: This is form is used to change the password of the user .

Data entry form:



Code:-

```

Imports System.Data.SqlClient
Imports System.Windows.Forms

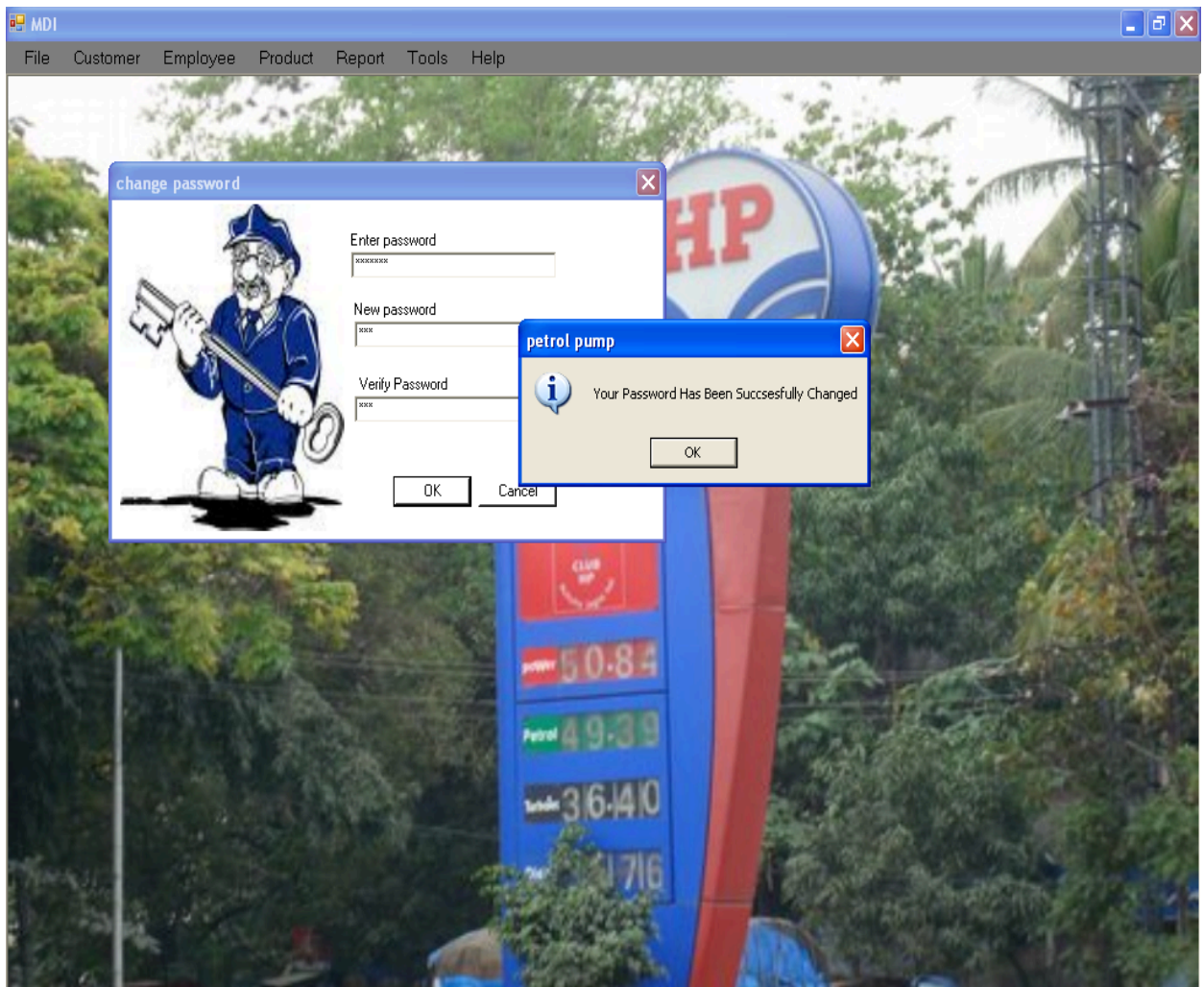
Public Class chgpass
    Public cn As New SqlConnection(MDI.con.ConnectionString)
    Private Sub btnok_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnok.Click
        If pass.Text = Login.password Then
            Dim cmd As New SqlCommand
            cmd.Connection = cn
            If cn.State = ConnectionState.Open Then
                cn.Close()
            End If
            cn.Open()
            If npass.Text = repass.Text Then
                cmd.CommandText = "update login set passwr=@passwr where
username=@username"
                cmd.Parameters.Add("@username", SqlDbType.VarChar).Value =
Login.cmbusername.Text
                cmd.Parameters.Add("@passwr", SqlDbType.VarChar).Value = npass.Text
                If cmd.ExecuteNonQuery > 0 Then
                    MsgBox("Your Password Has Been Succesfully Changed",
MsgBoxStyle.Information)
                End If
            Else
                MsgBox("Password mismatch", MsgBoxStyle.Exclamation)
            End If
        End If
    End Sub

    Private Sub btncancel_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btncancel.Click
        Me.Close()
    End Sub

End Class

```

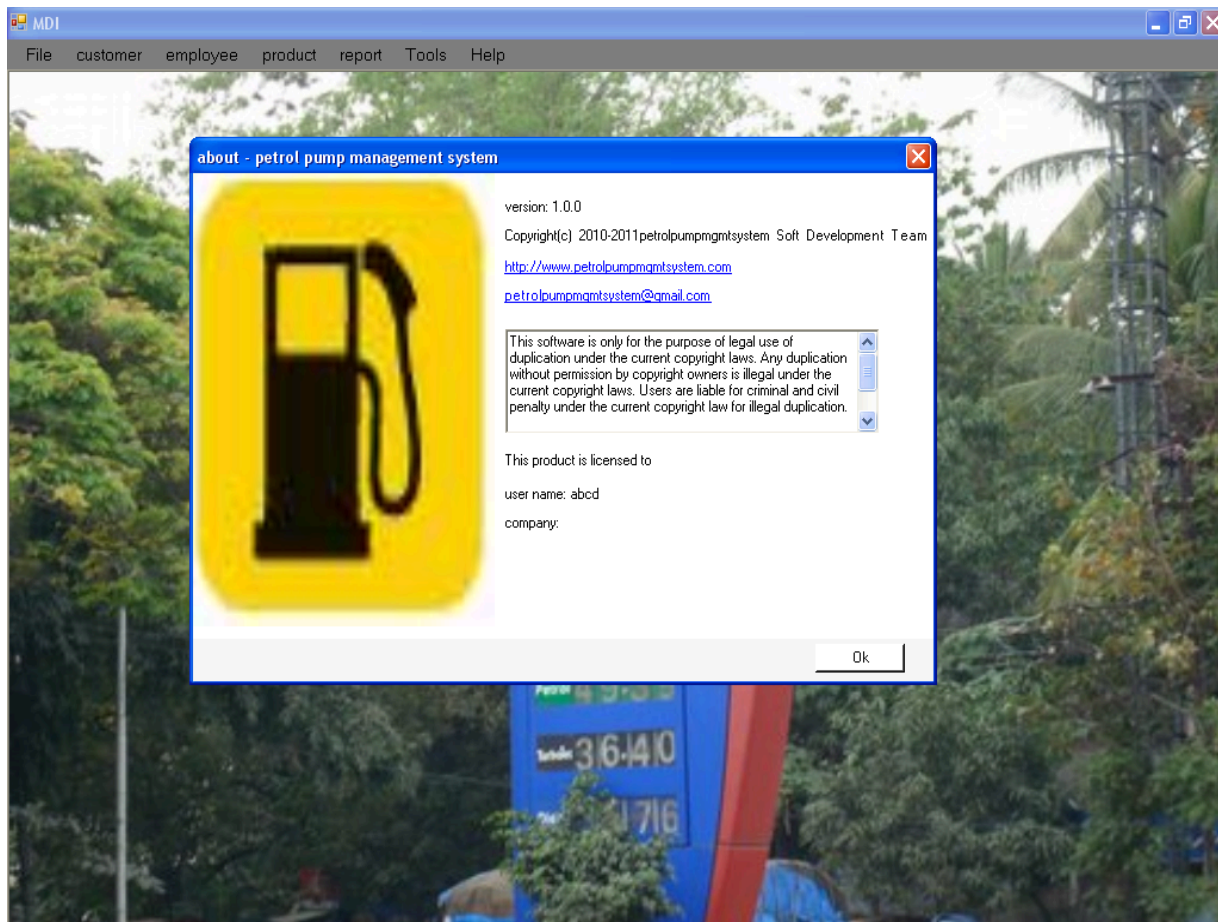
Test Result:



Program Name:-aboutus

Program Function: This is form is used to display details about system.

Test Result:

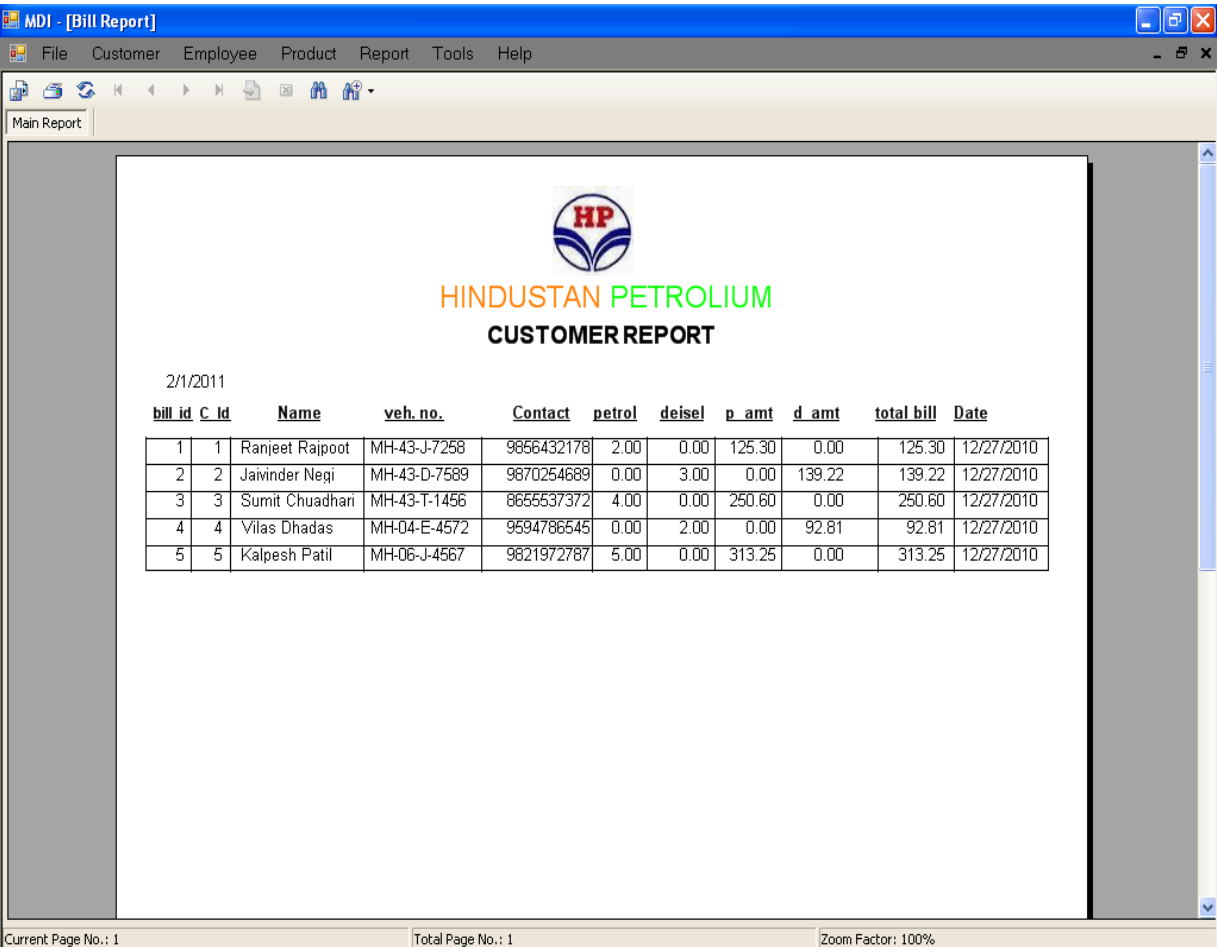


Report Layouts

Report Name:- customer

Report function:- This form displays report of all customers

Test Result:-



MDI - [Bill Report]

File Customer Employee Product Report Tools Help

Main Report

HINDUSTAN PETROLIUM
CUSTOMER REPORT

2/1/2011

bill id	C id	Name	veh.no.	Contact	petrol	deisel	p_amt	d_amt	total bill	Date
1	1	Ranjeet Rajpoot	MH-43-J-7258	9856432178	2.00	0.00	125.30	0.00	125.30	12/27/2010
2	2	Javinder Negi	MH-43-D-7589	9870254689	0.00	3.00	0.00	139.22	139.22	12/27/2010
3	3	Sumit Chuadhari	MH-43-T-1456	8655537372	4.00	0.00	250.60	0.00	250.60	12/27/2010
4	4	Vilas Dhadas	MH-04-E-4572	9594786545	0.00	2.00	0.00	92.81	92.81	12/27/2010
5	5	Kalpesh Patil	MH-06-J-4567	9821972787	5.00	0.00	313.25	0.00	313.25	12/27/2010

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Code:-

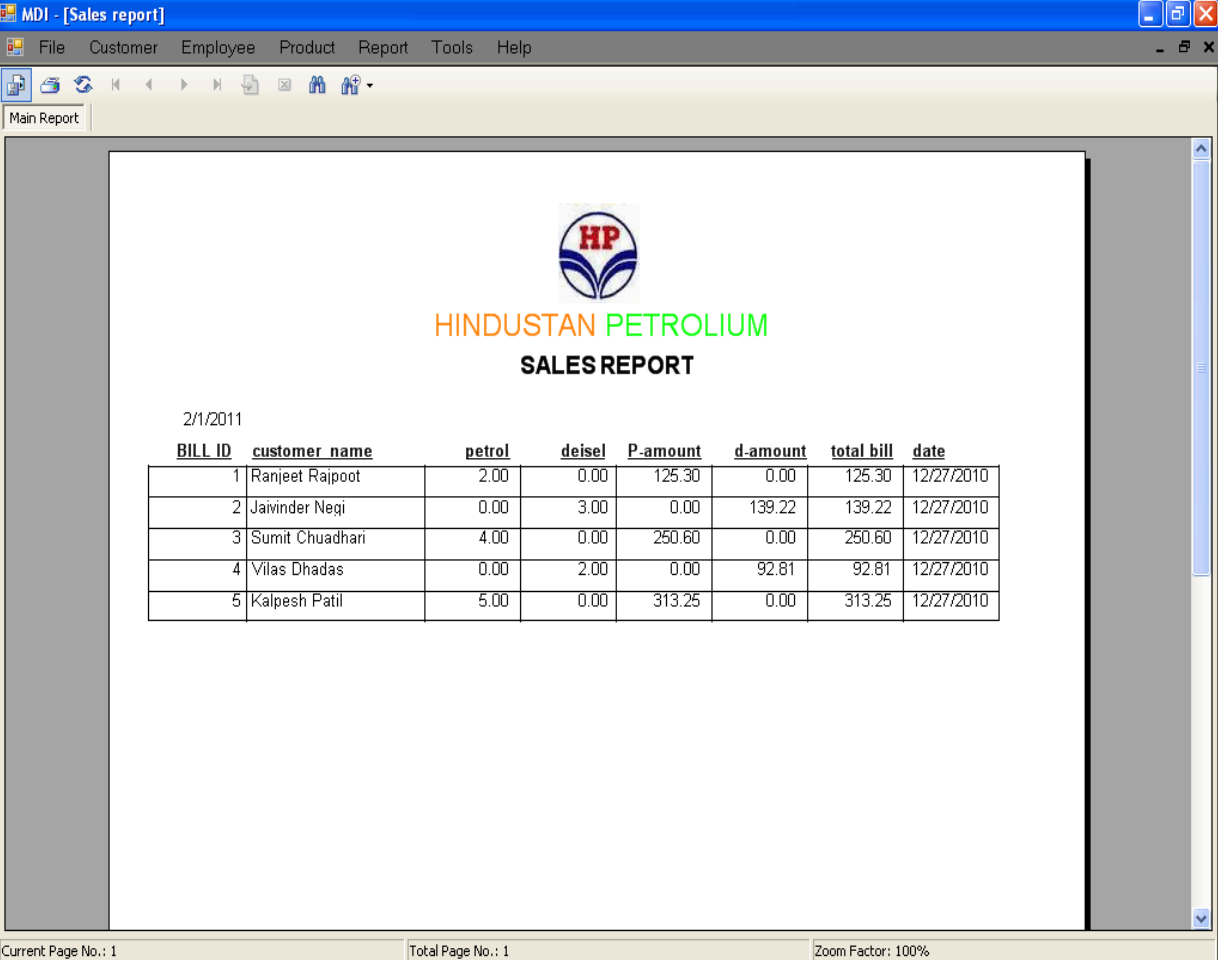
```
Imports CrystalDecisions.CrystalReports.Engine
Public Class billreport1

    Private Sub billreport1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Me.MdiParent = MDI
        Dim crptdoc As New ReportDocument
        crptdoc.Load("C:\petrol pump\petrol pump\CrystalReport11.rpt")
        CrystalReportViewer1.ReportSource = crptdoc
        CrystalReportViewer1.Update()
    End Sub
End Class
```

Report Name:- sales

Report function:- This form displays all sales report

Test Result:-



MDI - [Sales report]

File Customer Employee Product Report Tools Help

Main Report


HINDUSTAN PETROLIUM
SALES REPORT

2/1/2011

BILL ID	customer name	petrol	deisel	P-amount	d-amount	total bill	date
1	Ranjeet Rajpoot	2.00	0.00	125.30	0.00	125.30	12/27/2010
2	Jaivinder Negi	0.00	3.00	0.00	139.22	139.22	12/27/2010
3	Sumit Chuadhari	4.00	0.00	250.60	0.00	250.60	12/27/2010
4	Vilas Dhadas	0.00	2.00	0.00	92.81	92.81	12/27/2010
5	Kalpesh Patil	5.00	0.00	313.25	0.00	313.25	12/27/2010

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Code:-

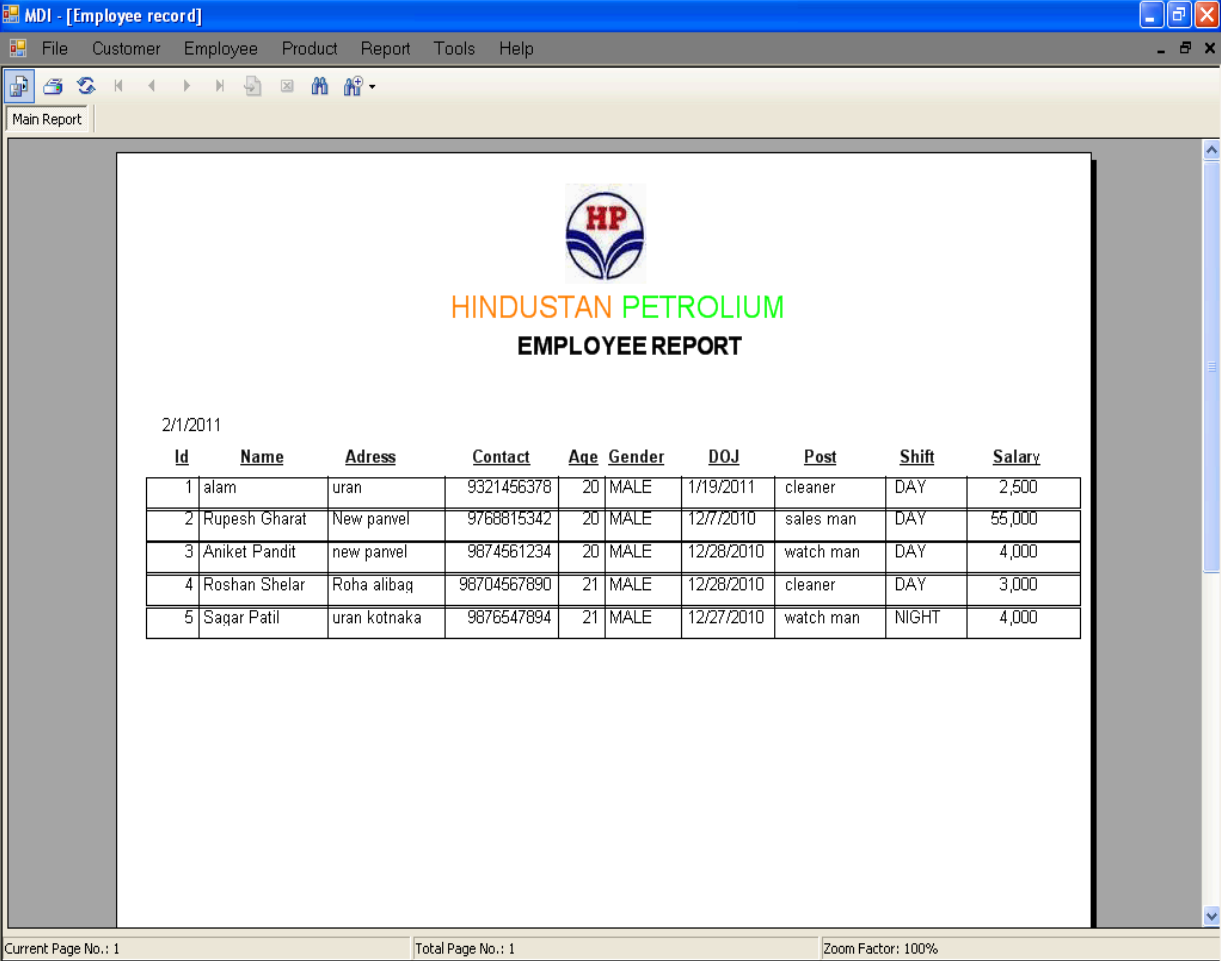
```
Imports CrystalDecisions.CrystalReports.Engine
Public Class sales

    Private Sub sales_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load
        Me.MdiParent = MDI
        Dim crptdoc As New ReportDocument
        crptdoc.Load("C:\petrol pump\petrol pump\Crystalsales.rpt")
        CrystalReportViewer1.ReportSource = crptdoc
        CrystalReportViewer1.Update()
    End Sub
End Class
```

Report Name: - emprecord

Report function: - This report is use to print & show the list of the employee

Test Result:-



MDI - [Employee record]

File Customer Employee Product Report Tools Help

Main Report

HINDUSTAN PETROLIUM
EMPLOYEE REPORT

2/1/2011

<u>Id</u>	<u>Name</u>	<u>Address</u>	<u>Contact</u>	<u>Age</u>	<u>Gender</u>	<u>DOJ</u>	<u>Post</u>	<u>Shift</u>	<u>Salary</u>
1	alam	uran	9321456378	20	MALE	1/19/2011	cleaner	DAY	2,500
2	Rupesh Charat	New parvel	9768815342	20	MALE	12/7/2010	sales man	DAY	55,000
3	Aniket Pandit	new parvel	9874561234	20	MALE	12/28/2010	watch man	DAY	4,000
4	Roshan Shelar	Roha alibag	98704567890	21	MALE	12/28/2010	cleaner	DAY	3,000
5	Sagar Patil	uran kotnaka	9876547894	21	MALE	12/27/2010	watch man	NIGHT	4,000

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Code:-

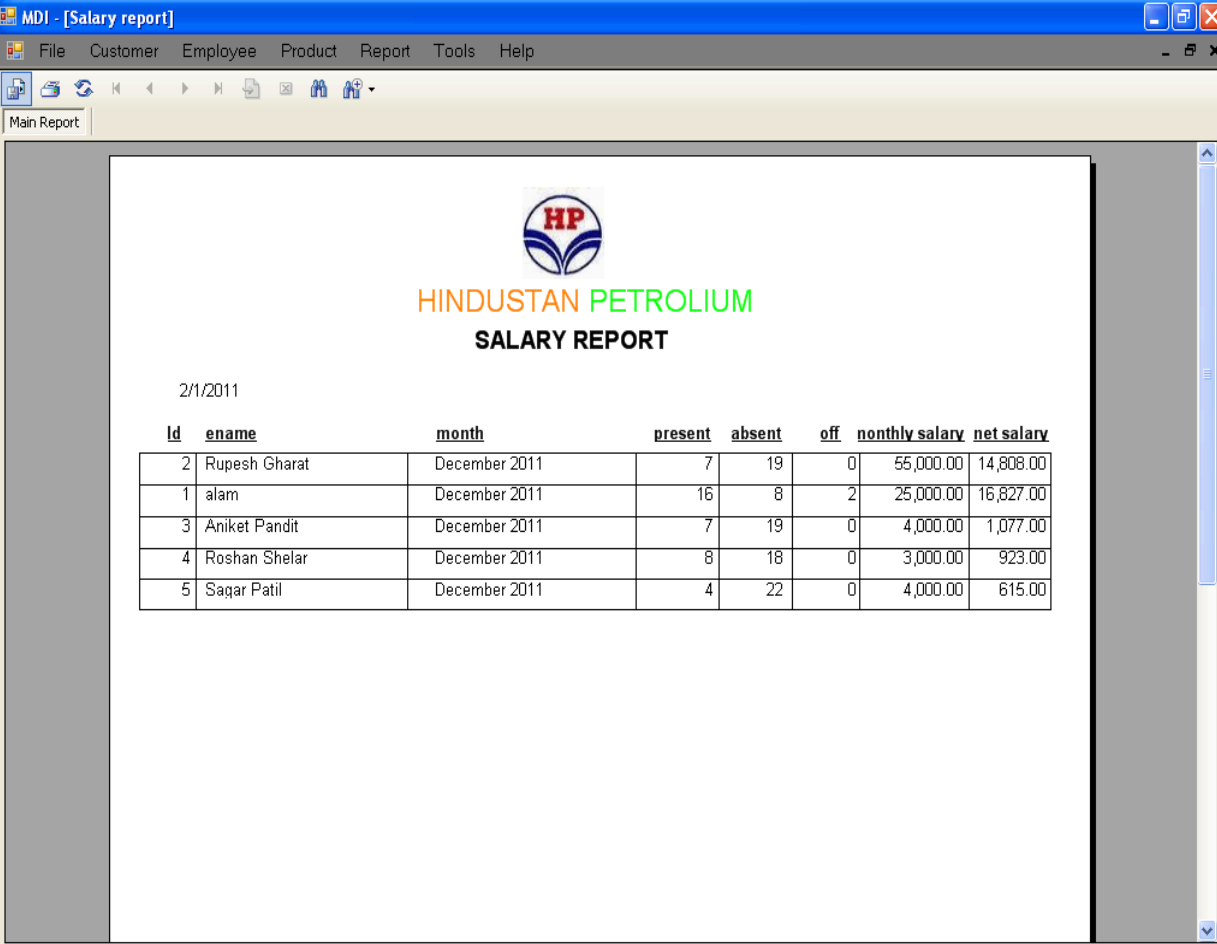
```
Imports CrystalDecisions.CrystalReports.Engine
Public Class emprecord

    Private Sub emprecord_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Me.MdiParent = MDI
        Dim crptdoc As New ReportDocument
        crptdoc.Load("C:\petrol pump\petrol pump\Crystalemp.rpt")
        CrystalReportViewer1.ReportSource = crptdoc
        CrystalReportViewer1.Update()
    End Sub
End Class
```

Report Name: - salaryreport

Report function: - This report is use to print & display salary report of employee

Test Result:-



MDI - [Salary report]

File Customer Employee Product Report Tools Help

Main Report

2/1/2011

HINDUSTAN PETROLIUM

SALARY REPORT

Id	ename	month	present	absent	off	monthly salary	net salary
2	Rupesh Gharat	December 2011	7	19	0	55,000.00	14,808.00
1	alam	December 2011	16	8	2	25,000.00	16,827.00
3	Aniket Pandit	December 2011	7	19	0	4,000.00	1,077.00
4	Roshan Shelar	December 2011	8	18	0	3,000.00	923.00
5	Saqar Patil	December 2011	4	22	0	4,000.00	615.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Code:-

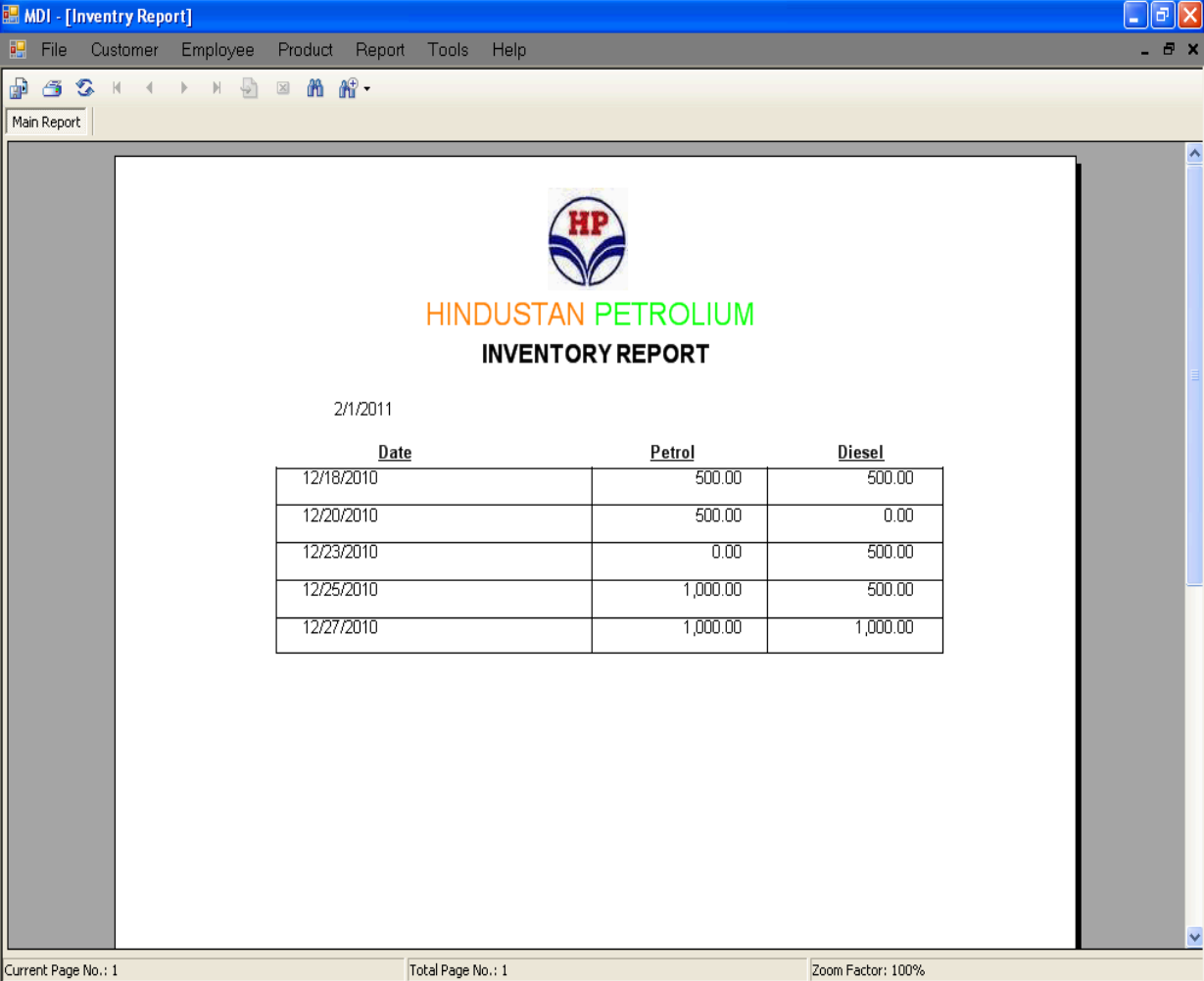
```
Imports CrystalDecisions.CrystalReports.Engine
Public Class Salaryreport

    Private Sub Salaryreport_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Me.MdiParent = MDI
        Dim crptdoc As New ReportDocument
        crptdoc.Load("C:\petrol pump\petrol pump\Crystalsalary.rpt")
        CrystalReportViewer1.ReportSource = crptdoc
        CrystalReportViewer1.Update()
    End Sub
End Class
```

Report Name: - inventoryreport

Report function: This report is use to print and show inventory detail

Test Result:-



MDI - [Inventory Report]

File Customer Employee Product Report Tools Help

Main Report


HINDUSTAN PETROLIUM
INVENTORY REPORT

2/1/2011

<u>Date</u>	<u>Petrol</u>	<u>Diesel</u>
12/18/2010	500.00	500.00
12/20/2010	500.00	0.00
12/23/2010	0.00	500.00
12/25/2010	1,000.00	500.00
12/27/2010	1,000.00	1,000.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Code:-

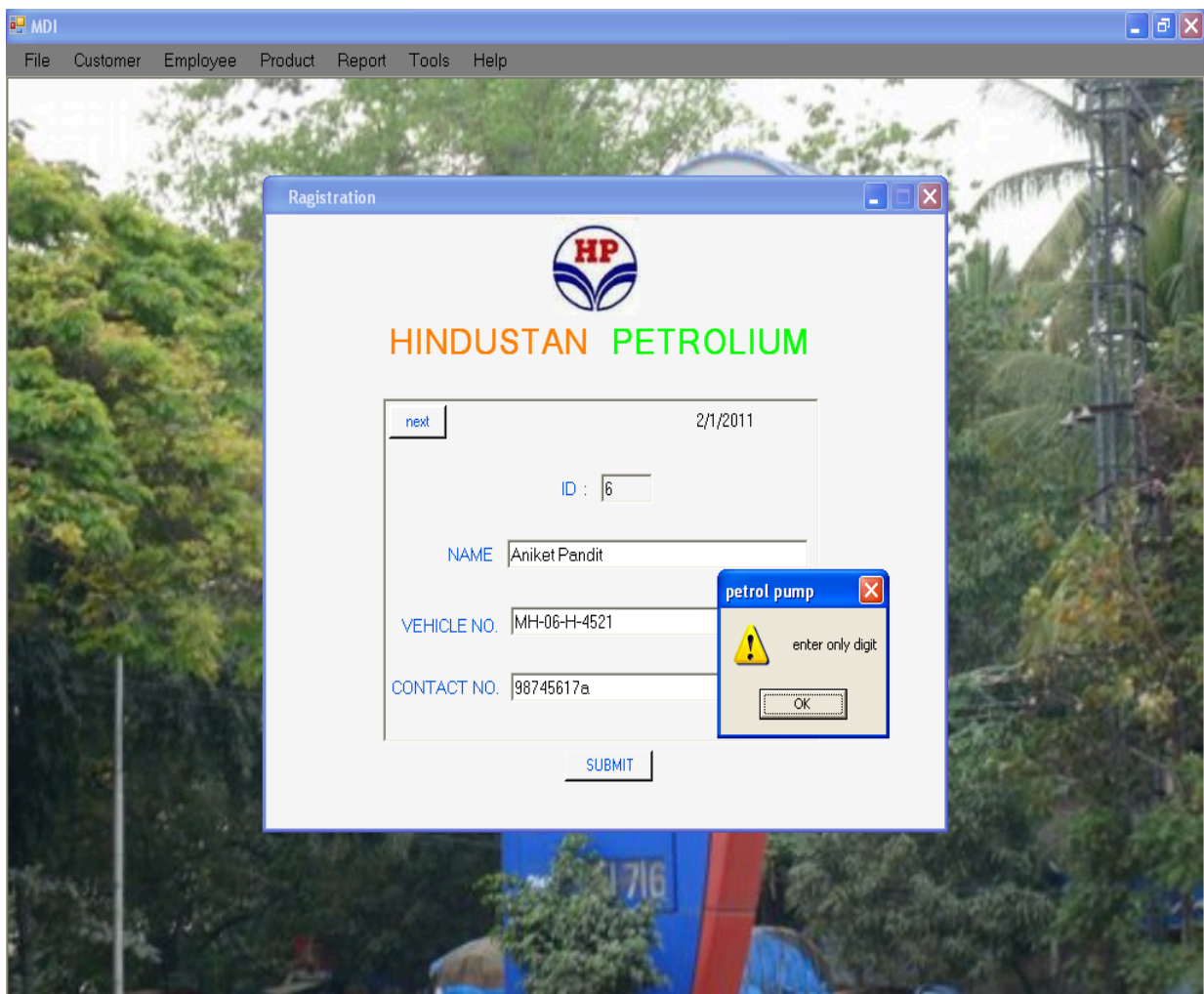
```
Imports CrystalDecisions.CrystalReports.Engine
Public Class inventoryreport1

    Private Sub inventoryreport1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Me.MdiParent = MDI
        Dim crptdoc As New ReportDocument
        crptdoc.Load("C:\petrol pump\petrol pump\Crystalinventory.rpt")
        CrystalReportViewer1.ReportSource = crptdoc
        CrystalReportViewer1.Update()
    End Sub

End Class
```

Validations

Test Cases:- Invalid Phone number.



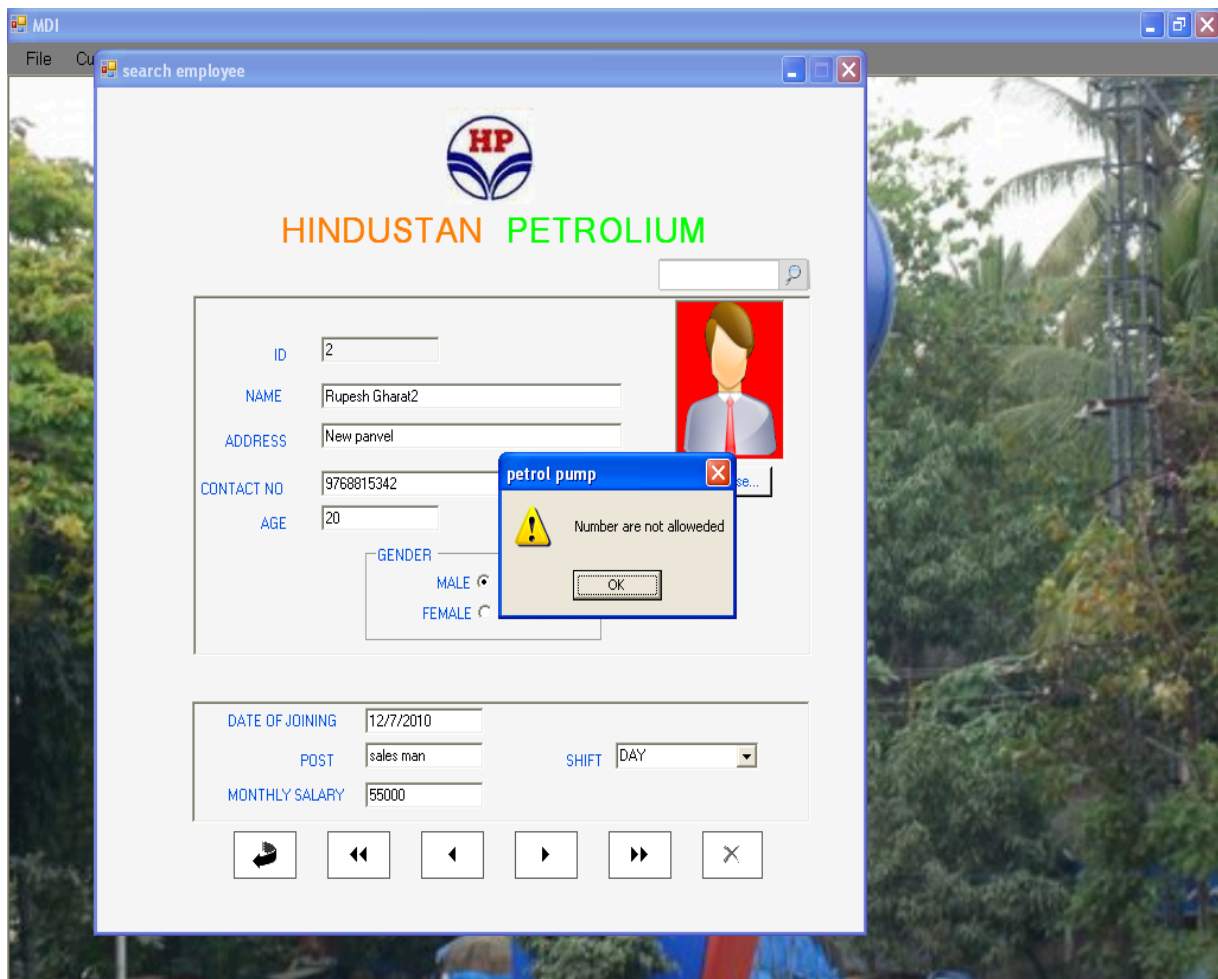
Code:-

```
Private Sub txtc_r_name_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtc_r_name.KeyPress
    Dim c As Char
    c = e.KeyChar
    If (Char.IsDigit(c)) Then
        e.Handled = True
        MsgBox("Number are not alloweded")
    End If
End Sub
```

```
Private Sub txtc_r_contno_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txtc_r_contno.TextChanged
    If txtc_r_contno.TextLength = 12 Then

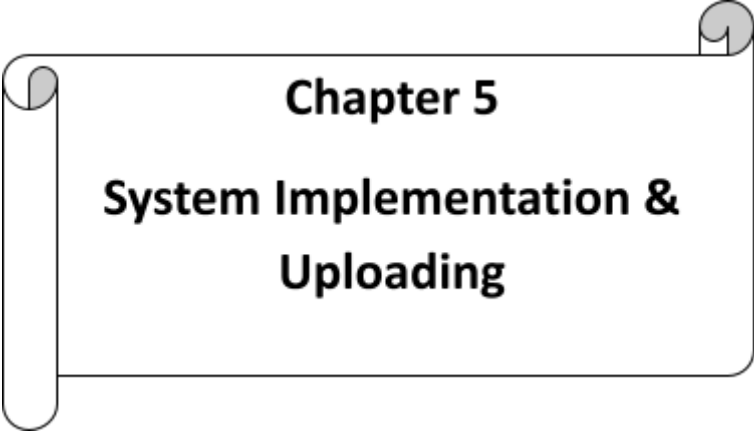
        MsgBox("Maximum 12 Digit are alloweded")
    End If
End Sub
End Class
```

Test Cases:- Invalid name



Code:-

```
Private Sub txtpost_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles txtpost.KeyPress  
    Dim c As Char  
    c = e.KeyChar  
    If (Char.IsDigit(c)) Then  
        e.Handled = True  
        MsgBox("Number are not allowed")  
    End If  
End Sub
```



Chapter 5

System Implementation & Uploading

System Implementation

1. Install visual studio 2008 and sql server 2005.
2. Attach database to sql server 2005.
3. Copy project files on the machine
4. Execute the project.

SYSTEM CONTROLS AND STANDARDS

1. Access control:-

System gives access by valid password.

2. Input control:-

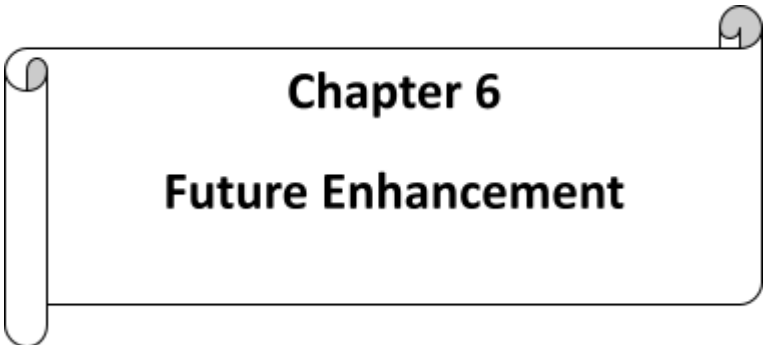
System validates every textbox. It allows textual values for fields like customer name. It also validates some numeric data only for fields like phone no.

3. System Generated control:-

In Order details it automatically calculates total price of the product. Similarly in Receipt details it automatically deducts the amount from the actual amount.

4. Range control:-

In Order Transaction the system checks whether quantity given by the user is not more than the available product.



Chapter 6

Future Enhancement

Future Enhancement

Being a computer system, the system has good scope to be improved further.

Future Enhancements are as listed below

- Administrator can be given more rights so that he will be able to change order details.
- Type 4 driver will be used so that sytem will work faster.
- I will develop the system on LAN to setup the connection between other petrol pump of same company.

Conclusion

- System helps to store all the data about the customer order in computer and there is no need to do paper work.
- Data is going to be preserved carefully for longer period hence proper backup is required otherwise there is chance of losing entries or data.

Chapter 7
References &
Bibliography

References & Bibliography

Sr.No.	Type	Description
1.	Book name : Author : Publication :	Visual Basic 2008 Anne Boehm Murach
2.	Book name : Author : Publication :	Mastering Visual Basic 2008 Evangelos Petroutsos Wiley-India Edition
3.	Book name : Author : Publication :	Professional SQL Server 2005 Integration Services Brian Knight, Allan Mitchell, Darren Green, Mike Murphy Kindle Edition
4	URL	www.google.com www.wonderranchpublishing.net www.hindustanpetroleum.com

