Sadguru Gadage Maharaj College, Karad.

A

PROJECT REPORT

ON

Hardware Shop Management System

SUBMITTED TO

Shivaji University, Kolhapur

THROUGH

Department of Computer Science

Sadguru Gadage Maharaj College, Karad

IN PARTIAL FULFILLMENT OF THE DEGREE

Bachelor of Computer Science (B.C.S.)

Part -3 Semester -6

Submitted By

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Mr. Suryawanshi Rutik Ramesh

Year: 2021-2022

RAYAT SHIKSHAN SANSTHA'S

Sadguru Gadage Maharaj College, Karad.

CERTIFICATE

This is certify that Mr. Suryawanshi Vishal Sanjay and Mr. Suryawanshi Rutik Ramesh have satisfactorily completed the Major project entitled as "Hardware Shop Management System" in the partial Fulfilment of B.Sc Computer Science(Entire)-III. (Sem.6) during the academic year 2021-22.

Place: Karad

Date:

Guide **Examiner** **Head of Department**

Dept. of Computer Science

S.G.M. College, Karad

ACKNOWLEDGEMENT

We express our sincere thanks to Hon. Principle Dr. M. Rajmane of S.G.M. College, karad for providing us required university rule and regulation to complete this project work in time.

We are also thankful to Mr. Nalawade sir (HOD of C.S Department) and our guide Miss. Deshmukh who encourage, advise and suggest us to successful complete our project. We are thankful to our librarian and there staff for providing us all library facilities time to time .We would like to thank to other teaching and nonteaching staff members of C. S. Department.

At last but not least, we are very much thankful to our parent and friends for co-operation to successfully complete this project in time.

Mr. Suryawanshi Vishal Sanjay Mr. Suryawanshi Rutik Ramesh

Place : Karad

Date :

DECLARATION

We hereby declare that, the industrial project entitled **"Hardware Shop Management System"** has not formed earlier the basic for the award of degree of this or any other University or examination body.

Further we declared that we have not violated any of the provisions under copyright act.

Place: Karad

Date:

Name	**Exam Seat No.**	**Sign**
1)Suryawanshi Vishal Sanjay	**37081**	
2)Suryawanshi Rutik Ramesh	**37079**	

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Chapter – 1

Introduction To Organization

❖ Introduction to Organization:

What is management ?

Management involves co-ordinating and overseeing the work activities of others so that their activities are completed efficiently and effectively.

Hardware Shop management is the process of analysing, planning, producing and evaluating it is different way of promoting a product, service or idea. If and Hardware Shop is managed efficiently and effectively, it can be used as a very powerful promotional tool to launch or market a product or service. Hardware Shop management requires certain core values to be deployed to every element, process and decision to justify professional approach and achieve effective and efficient result.

A Hardware Shop can be described as a public assembly for the purpose of calibration, education, marketing or reunion. Hardware Shop can be based on the transaction type and context in Hardware Shop. The no of transactions involves in organizing a Hardware Shop depends upon the size and scale of an transactions.

Chapter – 2

Introduction
To
System And Project

❖ Introduction To System And Project :

2.1 About project:

Hardware Shop Management System is used to manage all the activity related to the transactions in any Hardware Shop many Hardware Shops work simultaneously and it is very hard to manage this manual work. To manage some importatnt transaction related activity, we have developed this software. To get easy manipulation in the post management business user should have strong network contact of service provider. These transactions are essentially providers of specific services who can be mobilized quickly to participate in any given transaction. To make an event successful transaction needs different transaction schemes like government money investment schemes and daily transactions like money order, speed post and so on. In present system event company has to do all management work manually.

Hardware Shop employee keep all transactions information on papers. There is no system to check payment register and this task is very time consuming and tiresome. Keeping all these problems in mind we have developed this system helps the Hardware Shop management company to manage their paper work computerized and they can also retrieve report of last transaction they have completed.

2.2 Objective of the system:

The main reason behind the development of the system is to overcome the problems and provide the good and quick service to user during system.

The system consists many objectives as follows:

1) To increase efficiency and make work effective.
2) This system also uses to current and quick working.
3) To reduce manpower and paperwork.
4) The objective of this system is to store large amount of data with less space and less time
5) To introduce drawbacks of manual system.
6) To provide good service and give desired and accurate result.
7) There is no loss of data.
8) Using computer software addition, modification, view, deletion of record is quickly possible.

The main objective is to provide security, authority conclusion and further privacy and also is any unauthorized person cannot destroy or get information.

2.3 Scope of system:

1) Saving of man power :

Due to computerization there is consideration saving in manpower and time because all transaction are carried out automatically.

2) Accuracy and efficiency:

No wrong data is possible because of the validation checks by system.

3)Early and correct decision making:

Because of fast communication, report making procedure is simplified and fast.

4)Immediate response to queries:

Due to computerization the queries of different transaction can reduced.

5)Advantages of computerization:

To overcome limitation of existing system, computerization is correct choice of computer in any field and it reduce the time required to do a particular job.

2.4 User requirement:

- Although the system is a simple one, a user is able to understand simple computer processes is needed to run the system.
- The organizer will be the person who enter the data needed in to the system, thus an user needs also be efficient to utilize easy manual work that can be provided by this software.
- The system also needs Microsoft SQL Server for the organizations database management system.
- Different information is entered into the database such as information about the different schemes and daily transactions.
- The user have respective accounts with password that enables the organizer to login on to the system.
- Correct information is to be entered in to the system to prevent mismanaged conflicts to occur. This view makes the information provided by the system to reliable and useful.
- The target users of the system are deemed to understand basic computer processes so use of this system will be easy for them.

Chapter – 3

Investigation Phase

❖ Investigation Phase

3.1 Existing system:

- In existing system there are lots of paper work and manual processing.
- Records very carefully as the entire data is written in those book
- Everything is paper based hence it is very time consuming more than person can't access the data at same time
- There is no system to check the past expenses on any event to do this they have to check payment register and this task is too much time consuming and tiresome.
- The manually system work very difficult and very complex for manages celebration.

Need for new system:

- Keep proper records of items.
- It also maintains correct and quick processing to get some printed output or records. Daily register, monthly events, yearly event etc.
- The main objective of this system to store large amount of data within less time
- The most important objective is to provide the security. Authority security and further privacy and also provide management of information very quickly.
- To overcome some problem that comes during existing system.
- Now the day, everyone lives with very fast life; no one can wait a time consuming so new system do the necessary and speedy job daily monthly yearly easily and quickly.

3.2 Proposed System:

Introduction to proposed system: Computer is manmade machine. It takes some data as input process as per instruction and give result very quickly and accurately. System is an orderly grouping interdependent component linked together to according to plan to achieve specific objective.

There are many drawbacks in manual system. To overcome these all drawbacks there is need of computerization there are many chances of mistakes while calculation. When calculation is performed on computer, we get more accuracy than manual work. It is easy to generate reports which can received quickly therefore it save the time and energy so fact is reduce man power automatically.

It proposed system when we enter information for new entries, details of event on computer then within fraction of time report will generate. As well as we see total information of particular customer and also we removed particular record from computer and the information about particular field is updated automatically you can create bill receipt on these proposed system. We can see reports at any time on system.

Chapter – 4

Requirement Analysis

❖ Requirement Analysis

4.1 Hardware and software requirement:

System specification divided into two categories. You must have certain software and hardware installed on your computer. The minimum system specifications include.

➢ HARDWARE SPECIFICATION

1) RAM : 4.00 GB
2) HARD DISK : 16 GB

➢ SOFTWARE SPECIFICATION

1) MICROSOFT VISUAL STUDIO 2010
2) CRYSTAL REPORT- REPORTS
3) SQL SERVER
4) Language Used: C#.Net

Chapter – 5

System Analysis And Design

❖ System Analysis And Design

5.1 System Analysis:

It checks whether system will used if is developed and implement are the system able to handle the system, whether the proposed system because any trouble etc. this feasibility focuses on the capacity of the user and after studying this, programmer can decide about the design of the system.

The existing system required a low cost hardware and software. Technical feasibility sender around the existing computer system (software hardware etc.) and to what extend it proposed addition. This also include the need for more software, hardware or personal and the possibility of instead search facility.

The system analyst knows what the user is expecting out of the proposed system based on this body of knowledge. The feasibility aspects are worked out of this is done to feasibility study. The key considerations are involved in feasibility study.

5.2 Feasibility Study:

The Feasibility study is useful to evaluate cost and benefits of the system required. There at main aspect in the feasibility study. A feasibility study is conducted to select the best system that meet initial and identification dissipation evaluation of candidate system and the selection of best system for the job.

The system analyst knows what the user is expecting out of the proposed system based on this body of knowledge. The feasibility aspects are worked out of this is done to feasibility study. The key considerations are involved in feasibility study.

1) **Technical feasibility –**

The technical feasibility focuses on the existing computer hardware software and personal it also includes the possibility of processing or installing such facility.

The existing system required a low cost hardware and software. Technical feasibility sender around the existing computer system (software hardware etc.) and to what extend it proposed addition. This also include the need for more software, hardware or personal and the possibility of instead search facility.

2) Operational feasibility :

It considers the acceptability of the system. It checks whether system will be used it is developed and implemented or the users of the system able to handle the system, whether the proposed system cause any trouble, etc.

Another name of feasibility is behavioural feasibility. It considers accessibility of system. It checks whether system will used if is developed and implement are the system able to handle the system, whether the proposed system because any trouble etc. this feasibility focuses on the capacity of the user and after studying this, programmer can decide about the design of the system.

3) Economic feasibility:

It considers profit of the proposed system the benefit is always expected to the overweighting the cost. Economic feasibility is helpful to find the system development cost and checks whether it justifiable for that it checks, investigation cost, software and hardware cost, training cost, salaries, maintenance cost etc. in development following methodology is adopted. It is most frequently used method for the effectiveness of the candidate system.

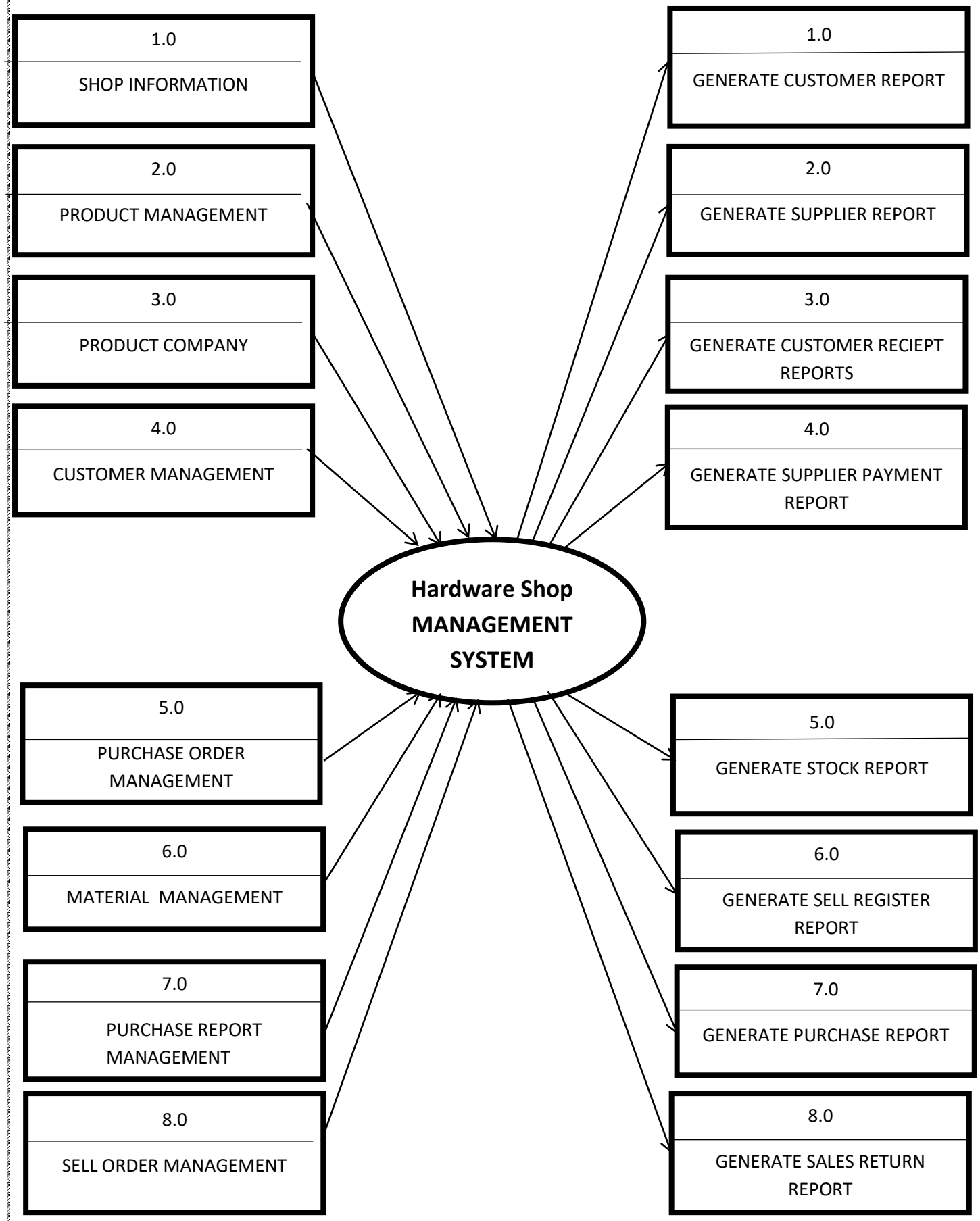
It is also known as cost and benefits analysis the cost of providing solution is estimated and is compared with the benefits. Only when the benefits are more than the cost involved, the system proposal passes through subsequent stem of system analysis. Otherwise further justification or alternation in the proposed system will have to be made, if it is to have a change of being

approved. This is an on-going effort that improves in accuracy at each phase of the system life cycle.

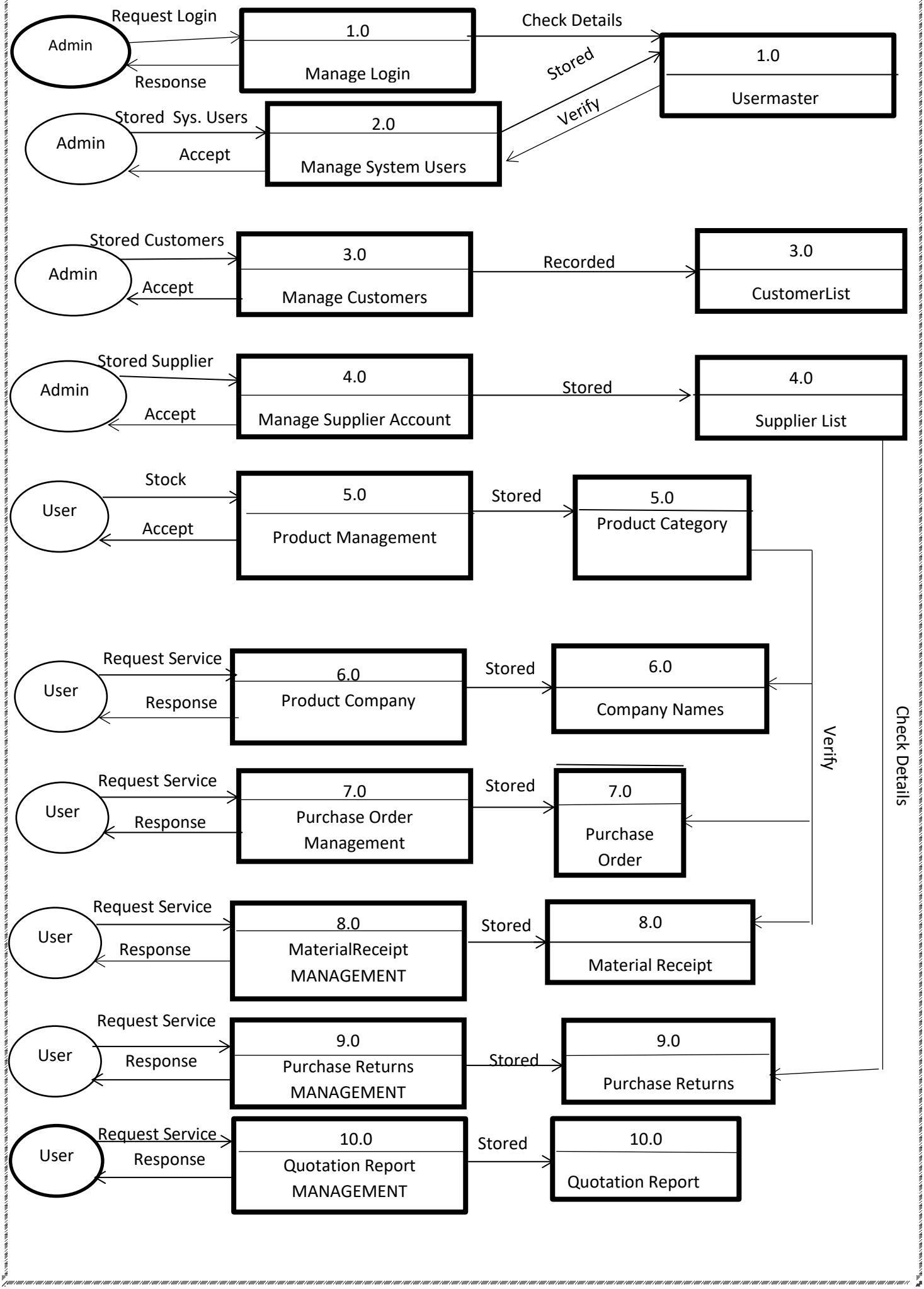
a. You must get requirement of the user known .you should collect all the detailed and relevant information of the system. They you must classify the gathered information into groups or subgroups.
b. Next, you must draw the flowchart of the system and also class diagram extended dataflow diagram and entity relationship diagram and dataflow diagram.
c. Next, you must create the necessary database, start coding according to system specification.
d. After coding you must test system and make your code error free and finally prepared necessary documents for the users convince. Implement your system in the organization.

5.3.1 Zero Level DFD

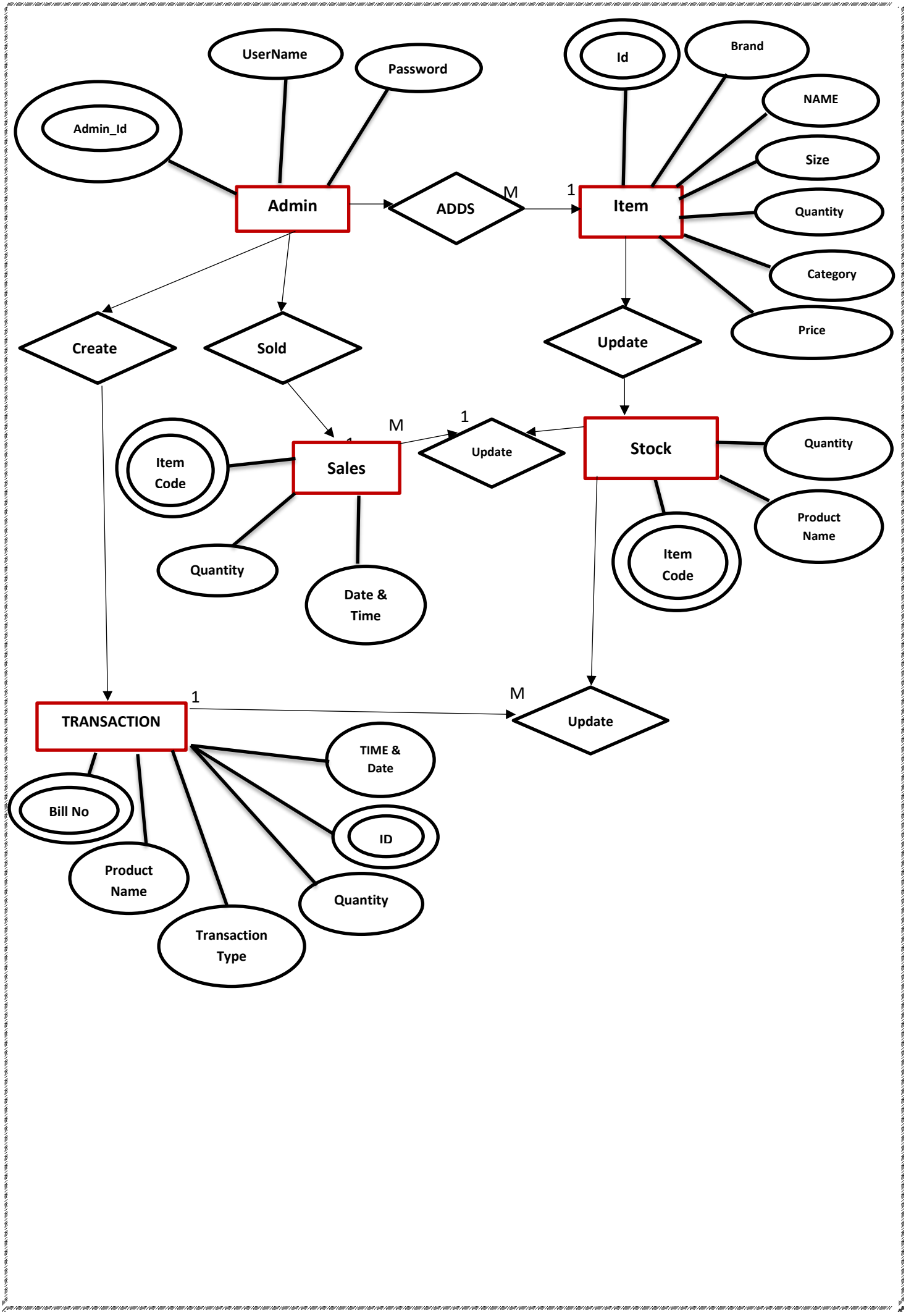
11.0


1.0
SHOP INFORMATION
2.0
PRODUCT MANAGEMENT
3.0
PRODUCT COMPANY
4.0
CUSTOMER MANAGEMENT
5.0
PURCHASE ORDER MANAGEMENT
6.0
MATERIAL MANAGEMENT
7.0
PURCHASE REPORT MANAGEMENT
8.0
SELL ORDER MANAGEMENT
Hardware Shop MANAGEMENT SYSTEM
1.0
GENERATE CUSTOMER REPORT
2.0
GENERATE SUPPLIER REPORT
3.0
GENERATE CUSTOMER RECIEPT REPORTS
4.0
GENERATE SUPPLIER PAYMENT REPORT
5.0
GENERATE STOCK REPORT
6.0
GENERATE SELL REGISTER REPORT
7.0
GENERATE PURCHASE REPORT
8.0
GENERATE SALES RETURN REPORT

5.3.2 First Level DFD


Admin
Request Login
Response
1.0
Manage Login
Check Details
Stored
Verify
1.0
Usermaster
Admin
Stored Sys. Users
Accept
2.0
Manage System Users
Admin
Stored Customers
Accept
3.0
Manage Customers
Recorded
3.0
CustomerList
Admin
Stored Supplier
Accept
4.0
Manage Supplier Account
Stored
4.0
Supplier List
User
Stock
Accept
5.0
Product Management
Stored
5.0
Product Category
User
Request Service
Response
6.0
Product Company
Stored
6.0
Company Names
User
Request Service
Response
7.0
Purchase Order Management
Stored
7.0
Purchase Order
User
Request Service
Response
8.0
MaterialReceipt MANAGEMENT
Stored
8.0
Material Receipt
User
Request Service
Response
9.0
Purchase Returns MANAGEMENT
Stored
9.0
Purchase Returns
User
Request Service
Response
10.0
Quotation Report MANAGEMENT
Stored
10.0
Quotation Report
Verify
Check Details

5.4 ER Diagram

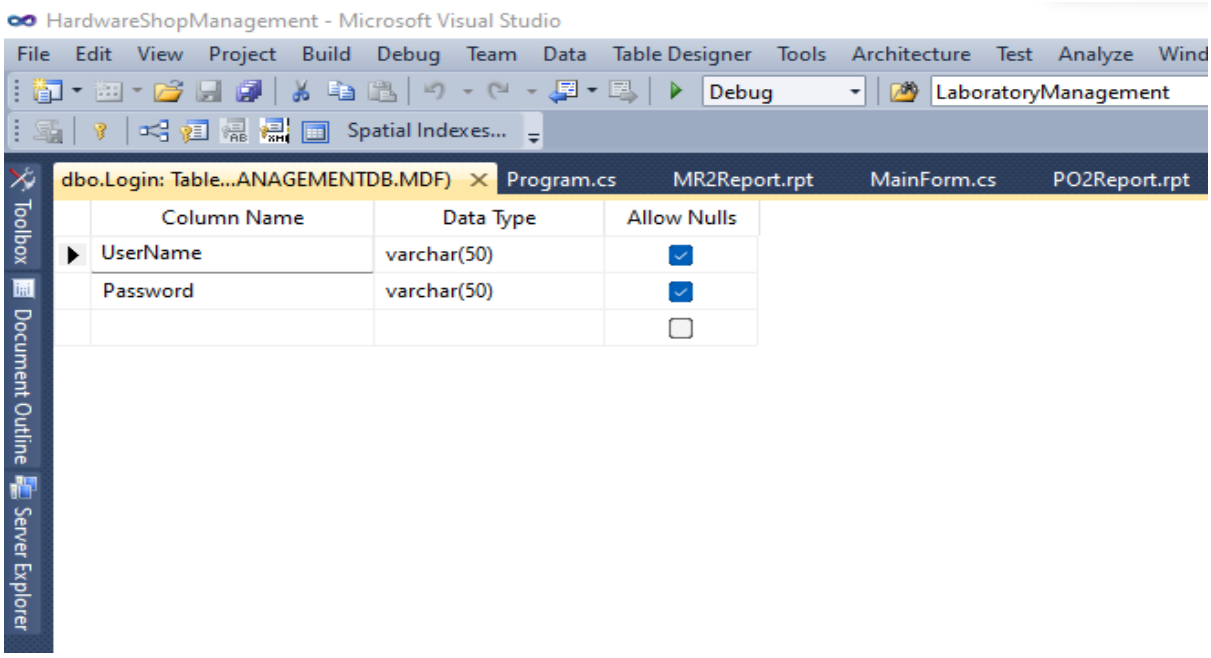

UserName
Password
Admin_Id
Admin
ADDS
M
1
Item
Id
Brand
NAME
Size
Quantity
Category
Price
Create
Sold
Update
Item Code
Sales
M
1
Update
Stock
Quantity
Product Name
Item Code
Quantity
Date & Time
TRANSACTION
1
M
Update
TIME & Date
Bill No
ID
Product Name
Quantity
Transaction Type

Chapter – 6

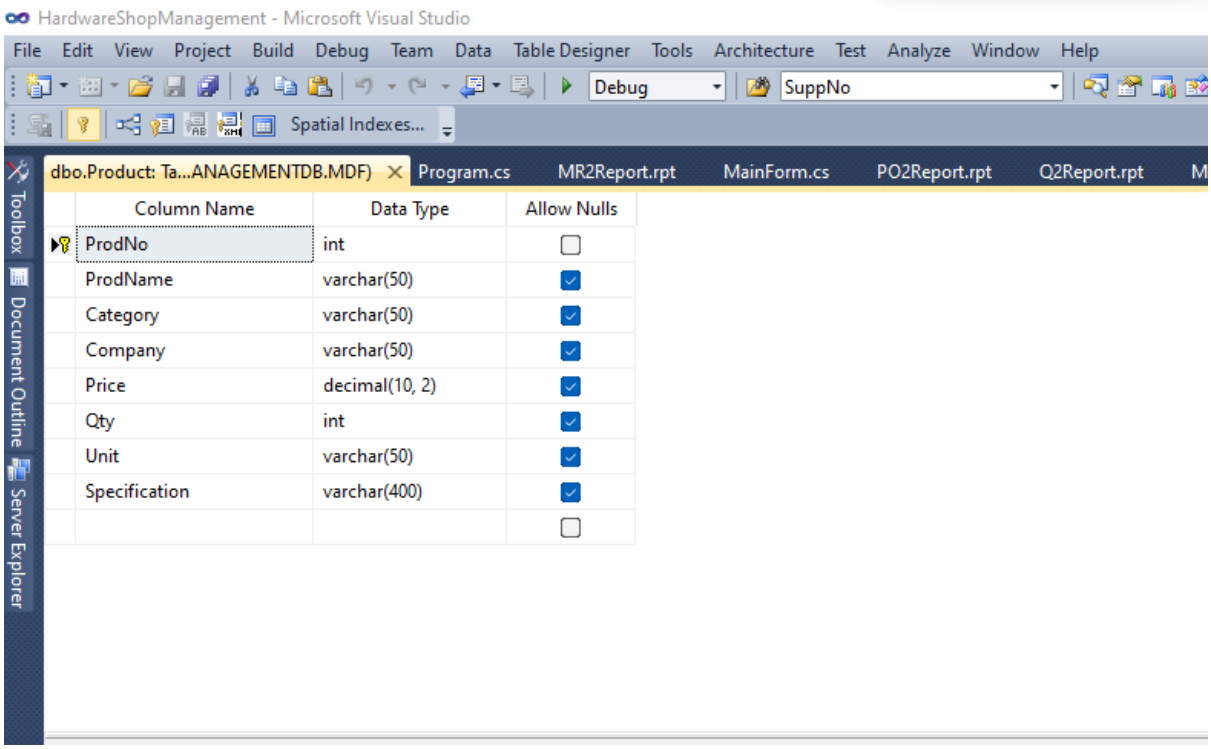
User Interface Screens

6.1 Database Design

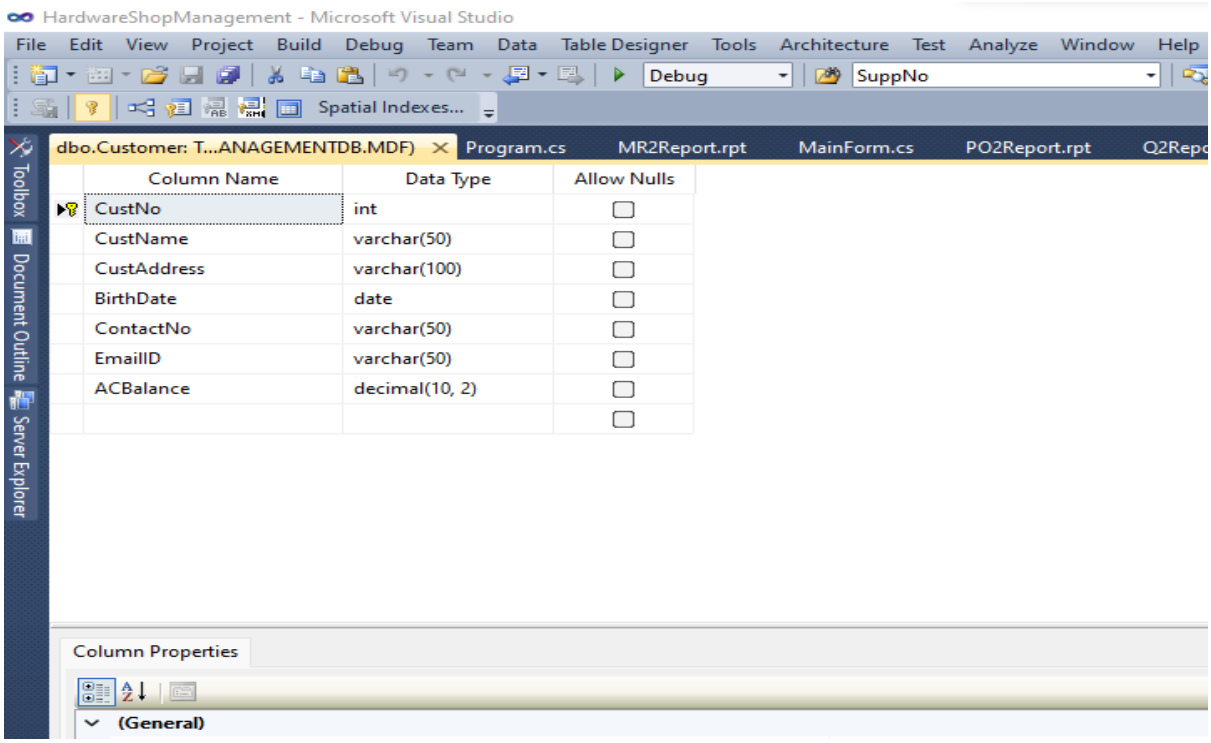
1. Login Page Table :



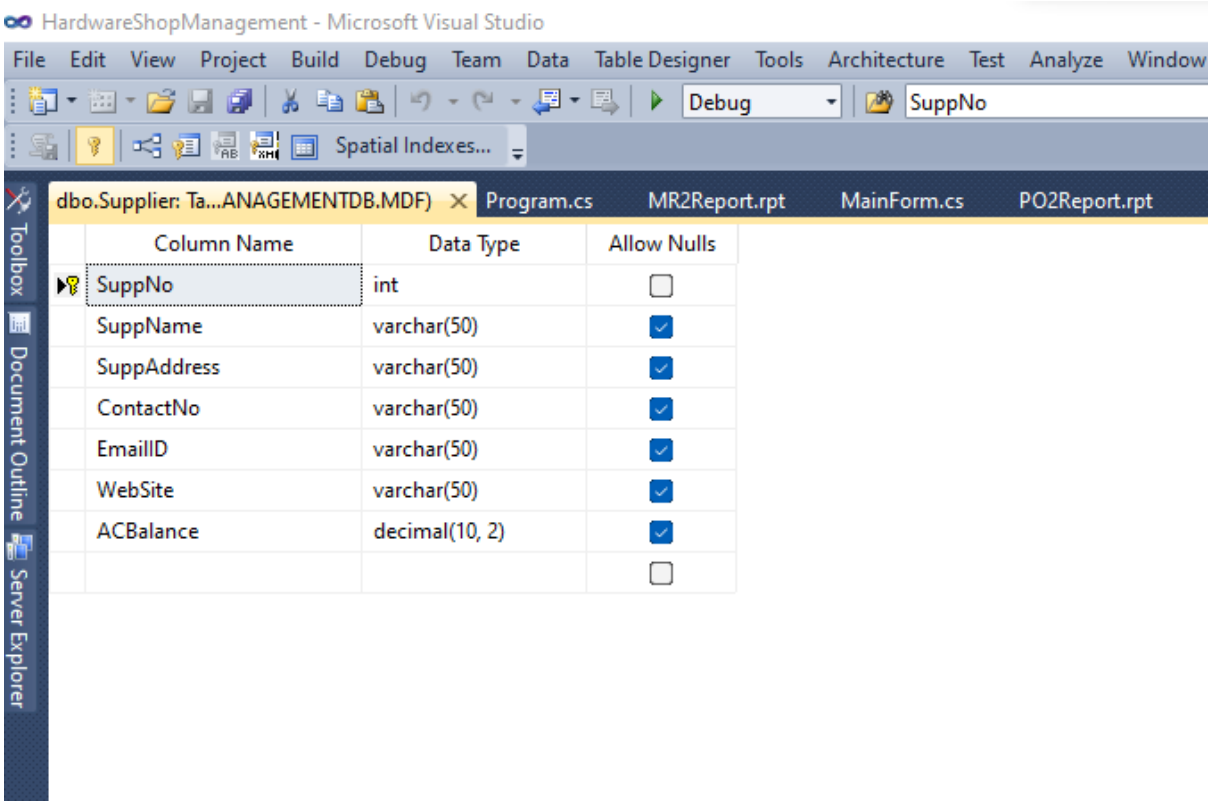
2 .Product Table :



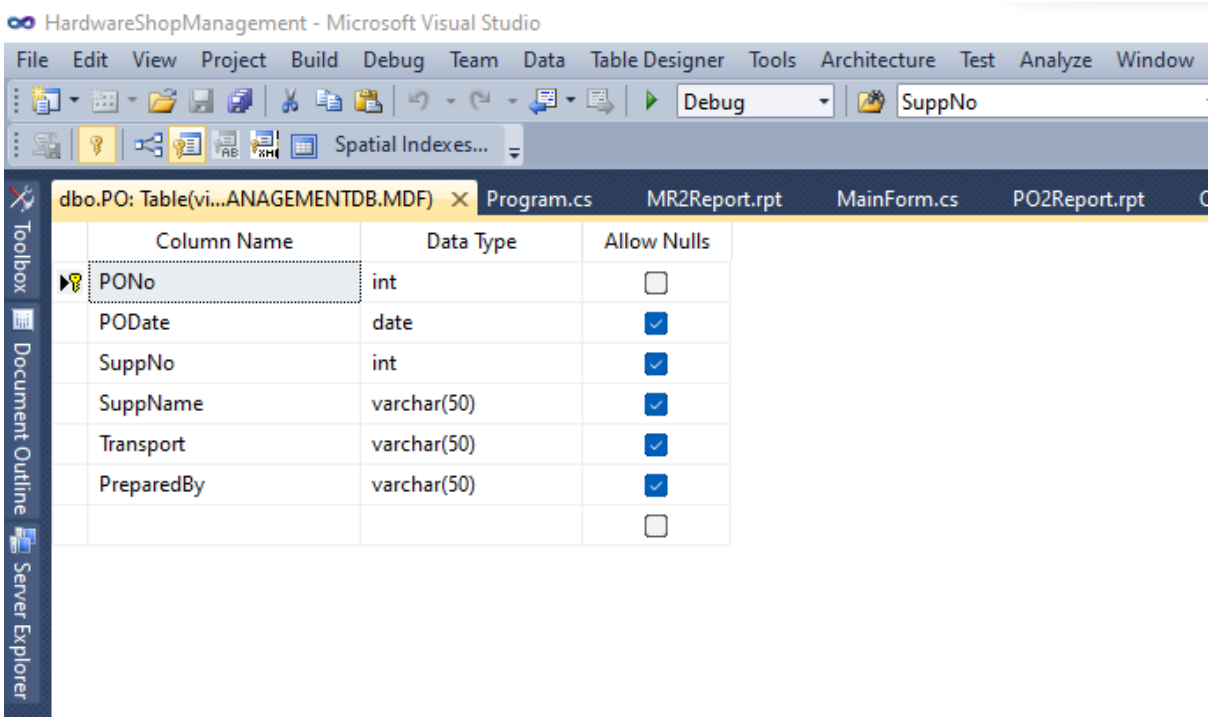
3.Customer Information Table :



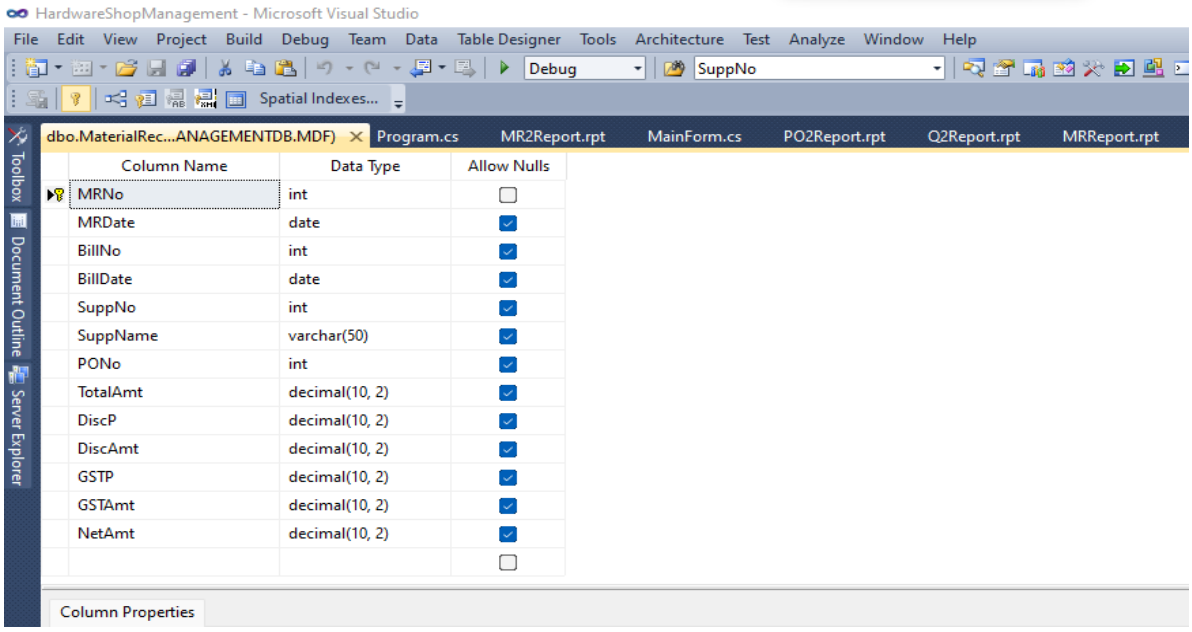
4.Supplier Information Table :



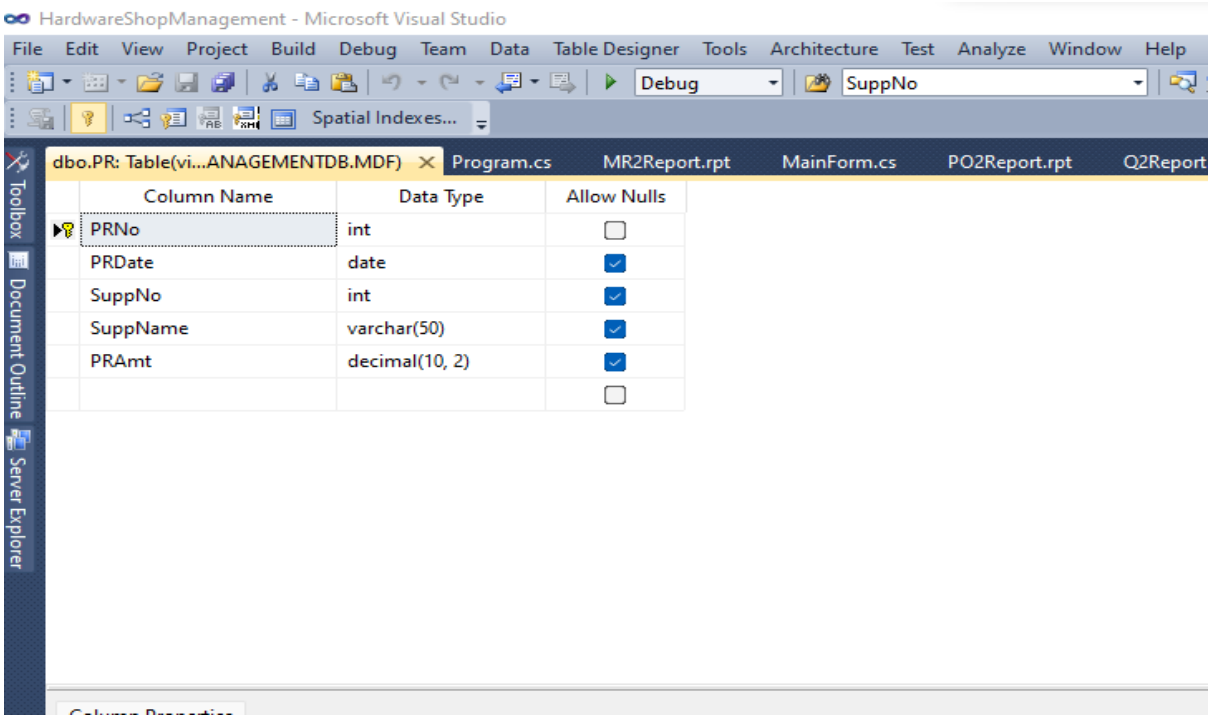
5.Purchase Order Table :



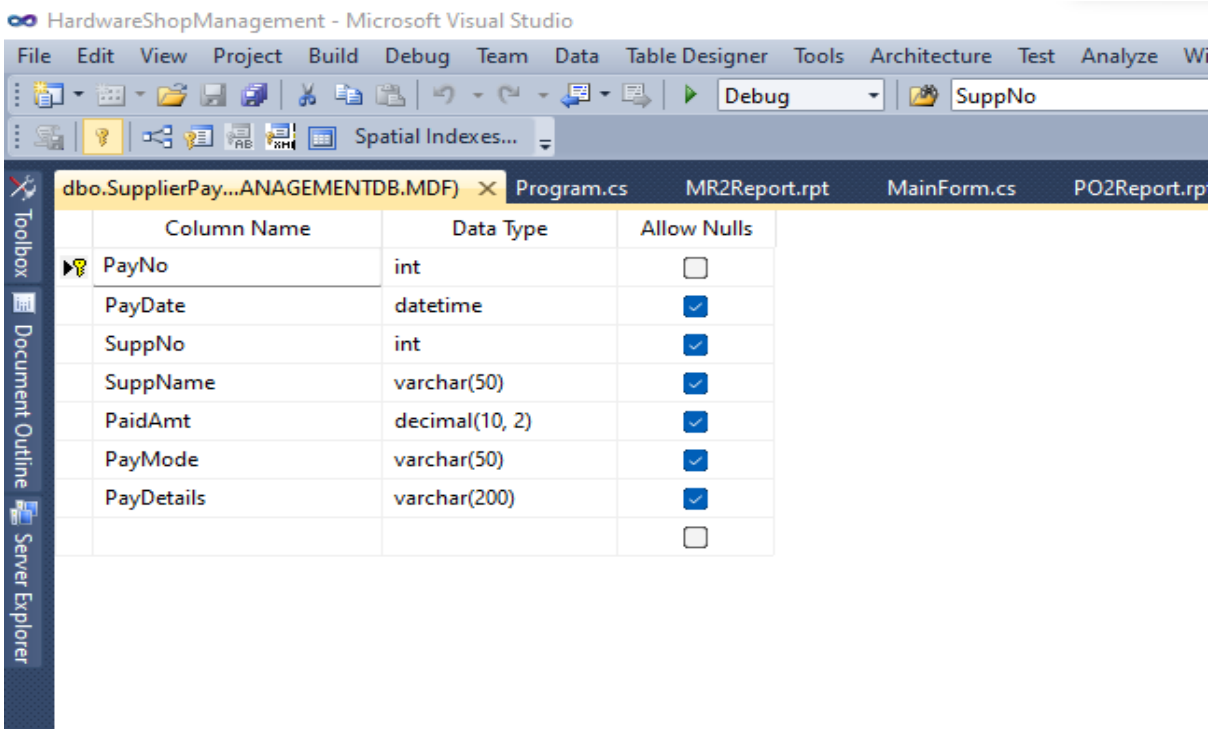
6.Material Receipt Table :



7) Purchase Return Table :

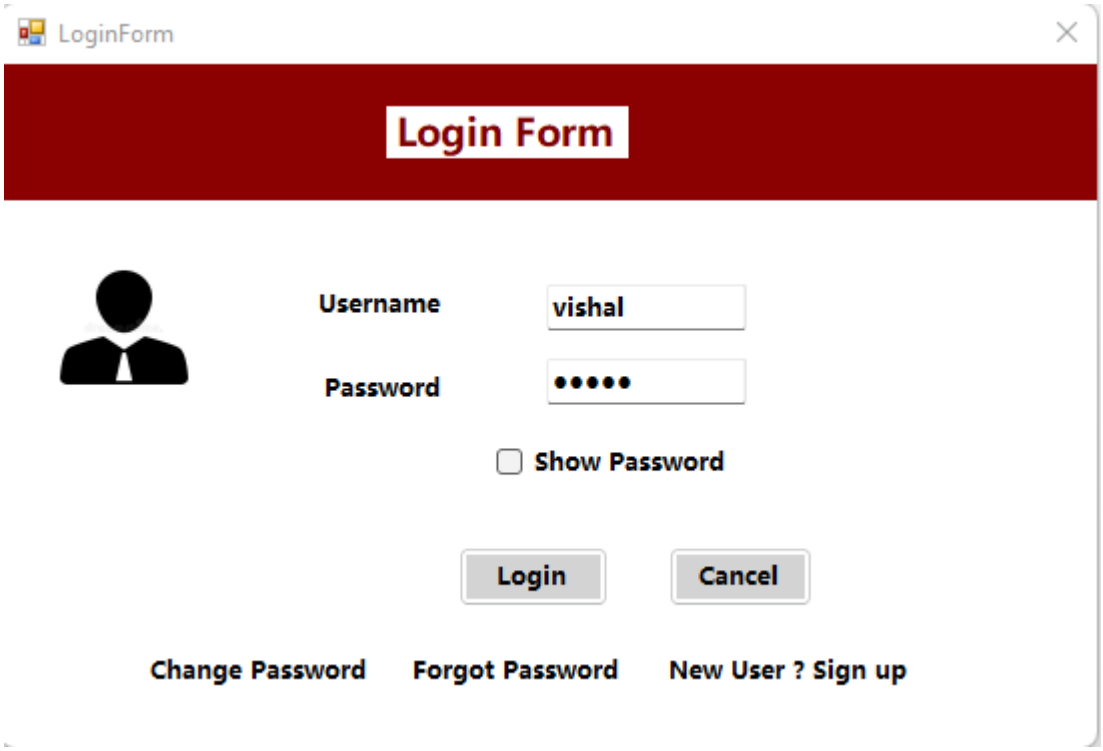


8)Supplier Payment :

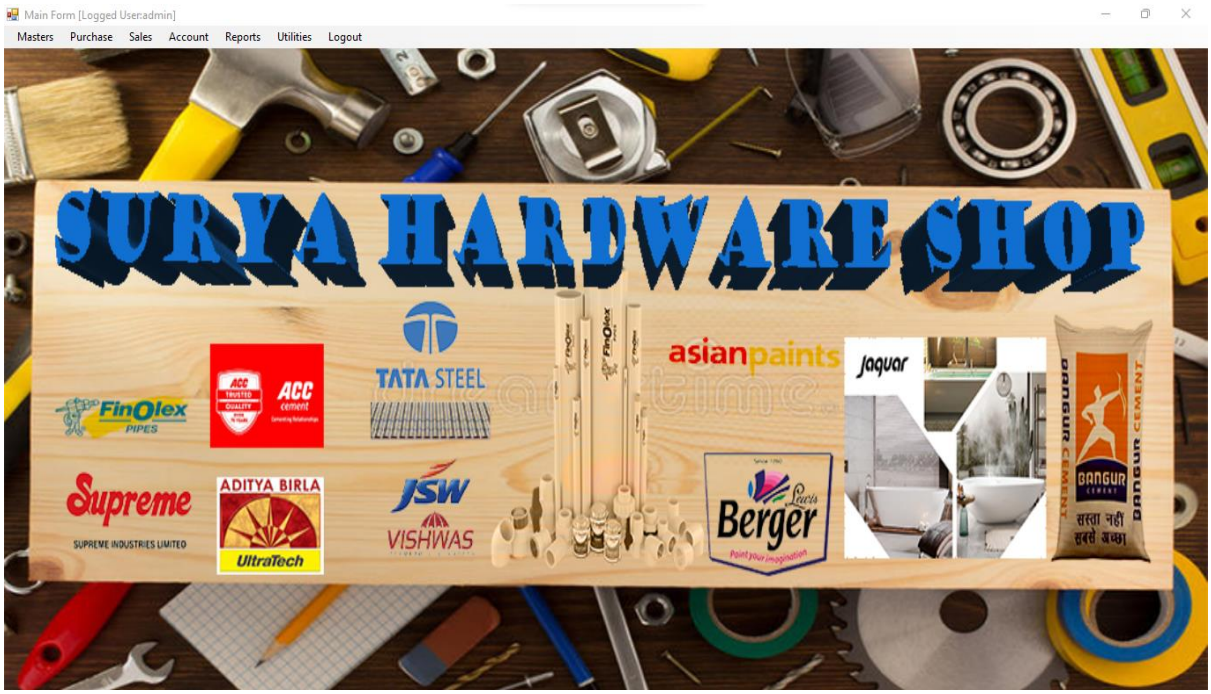


6.2 Form Design

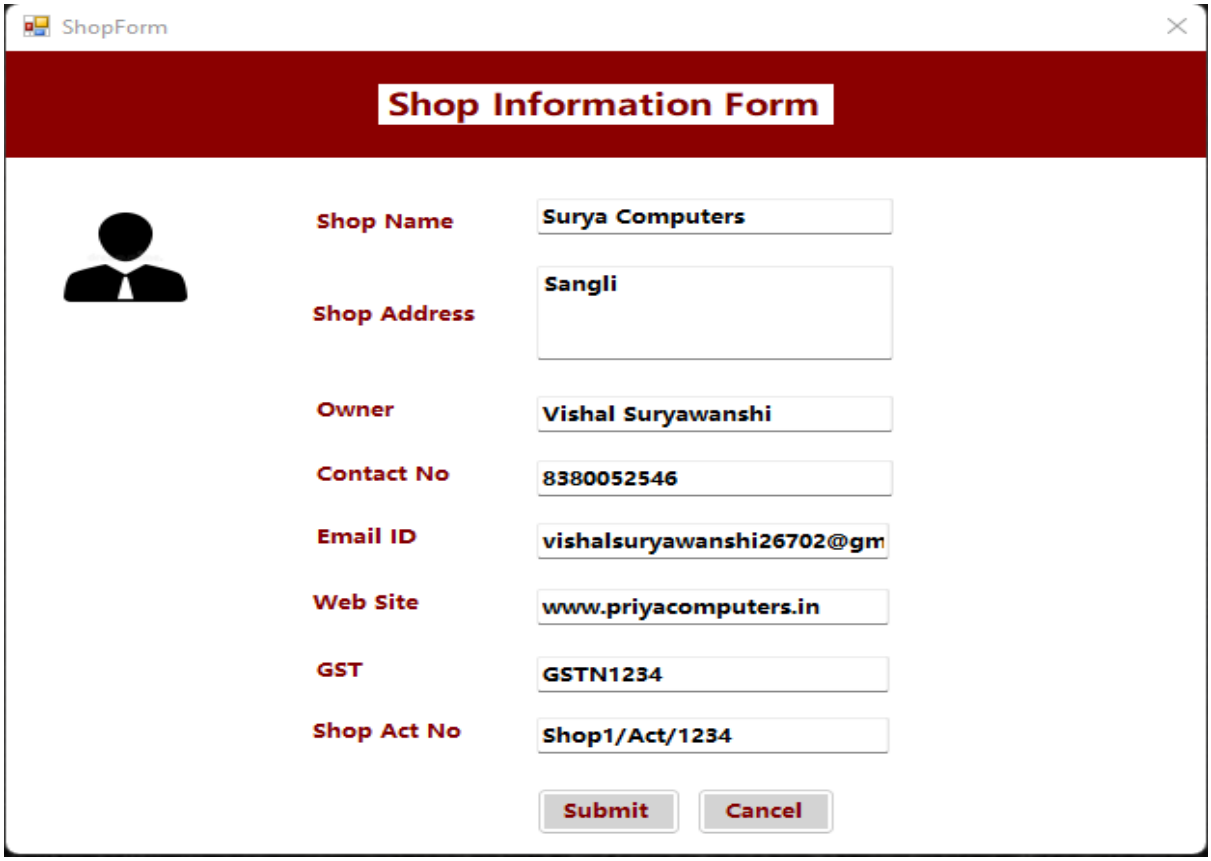
1) Login Form



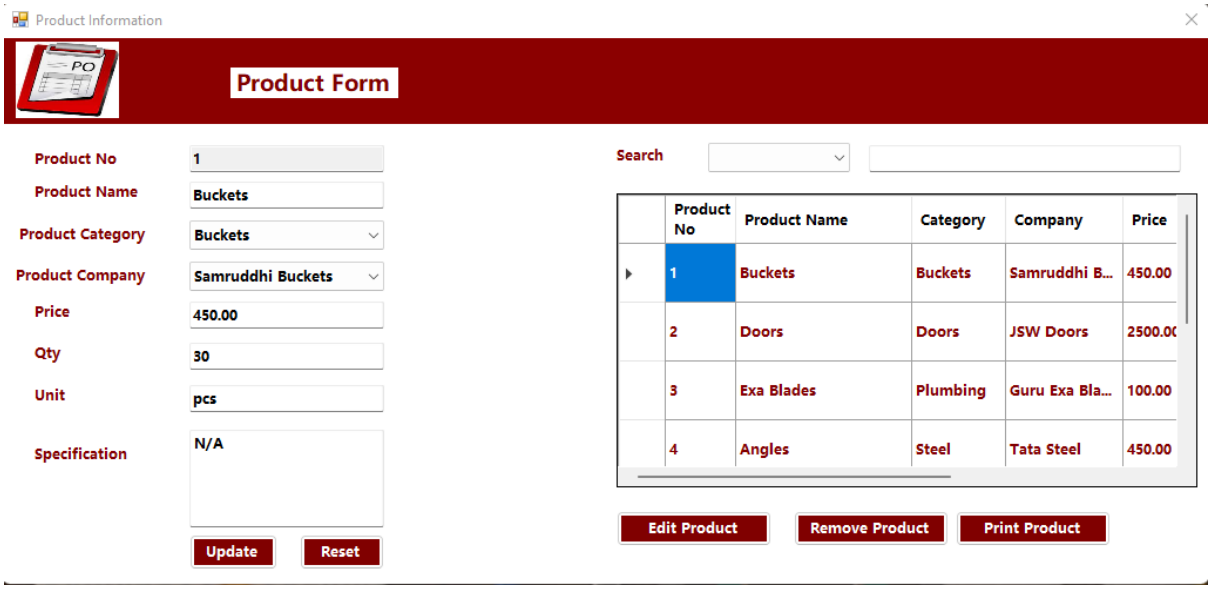
2) Main Form



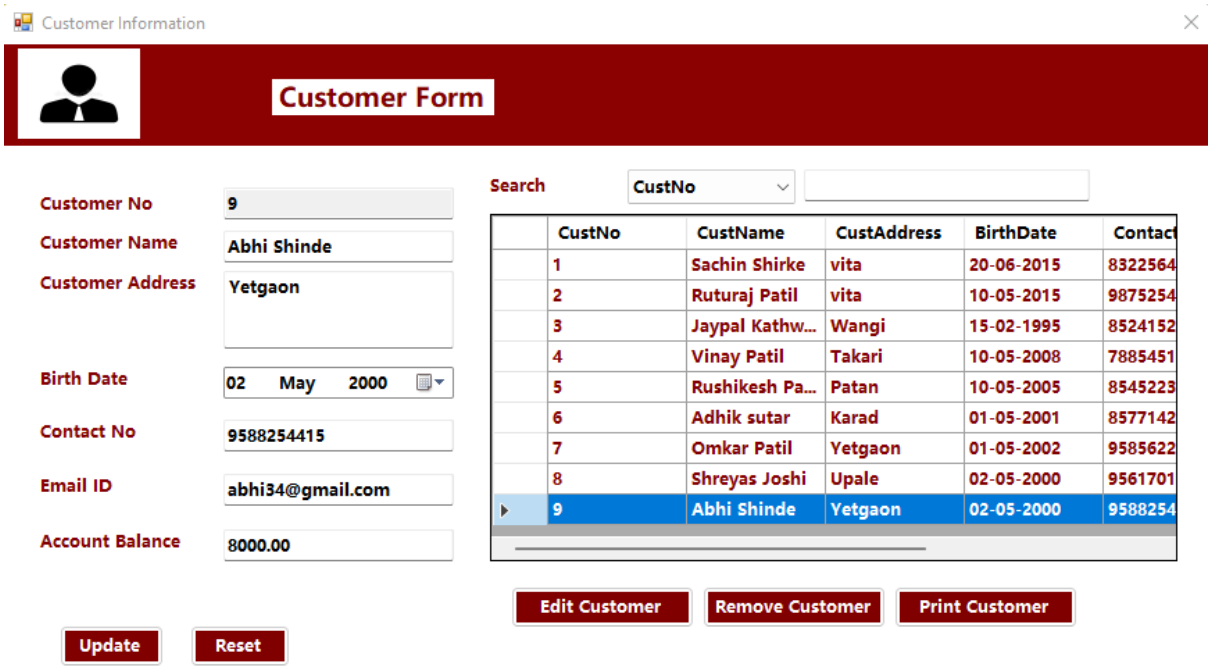
3) Shop Information



4) Product Form :



5) Customer Form



6) About Software

6.2 Coding

DB Class Code :

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Data;
using System.Data.SqlClient;
using System.Windows.Forms;
using CrystalDecisions.CrystalReports.Engine;
using System.IO;

namespace HardwareShopManagement
{
    class DBClass
    {
        SqlConnection cn;
        public void Connect()
        {
            FileInfo f = new FileInfo("../../Database/HardwareShopManagementDB.mdf");
            //MessageBox.Show(f.FullName);
            cn = new SqlConnection("server=.\\sqlexpress;AttachDBFileName="+
f.FullName+";integrated security=true;user instance=true");
            cn.Open();
        }
        public void Close()
        {
            cn.Close();
        }
        public void Execute(string sql)
        {
            Connect();
            SqlCommand cmd = new SqlCommand(sql, cn);
            cmd.ExecuteNonQuery(); //Executes Insert,Update and delete command
            Close();
        }
        public void Execute(string sql,Dictionary<string,object>dic)
        {
            Connect();
            SqlCommand cmd = new SqlCommand(sql, cn);
            foreach (string key in dic.Keys)
            {
                cmd.Parameters.AddWithValue(key, dic[key]);
            }
            cmd.ExecuteNonQuery(); //Executes Insert,Update and delete command
            Close();
        }
        public DataTable GetTable(string sql)
        {
            Connect();
            SqlDataAdapter da = new SqlDataAdapter(sql, cn);
            DataTable dt = new DataTable();
            da.Fill(dt); //executes select command via cn and fills its result in dt
            Close();
            return dt;
        }
```

```
        public DataTable GetTable(string sql,Dictionary<string,object>dic)
        {
            Connect();
            SqlCommand cmd = new SqlCommand(sql, cn);
            foreach (string key in dic.Keys)
            {
                cmd.Parameters.AddWithValue(key, dic[key]);
            }
            SqlDataAdapter da = new SqlDataAdapter();
            da.SelectCommand = cmd;
            DataTable dt = new DataTable();
            da.Fill(dt); //executes select command via cn and fills its result in dt
            Close();
            return dt;
        }
        public void FillGrid(DataGridView dg, string sql)
        {
            DataTable dt = GetTable(sql);
            dg.DataSource = dt;
        }
        public DataSet1 GetTable(string sql,String table)
        {
            Connect();
            SqlDataAdapter da = new SqlDataAdapter(sql, cn);
            DataSet1 ds=new DataSet1();
            //da.Fill(dt);
            //da.Fill(DataSet ds,String tablename)
            //executes select command via cn and fills its result in DataSet1's given
'Table'
            da.Fill(ds,table);
            Close();
            return ds;
        }
        //db.ShowReport(new CrystalReport1(),"select * from stud","Stud");
         public void ShowReport(ReportClass rpt, String sql, String table)
         {
             DataSet1 ds=GetTable(sql,table);
             rpt.SetDataSource(ds);
             ReportForm f = new ReportForm();
             f.crystalReportViewer1.ReportSource = rpt;
             f.Show();//Show Report Form
         }
         public void ShowReport(ReportClass rpt, String sql, String table,String pval)
         {
             DataSet1 ds = GetTable(sql, table);
             rpt.SetDataSource(ds);
             ReportForm f = new ReportForm();
             f.crystalReportViewer1.ReportSource = rpt;
             f.crystalReportViewer1.ReportSource = rpt;
             rpt.SetParameterValue("p1", pval);
             f.Show();//Show Report Form
         }
        //txtno.Text=db.GetID(string field)
         public string GetID(string field)
         {
             DataTable dt = GetTable("select " + field +"  from PKeys");
             return dt.Rows[0][0].ToString();
         }
         //db.GetID(string field)
         public void UpdateId(string field)
         {
             Execute("Update PKeys set " + field + "=" + field + "+1");
```

```
         }
        //db.Fillcombo(cmbcategory,"select * from
Category",CategoryName","CategoryName");
         public void FillCombo(ComboBox cmb, string sql, string displayfield, string
returnfield)
         {
             DataTable dt = GetTable(sql);
             cmb.DataSource = dt;
             cmb.DisplayMember = displayfield;
             cmb.ValueMember = returnfield;
         }
        //FillListView(listView1,"select command")
        public void FillListView(ListView listView1,string sql)
        {
            DataTable dt=GetTable(sql);
            //Clear all items in ListView
            listView1.Items.Clear();
            foreach (DataRow dr in dt.Rows)
            {
                ListViewItem lt = new ListViewItem();
                lt.Text = dr[0].ToString();
                for(int i=1;i<listView1.Columns.Count;i++)
                {
                    lt.SubItems.Add(dr[i].ToString());
                }
                listView1.Items.Add(lt);
            }
        }
    }
}
```

Login Form :

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace HardwareShopManagement
{
    public partial class LoginForm : Form
    {
         DBClass db=new DBClass();
         public LoginForm()
        {
            InitializeComponent();
        }

        private void btncancel_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnlogin_Click(object sender, EventArgs e)
        {
            string user = txtuser.Text;
            string pass = txtpass.Text;
            Dictionary<string, object> dic = new Dictionary<string, object>();
            dic.Add("@user", user);
            dic.Add("@pass", pass);
            DataTable dt = db.GetTable("select * from Login where UserName=@user and
Password=@pass", dic);
            if (dt.Rows.Count>0)
            {
                ProjectEnv.UserName = user;
                ProjectEnv.Password = pass;

                Hide();
                MainForm f = new MainForm();
                f.loginForm = this;     //Current class object
                f.Show();
            }
            else
            {
                MessageBox.Show("Login Failed....", "Invalid Login",
MessageBoxButtons.OK, MessageBoxIcon.Error);
                txtpass.Clear();
                txtpass.Focus();
            }
        }

        private void chk_CheckedChanged(object sender, EventArgs e)
        {
            if (chk.Checked)
                txtpass.UseSystemPasswordChar = false;
            else
                txtpass.UseSystemPasswordChar = true;
```

```
}

private void LoginForm_Load(object sender, EventArgs e)
{
    ValidationUtil.errorProvider1 = errorProvider1;
    ValidationUtil.ApplyRules(txtuser,"UserName",new string[]{"Empty"});
    ValidationUtil.ApplyRules(txtpass,"Password",new string[]{"Empty"});
    ValidationUtil.disableValidationOnClose(this);
}
```

Customer Form :

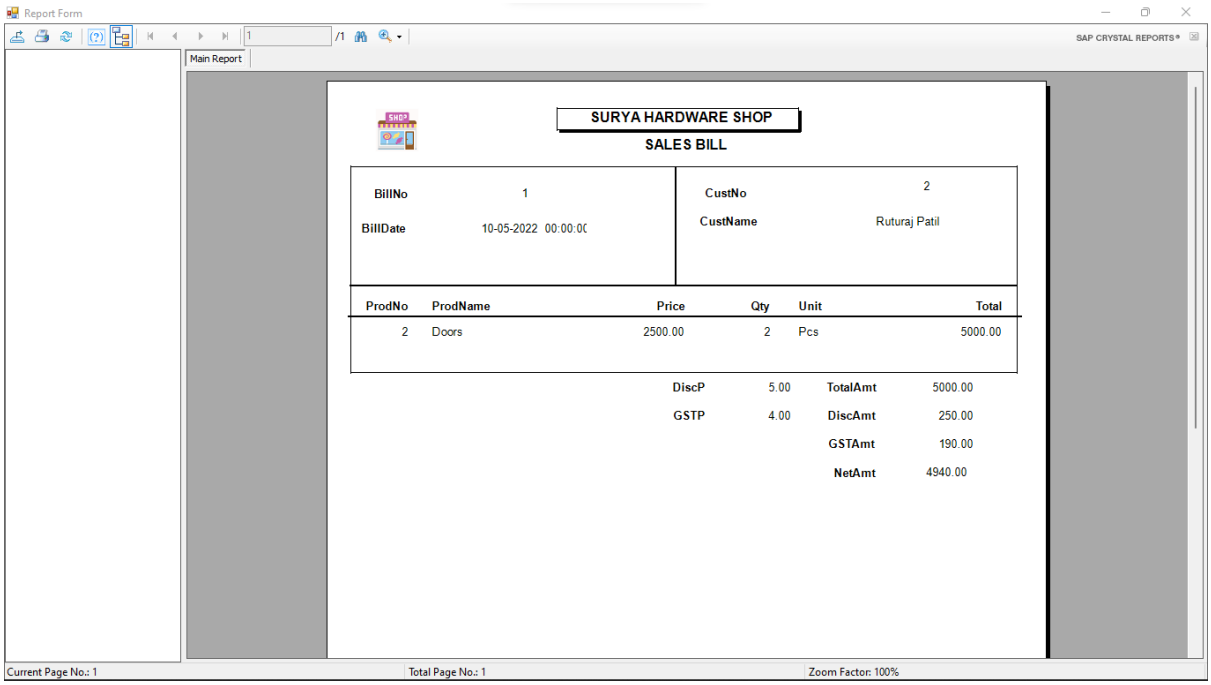
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using System.Data.SqlClient;
using HardwareShopManagement.Reports;

namespace HardwareShopManagement
{
    public partial class CustomerForm : Form
    {
         DBClass db=new DBClass();
         string oldname;
         public CustomerForm()
        {
            InitializeComponent();
        }

        private void btncancel_Click(object sender, EventArgs e)
        {
            txtno.Text=db.GetID("CustNumber");
            txtname.Clear();
            txtaddress.Clear();
            dtbdate.Value = DateTime.Now;
            txtcontact.Clear();
            txtbal.Clear();
            txtemail.Clear();
            btnsave.Text = "Save";
            txtno.Focus();
        }

        private void btnsave_Click(object sender, EventArgs e)
        {
            string no = txtno.Text;
            string name = txtname.Text;
            string address = txtaddress.Text;
            string bdate = dtbdate.Value.ToString("yyyy-MM-dd");
            string contactno = txtcontact.Text;
            string email = txtemail.Text;
            string balance = txtbal.Text;
            Dictionary<string, object> dic = new Dictionary<string, object>();
            dic.Add("@no", no);
            dic.Add("@name", name);
            dic.Add("@address", address);
            dic.Add("@bdate", bdate);
            dic.Add("@contactno", contactno);
            dic.Add("@email", email);
            dic.Add("@balance", balance);

            if (btnsave.Text == "Save")
            {
                db.Execute("Insert into Customer
values(@no,@name,@address,@bdate,@contactno,@email,@balance)", dic);
```

```
                MessageBox.Show("Product Customer Created Successfully....",
"Success", MessageBoxButtons.OK, MessageBoxIcon.Information);
                db.UpdateId("CustNumber");
            }
            else
            {

                db.Execute("Update Customer set
CustName=@name,CustAddress=@address,BirthDate=@bdate,ContactNo=@contactno,EmailID=@ema
il,ACBalance=@balance where CustNo=@no", dic);
                MessageBox.Show("Customer Updated Successfully....", "Success",
MessageBoxButtons.OK, MessageBoxIcon.Information);
            }
            db.FillGrid(dg1, "select * from Customer");
            txtname.Focus();

        }


        private void button2_Click(object sender, EventArgs e)
        {
            if (dg1.CurrentRow != null)
            {
                if(MessageBox.Show("Do you want to remove selected Customer?","Confirm
Remove",MessageBoxButtons.YesNo,MessageBoxIcon.Error)==System.Windows.Forms.DialogResu
lt.Yes)
                {
                    string no = dg1.CurrentRow.Cells[0].Value.ToString();
                    Dictionary<string, object> dic = new Dictionary<string, object>();
                    dic.Add("@no", no);
                    db.Execute("delete from Customer where CustNo=@no", dic);
                    db.FillGrid(dg1, "select * from Customer");
                    db.UpdateId("CustNumber");
                }
            }
        }


        private void btnedit_Click_1(object sender, EventArgs e)
        {
            if (dg1.CurrentRow != null)
            {
                string no = dg1.CurrentRow.Cells[0].Value.ToString();
                string name = dg1.CurrentRow.Cells[1].Value.ToString();
                string address = dg1.CurrentRow.Cells[2].Value.ToString();
                string bdate = dg1.CurrentRow.Cells[3].Value.ToString();
                string contactno = dg1.CurrentRow.Cells[4].Value.ToString();
                string email = dg1.CurrentRow.Cells[5].Value.ToString();
                string bal = dg1.CurrentRow.Cells[6].Value.ToString();
                txtno.Text = no;
                txtname.Text = name;
                txtaddress.Text = address;
                dtbdate.Value = DateTime.Parse(bdate);
                txtcontact.Text= contactno;
                txtemail.Text = email;
                txtbal.Text = bal;
                btnsave.Text = "Update";
                txtname.Focus();
            }
            else
            {
```

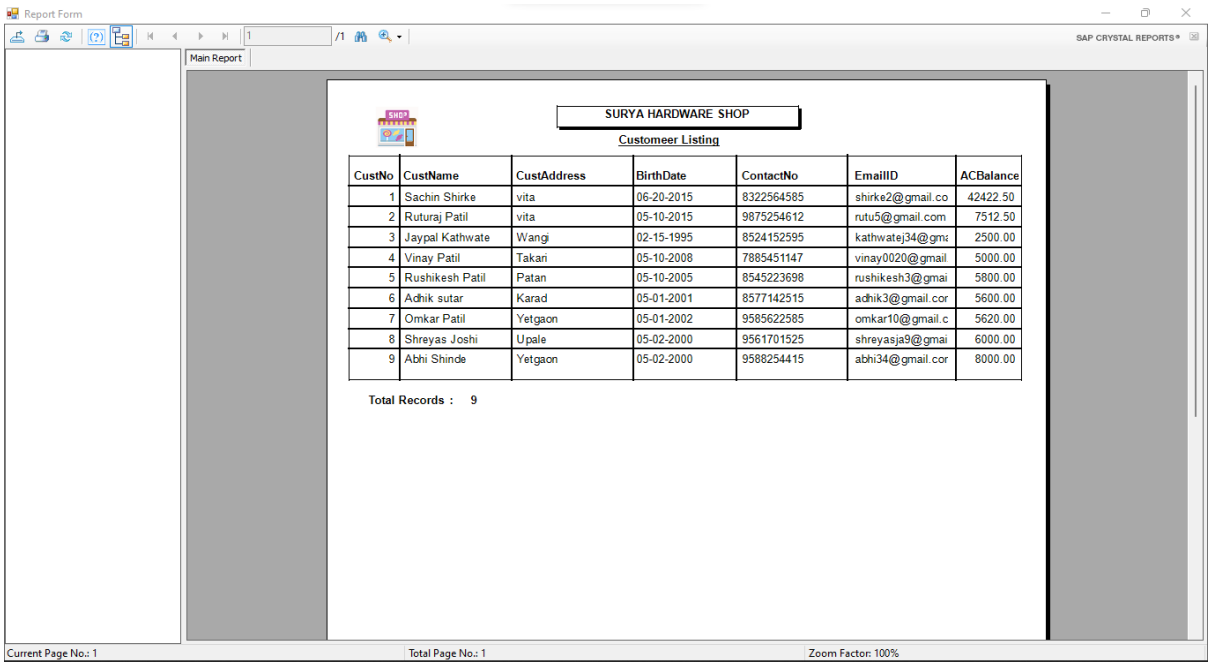
```
                MessageBox.Show("Please select row to edit", "Select Row",
MessageBoxButtons.OK, MessageBoxIcon.Information);
            }
        }

        private void CustomerForm_Load_1(object sender, EventArgs e)
        {
            db.FillGrid(dg1, "select * from Customer");
            txtno.Text = db.GetID("CustNumber");
            txtname.Focus();

            db.Close();

            ValidationUtil.errorProvider1 = errorProvider1;
            ValidationUtil.ApplyRules(txtno, "CustNo", new string[] { "Empty" });
            ValidationUtil.ApplyRules(txtname, "CustName", new string[] { "Empty" });
            ValidationUtil.ApplyRules(txtaddress, "CustAdress", new string[] { "Empty"
});
            ValidationUtil.CheckDateBeforeCombo(dtbdate, "BirthDate", 5);
            ValidationUtil.ApplyRules(txtcontact, "ContactNo", new string[] { "Empty"
});
            ValidationUtil.ApplyRules(txtemail, "EmailID", new string[] { "Empty" });
            ValidationUtil.ApplyRules(txtbal, "ACBalance", new string[] { "Empty" });

            //ValidationUtil.CheckCombo(

        }


        private void txtsearch_TextChanged(object sender, EventArgs e)
        {
            db.FillGrid(dg1, "Select * from Customer where " + comboBox1.Text + "
like'%" + txtsearch.Text + "%'");
        }

        private void btnprint_Click(object sender, EventArgs e)
        {
            db.ShowReport(new CustomerReport(), "select * from Customer", "Customer");
        }
    }
}
```

6.3 Report Design

1) Sales Bill Register Report :

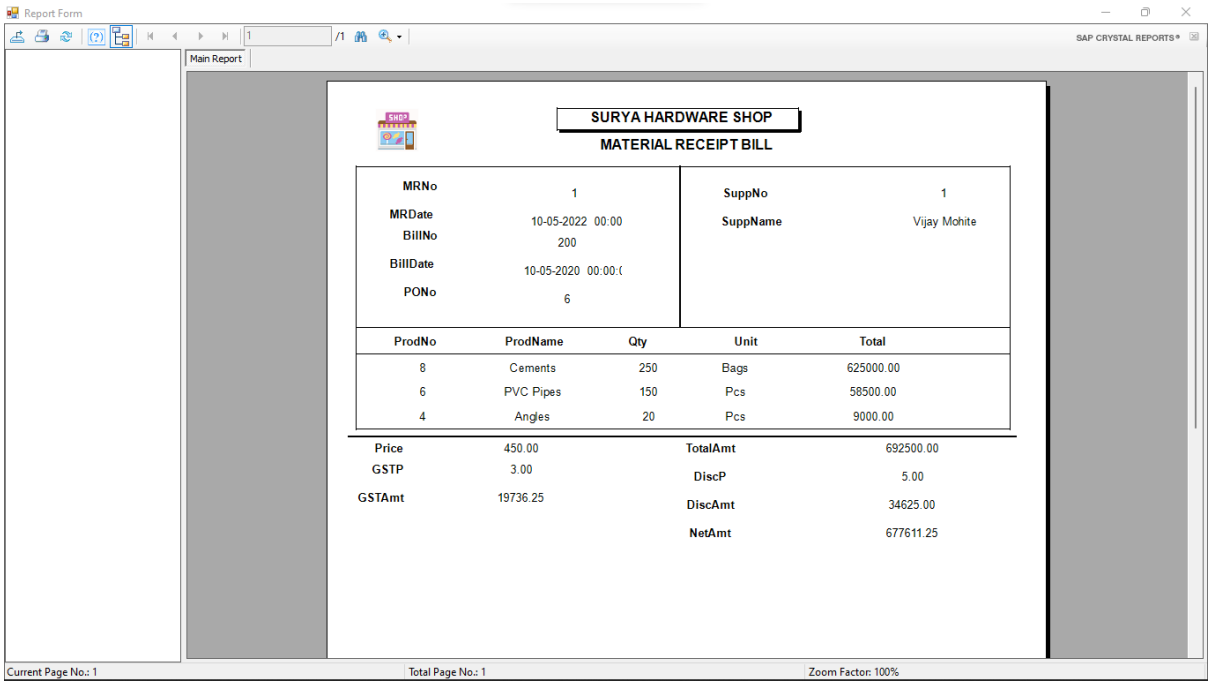


2)Customer Details :

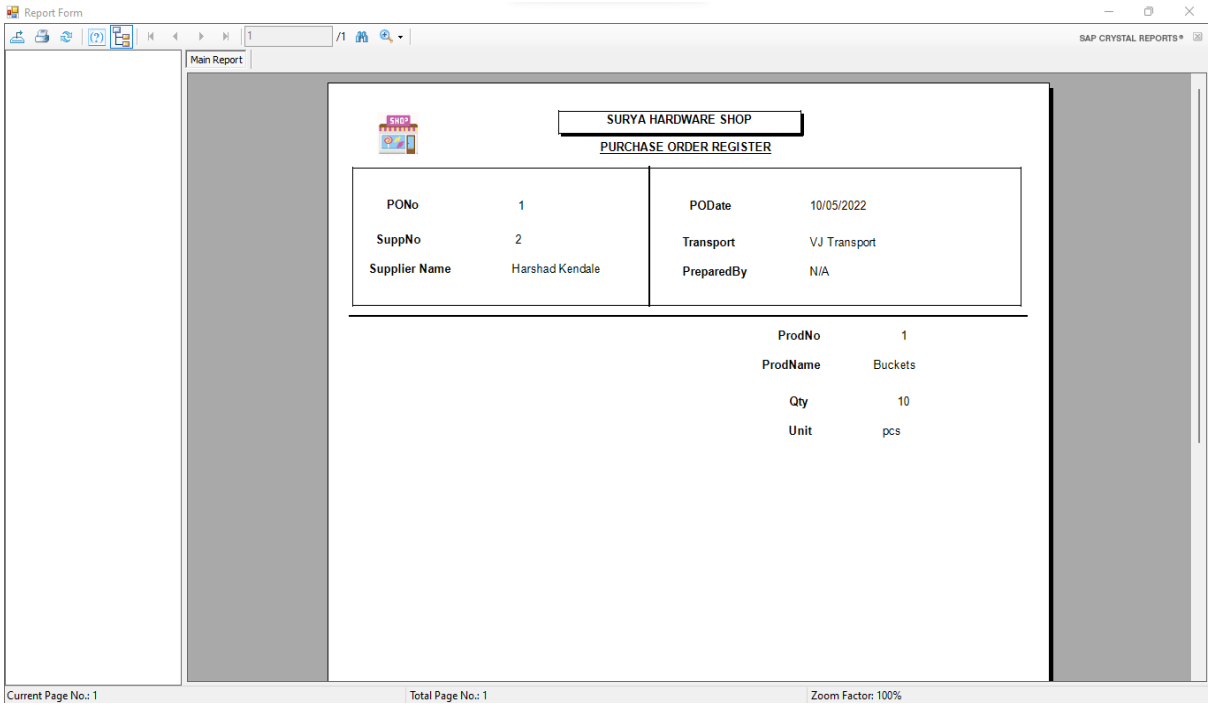


CustNo	CustName	CustAddress	BirthDate	ContactNo	EmailID	ACBalance
1	Sachin Shirke	vita	06-20-2015	8322564585	shirke2@gmail.co	42422.50
2	Ruturaj Patil	vita	05-10-2015	9875254612	rutu5@gmail.com	7512.50
3	Jaypal Kathwate	Wangi	02-15-1995	8524152595	kathwatej34@gma	2500.00
4	Vinay Patil	Takari	05-10-2008	7885451147	vinay0020@gmail	5000.00
5	Rushikesh Patil	Patan	05-10-2005	8545223698	rushikesh3@gmai	5800.00
6	Adhik sutar	Karad	05-01-2001	8577142515	adhik3@gmail.cor	5600.00
7	Omkar Patil	Yetgaon	05-01-2002	9585622585	omkar10@gmail.c	5620.00
8	Shreyas Joshi	Upale	05-02-2000	9561701525	shreyasja9@gmai	6000.00
9	Abhi Shinde	Yetgaon	05-02-2000	9588254415	abhi34@gmail.cor	8000.00

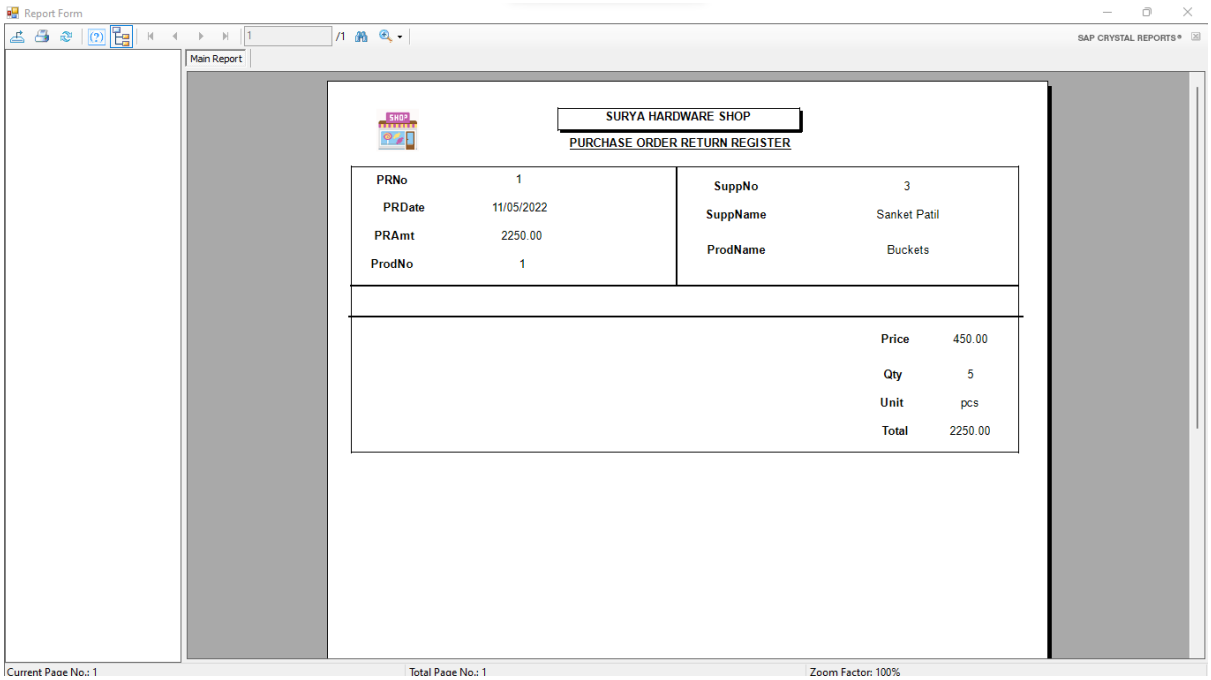
3)Material Bill Register Report :



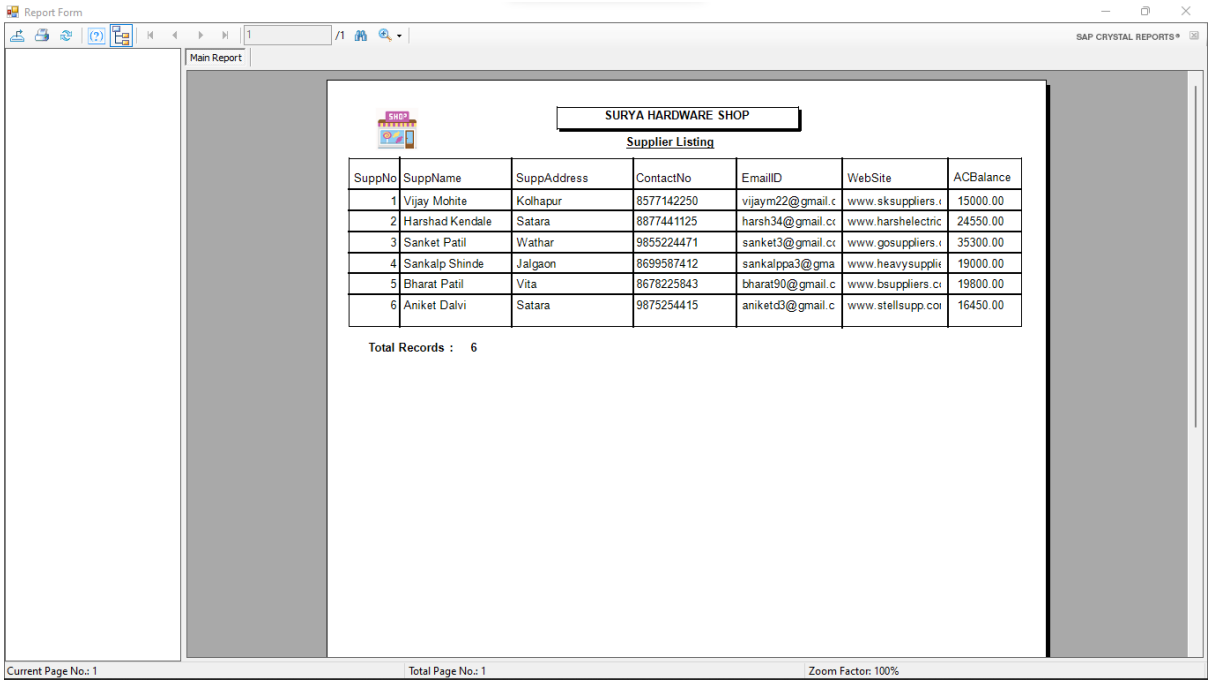
4) Purchase Order Register Report :



5) Purchase Returns Report :



6) Supplier Listing Report :



❖ Crystal Report Code:

1) Customer Report :

```
2) //------------------------------------------------------------------------------
   ----
3) // <auto-generated>
4) //     This code was generated by a tool.
5) //     Runtime Version:4.0.30319.42000
6) //
7) //     Changes to this file may cause incorrect behavior and will be lost if
8) //     the code is regenerated.
9) // </auto-generated>
10)//------------------------------------------------------------------------------
   ----
11)
12)namespace HardwareShopManagement.Reports {
13)    using System;
14)    using System.ComponentModel;
15)    using CrystalDecisions.Shared;
16)    using CrystalDecisions.ReportSource;
17)    using CrystalDecisions.CrystalReports.Engine;
18)
19)
20)    public class CustomerReport : ReportClass {
21)
22)        public CustomerReport() {
23)        }
24)
25)        public override string ResourceName {
26)            get {
27)                return "CustomerReport.rpt";
28)            }
29)            set {
30)                // Do nothing
31)            }
32)        }
33)
34)        public override bool NewGenerator {
35)            get {
36)                return true;
37)            }
38)            set {
39)                // Do nothing
40)            }
41)        }
42)
43)        public override string FullResourceName {
44)            get {
45)                return "HardwareShopManagement.Reports.CustomerReport.rpt";
46)            }
47)            set {
48)                // Do nothing
49)            }
50)        }
51)
52)        [Browsable(false)]
```

```
53)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
54)         public CrystalDecisions.CrystalReports.Engine.Section Section1 {
55)             get {
56)                 return this.ReportDefinition.Sections[0];
57)             }
58)         }
59)
60)         [Browsable(false)]
61)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
62)         public CrystalDecisions.CrystalReports.Engine.Section Section2 {
63)             get {
64)                 return this.ReportDefinition.Sections[1];
65)             }
66)         }
67)
68)         [Browsable(false)]
69)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
70)         public CrystalDecisions.CrystalReports.Engine.Section Section3 {
71)             get {
72)                 return this.ReportDefinition.Sections[2];
73)             }
74)         }
75)
76)         [Browsable(false)]
77)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
78)         public CrystalDecisions.CrystalReports.Engine.Section Section4 {
79)             get {
80)                 return this.ReportDefinition.Sections[3];
81)             }
82)         }
83)
84)         [Browsable(false)]
85)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
86)         public CrystalDecisions.CrystalReports.Engine.Section Section5 {
87)             get {
88)                 return this.ReportDefinition.Sections[4];
89)             }
90)         }
91)     }
92)
93)
    [System.Drawing.ToolboxBitmapAttribute(typeof(CrystalDecisions.Shared.Export
    Options), "report.bmp")]
94)     public class CachedCustomerReport : Component, ICachedReport {
95)
96)         public CachedCustomerReport() {
97)         }
98)
99)         [Browsable(false)]
100)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
```

```
101)           public virtual bool IsCacheable {
102)               get {
103)                   return true;
104)               }
105)               set {
106)                   //
107)               }
108)           }
109)
110)           [Browsable(false)]
111)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
112)           public virtual bool ShareDBLogonInfo {
113)               get {
114)                   return false;
115)               }
116)               set {
117)                   //
118)               }
119)           }
120)
121)           [Browsable(false)]
122)
    [DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSeri
    alizationVisibility.Hidden)]
123)           public virtual System.TimeSpan CacheTimeOut {
124)               get {
125)                   return CachedReportConstants.DEFAULT_TIMEOUT;
126)               }
127)               set {
128)                   //
129)               }
130)           }
131)
132)           public virtual
    CrystalDecisions.CrystalReports.Engine.ReportDocument CreateReport() {
133)               CustomerReport rpt = new CustomerReport();
134)               rpt.Site = this.Site;
135)               return rpt;
136)           }
137)
138)           public virtual string GetCustomizedCacheKey(RequestContext
    request) {
139)               String key = null;
140)               // // The following is the code used to generate the default
141)               // // cache key for caching report jobs in the ASP.NET
    Cache.
142)               // // Feel free to modify this code to suit your needs.
143)               // // Returning key == null causes the default cache key to
144)               // // be generated.
145)               //
146)               // key = RequestContext.BuildCompleteCacheKey(
147)               //     request,
148)               //     null,       // sReportFilename
149)               //     this.GetType(),
150)               //     this.ShareDBLogonInfo );
151)               return key;
152)           }
153)       }
154)   }
155)
```

2)Supplier Crystal Form Code :

```
//------------------------------------------------------------------------------
// <auto-generated>
//     This code was generated by a tool.
//     Runtime Version:4.0.30319.42000
//
//     Changes to this file may cause incorrect behavior and will be lost if
//     the code is regenerated.
// </auto-generated>
//------------------------------------------------------------------------------

namespace HardwareShopManagement.Reports {
    using System;
    using System.ComponentModel;
    using CrystalDecisions.Shared;
    using CrystalDecisions.ReportSource;
    using CrystalDecisions.CrystalReports.Engine;


    public class SupplierReport : ReportClass {

        public SupplierReport() {
        }

        public override string ResourceName {
            get {
                return "SupplierReport.rpt";
            }
            set {
                // Do nothing
            }
        }

        public override bool NewGenerator {
            get {
                return true;
            }
            set {
                // Do nothing
            }
        }

        public override string FullResourceName {
            get {
                return "HardwareShopManagement.Reports.SupplierReport.rpt";
            }
            set {
                // Do nothing
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section1 {
            get {
                return this.ReportDefinition.Sections[0];
            }
```

```
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section2 {
            get {
                return this.ReportDefinition.Sections[1];
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section3 {
            get {
                return this.ReportDefinition.Sections[2];
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section4 {
            get {
                return this.ReportDefinition.Sections[3];
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section5 {
            get {
                return this.ReportDefinition.Sections[4];
            }
        }
    }


[System.Drawing.ToolboxBitmapAttribute(typeof(CrystalDecisions.Shared.ExportOptions),
"report.bmp")]
    public class CachedSupplierReport : Component, ICachedReport {

        public CachedSupplierReport() {
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public virtual bool IsCacheable {
            get {
                return true;
            }
            set {
                //
            }
```

```
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public virtual bool ShareDBLogonInfo {
            get {
                return false;
            }
            set {
                //
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public virtual System.TimeSpan CacheTimeOut {
            get {
                return CachedReportConstants.DEFAULT_TIMEOUT;
            }
            set {
                //
            }
        }

        public virtual CrystalDecisions.CrystalReports.Engine.ReportDocument
CreateReport() {
            SupplierReport rpt = new SupplierReport();
            rpt.Site = this.Site;
            return rpt;
        }

        public virtual string GetCustomizedCacheKey(RequestContext request) {
            String key = null;
            // // The following is the code used to generate the default
            // // cache key for caching report jobs in the ASP.NET Cache.
            // // Feel free to modify this code to suit your needs.
            // // Returning key == null causes the default cache key to
            // // be generated.
            //
            // key = RequestContext.BuildCompleteCacheKey(
            //     request,
            //     null,       // sReportFilename
            //     this.GetType(),
            //     this.ShareDBLogonInfo );
            return key;
        }
    }
}
```

3)Material Receipt Crystal Form Code :

```
//------------------------------------------------------------------------------
// <auto-generated>
//     This code was generated by a tool.
//     Runtime Version:4.0.30319.42000
//
//     Changes to this file may cause incorrect behavior and will be lost if
//     the code is regenerated.
// </auto-generated>
//------------------------------------------------------------------------------

namespace HardwareShopManagement.Reports {
    using System;
    using System.ComponentModel;
    using CrystalDecisions.Shared;
    using CrystalDecisions.ReportSource;
    using CrystalDecisions.CrystalReports.Engine;


    public class MRReport : ReportClass {

        public MRReport() {
        }

        public override string ResourceName {
            get {
                return "MRReport.rpt";
            }
            set {
                // Do nothing
            }
        }

        public override bool NewGenerator {
            get {
                return true;
            }
            set {
                // Do nothing
            }
        }

        public override string FullResourceName {
            get {
                return "HardwareShopManagement.Reports.MRReport.rpt";
            }
            set {
                // Do nothing
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section1 {
            get {
                return this.ReportDefinition.Sections[0];
            }
```

```
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section2 {
            get {
                return this.ReportDefinition.Sections[1];
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section3 {
            get {
                return this.ReportDefinition.Sections[2];
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section4 {
            get {
                return this.ReportDefinition.Sections[3];
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public CrystalDecisions.CrystalReports.Engine.Section Section5 {
            get {
                return this.ReportDefinition.Sections[4];
            }
        }
    }


[System.Drawing.ToolboxBitmapAttribute(typeof(CrystalDecisions.Shared.ExportOptions),
"report.bmp")]
    public class CachedMRReport : Component, ICachedReport {

        public CachedMRReport() {
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public virtual bool IsCacheable {
            get {
                return true;
            }
            set {
                //
            }
```

```
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public virtual bool ShareDBLogonInfo {
            get {
                return false;
            }
            set {
                //
            }
        }

        [Browsable(false)]

[DesignerSerializationVisibilityAttribute(System.ComponentModel.DesignerSerializationV
isibility.Hidden)]
        public virtual System.TimeSpan CacheTimeOut {
            get {
                return CachedReportConstants.DEFAULT_TIMEOUT;
            }
            set {
                //
            }
        }

        public virtual CrystalDecisions.CrystalReports.Engine.ReportDocument
CreateReport() {
            MRReport rpt = new MRReport();
            rpt.Site = this.Site;
            return rpt;
        }

        public virtual string GetCustomizedCacheKey(RequestContext request) {
            String key = null;
            // // The following is the code used to generate the default
            // // cache key for caching report jobs in the ASP.NET Cache.
            // // Feel free to modify this code to suit your needs.
            // // Returning key == null causes the default cache key to
            // // be generated.
            //
            // key = RequestContext.BuildCompleteCacheKey(
            //     request,
            //     null,       // sReportFilename
            //     this.GetType(),
            //     this.ShareDBLogonInfo );
            return key;
        }
    }
}
```

Chapter – 07

Advantages Of System

❖ Advantages of system :

- Proposed system requires less man power.
- Speed of computer is high so it can perform operation fastly.
- Results are more accurate and automatic calculated.
- Storage capacity is high.
- Operation on data can be done quickly as per requirement.
- This system also use to current and quick.
- There is no loss data.
- Using computer addition, modification, view, deletion, of record is quickly possible.
- The main objective is to provide security, authority conclusion and further privacy and also is any unauthorized person cannot destroy or get information.
- Full support for object oriented programming.
- Structured error handling capabilities.

Chapter – 08

Limitation Of System

❖ Limitation of System :

1. This system is only supported by Microsoft visual studio software.
2. It is single user system.

Chapter – 09

Conclusion

❖ Conclusion :

The system is developed by C# it is menu driven so very easy to handle and user can operate the system by using menus and submenus.

Most of work in calculation is reduced .This is use full for the total management of events. We can take decision about event management by considering all the forms and reports. It gives following conclusions.

1. System is mainly established for storage of data and processing of that data.
2. The list space utilization and time saving is main target.
3. This system is very quick in action and required less time for processing .

Chapter – 10

Future Enhancement

❖ Future Enhancement :

1. In future try to go ERP (Enterprise Recourse Planning) System.

2. If there is any planning to operate on software there will be help provided to overcome the problems.

3. It is not sure but future it will be developed for multi-user purpose.

4. We will also try to generate the reports supporting to managerial decision making system.

Chapter – 11

Bibliography

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