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Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology & Engineering
M.Tech (Software Engineering) FALL -2018
SWE 1014 : Enterprise Resource Planning
Course Project- Review –III

TEAM NAME : TEAM PLANNERS

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Project Title : THE CLOTH SHOP MANAGEMENT SYSTEM

. Introduction

1.1 Background

The Cloth shop management system application is developed for managing the textile shop. The idea of textile shop development is how to manage the textile shop in a good manner or we can say managing the textile shop well from which people can get profit or just stay out from the difficulties, how the things is proper in the shop, what is the input in the shop and what is the output how to track the goods are available there.All this is auto track by the application from which there will be no any difficulties facing by the management after all there are certain report generation based on the shop daily turnover, monthly turnover etc

Maintaining paper billing is difficult sometimes leads to calculation error .. In Electronic Billing there will be no calculation errors and the speed is three times greater than manual billing ,i.e we can bill more number of bills at a same time.

1.2 Problem Statement

Manual Billing leads to calculation errors, sometimes owner may so some fake documents to government to eliminate tax, sometimes we will enter data wrongly. Though the calculation and data's are correct the process takes more time to complete one bill. Manual bill needs more man power. The Main objective is to create billing system for customer that makes easy for the seller. Because shopkeeper should create bills using papers and it is difficult for maintaining paper records. If customer wants to buy the same product which is brought before, it cannot be done without the bill. Customer may also lost the bill.

1.3 Importance

- For manage a shop which has more number of customer with manual bill is not possible. Some customers may be dissatisfied for standing more time for the bill.
- Retrieving the previous bill , which can be use again if the customer is willing to buy the same product.
- All the data's can be stored will less storage.
- Shop Users will add by shop admin only.

2. Overview and Planning

2.1 Proposed System Overview

In the existing ERP Software we can bill the products by entering the product hint or product number. After entering the product in the Software the products will be displayed in the screen. The total amount will be generated automatically by the system and will be displayed in the screen itself. In some Software the amount given by the system will be entered and the system will give the remaining amount that has to be return to the Customer.

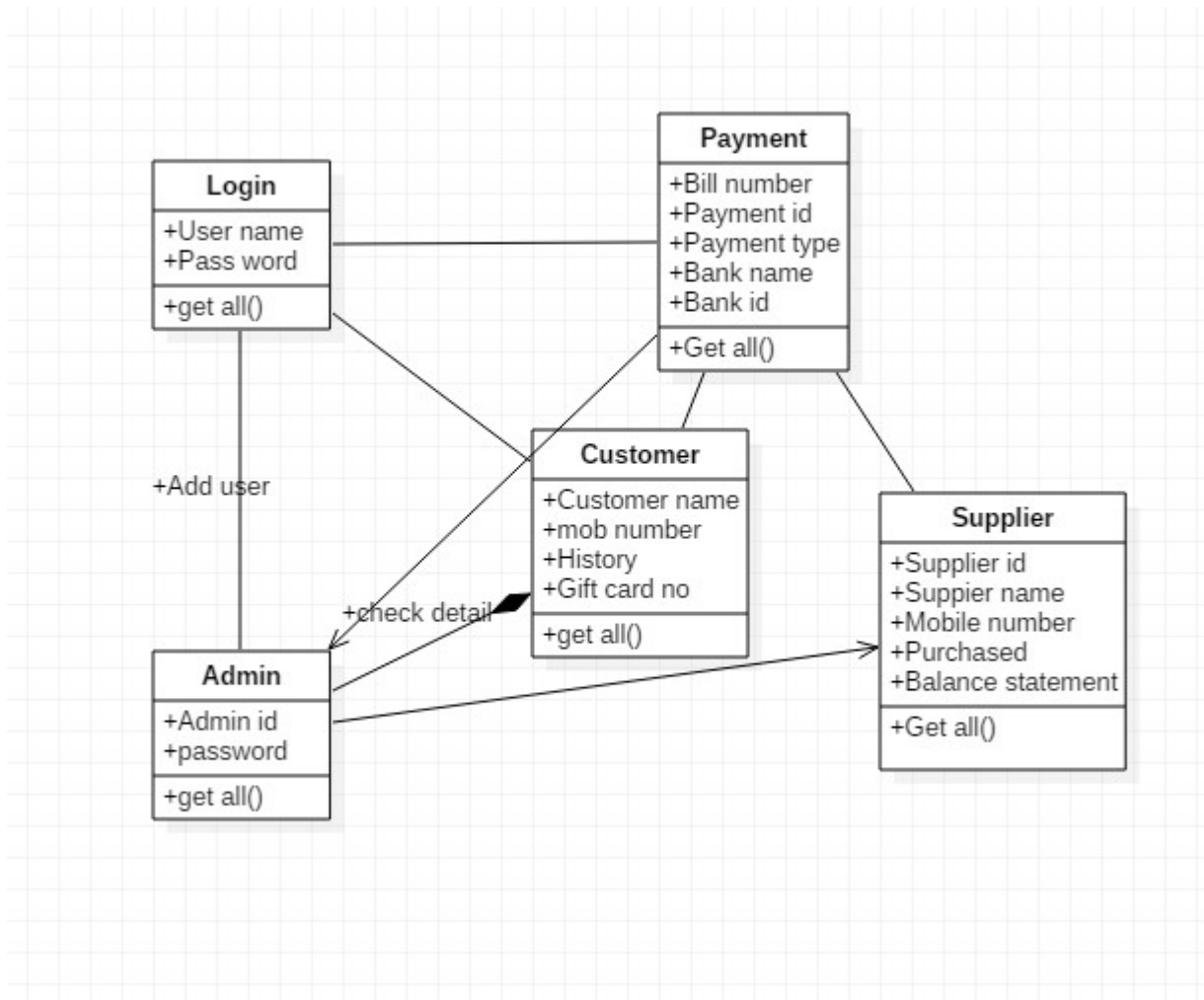
2.2 Challenges

The main Drawback in using ERP Software is that in some shops they will hire uneducated persons. Those persons cannot able to understand the system. We need to explain clearly for the persons how to use the system or make some educated person to join as clerk in shop and also it will take more time for them to use this system.

2.3 Assumptions

We assume that shop Manual shop convert to digital shop by adding computer system ,bar code machine ,online payments etc.

2.4 Architecture Specifications



- **Easily understandable** – the system should be easy to learn and understand
- **Portable** – the system should run on many platforms, browsers and operating Systems
- **Enhanceable** – the system should allow for enhancement without major code rewrites or architectural changes
- **Reusable** – the components of the system should be reusable

- **Good performance** – the system should provide good performance on all Platforms
- **User-friendly** – the system should be intuitive and easy to use
- **Responsive** – the system should respond to user actions quickly
- **Adaptive** – the system should be able to adapt to changes

2.5 Hardware Requirements

RAM – 8 GB.

Hard Drive - 1 GB

Graphics Card – 4GB

Monitor - 23" widescreen LCD with DisplayPort

Backup Device - External hard drive

Processor - core i3 or i5 processor dual core @ 2.0 GHz

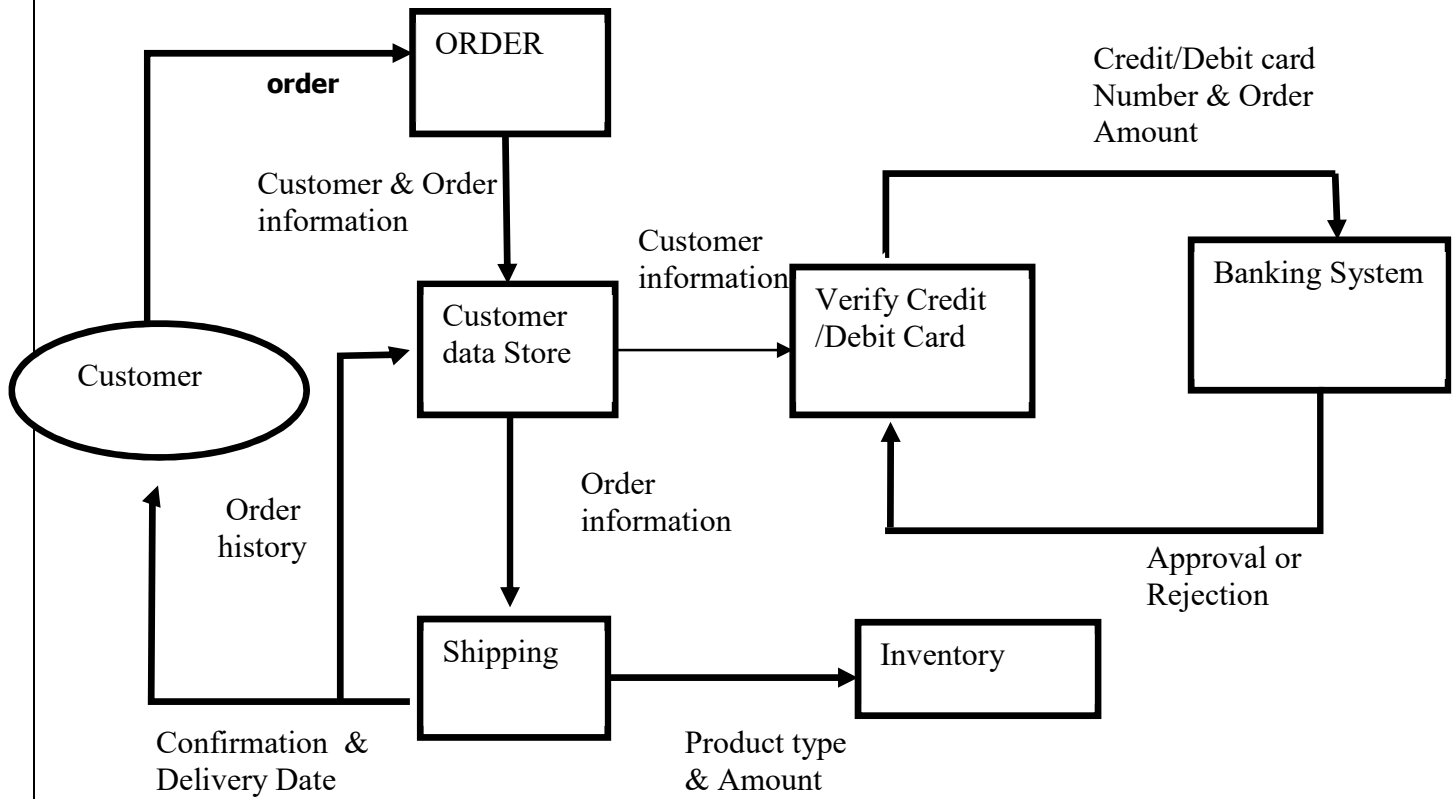
2.6 Software Requirements

Operating System - Windows 7,8,10

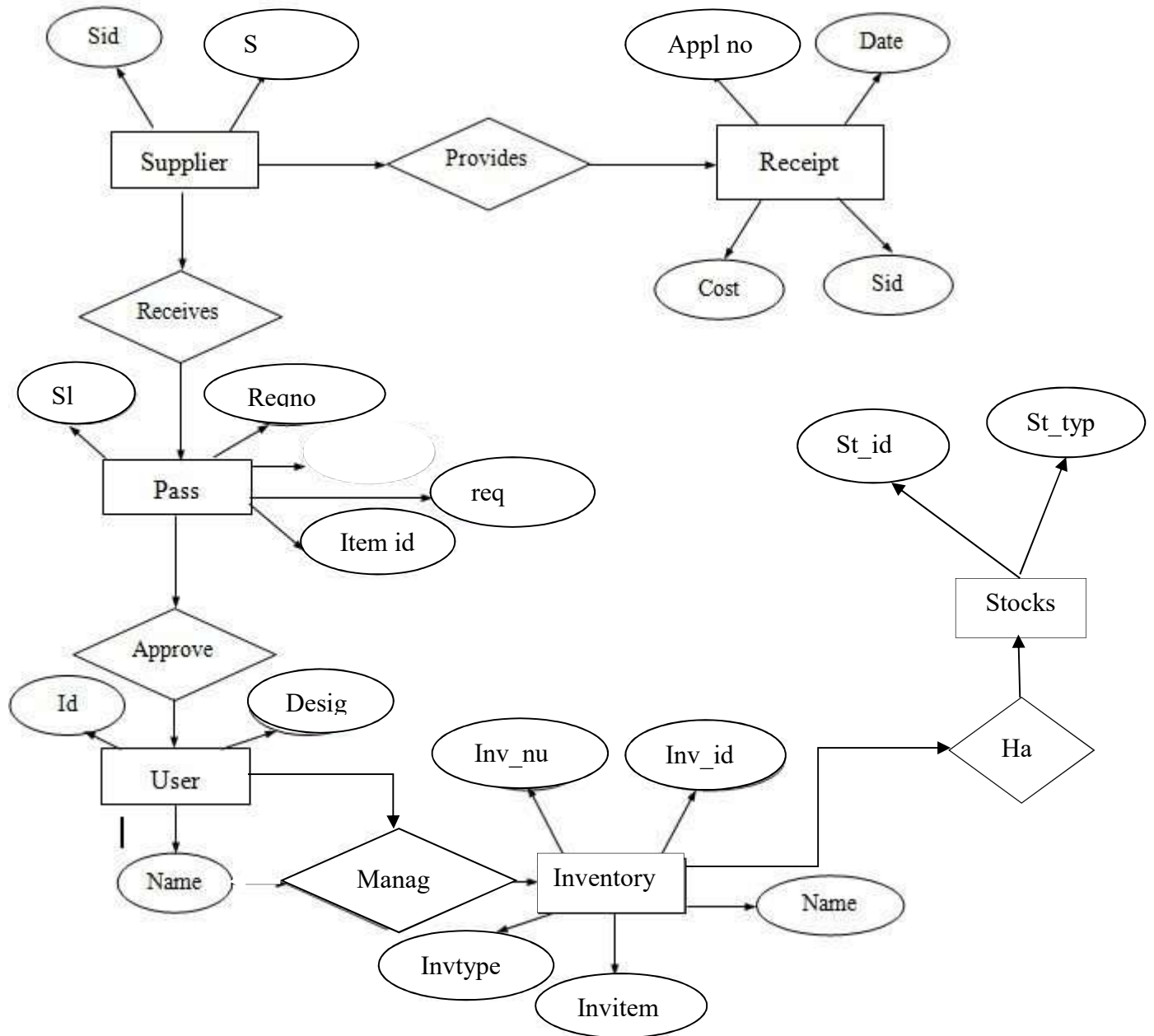
Visual studio - 2017

3. System Design

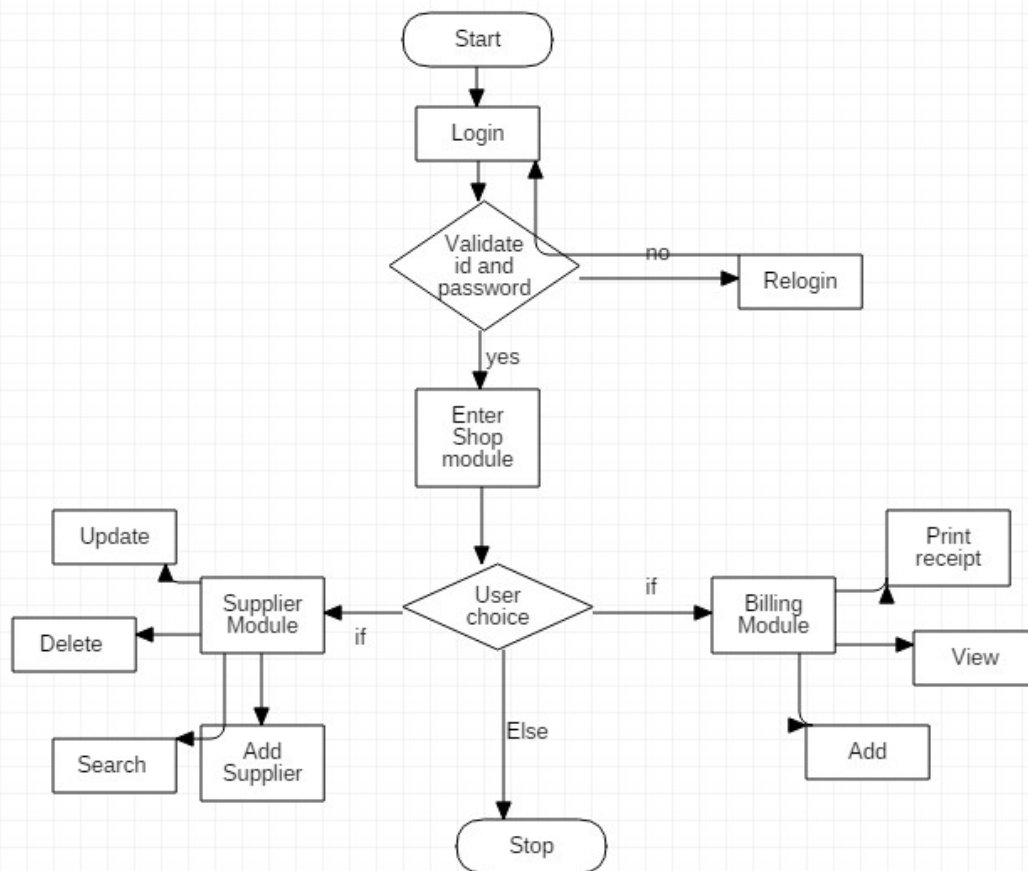
3.1 Low -Level Design



3.2 High -Level Design



Flow Chart:-



4. Implementation :

Module Development – code:-

Login module:

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

```

```

namespace WindowsFormsApp9
{
    public partial class Form1 : Form
    {
        public Form1()

```

```

{
InitializeComponent();
}

private void label2_Click(object sender, EventArgs e)
{

}

private void button1_Click(object sender, EventArgs e)
{
SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\dell\Documents\test.mdf;Integrated
Security=True;Connect Timeout=30");
SqlDataAdapter sda = new SqlDataAdapter("select count(*) from login where username='" +
textBox1.Text + "' and password='" + textBox2.Text + "'", con);
DataTable dt = new DataTable();
sda.Fill(dt);
if(dt.Rows[0][0].ToString()=="0")
{

this.Hide();
Main2 mm = new Main2();
mm.Show();
}
else
{
MessageBox.Show("Invalid username or password");
}
}

private void textBox1_TextChanged(object sender, EventArgs e)
{

}

private void label3_Click(object sender, EventArgs e)
{

}

private void panel1_Paint(object sender, PaintEventArgs e)
{

}

private void Form1_Load(object sender, EventArgs e)
{

}

private void label5_Click(object sender, EventArgs e)
{

}
}

```



```

private void button2_Click(object sender, EventArgs e)
{
    this.Hide();
    main4 mj = new main4();
    mj.Show();
}
}
}

```

ADMIN MODULE:-

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

```

```

namespace WindowsFormsApp9
{
    public partial class main4 : Form
    {
        public main4()
        {
            InitializeComponent();
        }
    }
}

```

```

private void main4_Load(object sender, EventArgs e)
{
}

```

```

private void button1_Click(object sender, EventArgs e)
{
    this.Close();
    Main2 mh = new Main2();
    mh.Show();
}

```

```

private void panel1_Paint(object sender, PaintEventArgs e)
{
}

```

```

private void button2_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\del1\source\repos\WindowsForms
App9\WindowsFormsApp9\test.mdf;Integrated Security=True;Connect Timeout=30");
    SqlDataAdapter sda = new SqlDataAdapter("select count(*) from admin where userid='"
textBox2.Text + "' and password='" + textBox3.Text + "'", con);
}

```

```

DataTable dt = new DataTable();
sda.Fill(dt);
if (dt.Rows[0][0].ToString() == "1")
{
    this.Hide();
    Main5 ma = new Main5();
    ma.Show();
}
else
{
    MessageBox.Show("Invalid username or password");
}
}

private void textBox2_TextChanged(object sender, EventArgs e)
{
}
}
}

```

ORDER MODULE:-

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace WindowsFormsApp9
{
    public partial class Main3 : Form
    {
        public Main3()
        {
            InitializeComponent();
        }

        private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
        {
        }

        private void Main3_Load(object sender, EventArgs e)
        {
            this.loginTableAdapter.Fill(this.testDataSet.login);
            con.Open();
            SqlDataAdapter SDA = new SqlDataAdapter("select * from tbl_insertion", con);
            DataTable dt = new DataTable();
            SDA.Fill(dt);
        }
    }
}

```

```

int i = dt.Rows.Count;
string cnt = Convert.ToString(i + 1);
textBox1.Text = " " + cnt;
con.Close();

using (testEntities db = new testEntities())
{
tblinsertionBindingSource.DataSource = db.tbl_insertion.ToList();
}
}

private void button1_Click(object sender, EventArgs e)
{

}

SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\dell\source\repos\WindowsFormsApp9\
WindowsFormsApp9\test.mdf;Integrated Security=True;Connect Timeout=30");
private void button1_Click_1(object sender, EventArgs e)
{

con.Open();
String query = "INSERT INTO tbl_insertion(no,sname,mobno,purchase,discount,amount) VALUES('" +
textBox1.Text + "',''" + textBox2.Text + "',''" + comboBox1.Text + "',''" + textBox4.Text + "',''"
+
textBox5.Text + "',''" + textBox6.Text + "')";
SqlDataAdapter SDA= new SqlDataAdapter(query, con);
SDA.SelectCommand.ExecuteNonQuery();
con.Close();
MessageBox.Show("Supplier data inserted successfully!!!!");
}

private void textBox1_TextChanged(object sender, EventArgs e)
{

}

private void button3_Click(object sender, EventArgs e)
{
con.Open();
String query="DELETE FROM tbl_insertion WHERE no='"+textBox1.Text+"'";
SqlDataAdapter SDA = new SqlDataAdapter(query, con);
SDA.SelectCommand.ExecuteNonQuery();
con.Close();
MessageBox.Show("Deletion of supplier detail successful!!! ");
}

private void comboBox1_SelectedIndexChanged_1(object sender, EventArgs e)
{

}

private void button4_Click(object sender, EventArgs e)
{

```

```

con.Open();
String query = "SELECT * FROM tbl_insertion";
SqlDataAdapter SDA = new SqlDataAdapter(query, con);
DataTable dt = new DataTable();
SDA.Fill(dt);
dataGridView1.DataSource = dt;
con.Close();
}

private void button2_Click(object sender, EventArgs e)
{
con.Open();
String query = "UPDATE tbl_insertion SET Sname='" + textBox2.Text + "',mobno='" + textBox4.Text +
    "',purchase='" +
comboBox1.Text + "',discount='" + textBox5.Text + "',amount='" + textBox6.Text + "' WHERE no='"
    + textBox1.Text + "'";
SqlDataAdapter SDA = new SqlDataAdapter(query, con);
SDA.SelectCommand.ExecuteNonQuery();
con.Close();
MessageBox.Show("Updation of supplier detail successful!!! ");
}

private void button5_Click(object sender, EventArgs e)
{
this.Close();
Main2 mh = new Main2();
mh.Show();
}

private void print_Click(object sender, EventArgs e)
{
printDialog1.Document = printDocument1;
if (printDialog1.ShowDialog() == DialogResult.OK)
{
printDocument1.Print();
}
}

private void printDocument1_PrintPage(object sender, System.Drawing.Printing.PrintPageEventArgs e)
{
e.Graphics.DrawString(label7.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 37, 20);
e.Graphics.DrawString(textBox1.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 145, 17);
e.Graphics.DrawString(label2.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 37, 56);
e.Graphics.DrawString(textBox2.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 145, 56);
e.Graphics.DrawString(label3.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 37, 97);
}

```

```
e.Graphics.DrawString(textBox4.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 145, 97);
e.Graphics.DrawString(label4.Text, new Font("Arial", 40, FontStyle.Bold), Brushes.Black, 39, 134);
```

```
}
```

```
private void button6_Click(object sender, EventArgs e)
{
    con.Open();
    SqlCommand cmd;
    SqlDataReader dr;
    int aa = Convert.ToInt32(textBox3.Text);
    string abc = "SELECT no,Sname,amount,mobno,purchase,discount From table2 where no='" + aa + "'";
    cmd = new SqlCommand(abc, con);
    MessageBox.Show("one found");
    dr = cmd.ExecuteReader();
    DataTable dt = new DataTable();
    dt.Load(dr);
    dataGridView1.DataSource = dt;
    con.Close();
}
```

```
private void label2_Click(object sender, EventArgs e)
{
}
```

```
private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
}
```

```
private void textBox4_TextChanged(object sender, EventArgs e)
{
}
```

```
private void button7_Click(object sender, EventArgs e)
{
    this.Hide();
    Form4 hh = new Form4();
    hh.Show();
}
}
```

BILLING MODULE:-

```
using System;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
```

```

using System.Windows.Forms;

namespace WindowsFormsApp9
{
    public partial class VB_Tax : Form
    {
        double iTax, iSubTotal, iTotal;

        public VB_Tax()
        {
            InitializeComponent();
        }

        private void label7_Click(object sender, EventArgs e)
        {
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult iExit;
            iExit = MessageBox.Show("confirm if u want to exit", "sales inventory system", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (iExit == DialogResult.Yes)
            {
                this.Close();
                Main2 mj = new Main2();
                mj.Show();
            }

        }

        private void btnReset_Click(object sender, EventArgs e)
        {
            lblTax.BackColor = Color.White;
            lblSubTotal.Text = "";
            lblTax.Text = "";
            lblTotal.Text = "";
            txtquantity.Text = "";
        }

        private void label5_Click(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            printDialog1.Document = printDocument1;
        }
    }
}

```

```

if (printDialog1.ShowDialog() == DialogResult.OK)
{
    printDocument1.Print();
}
}

private void txtquantity_TextChanged(object sender, EventArgs e)
{

}

private void printDocument1_QueryPageSettings(object sender,
System.Drawing.Printing.QueryPageSetting
sEventArgs e)
{

}

private void printDocument1_PrintPage(object sender, System.Drawing.Printing.PrintPageEventArgs
e)
{
    e.Graphics.DrawString(label5.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black, 120,
    24);
    e.Graphics.DrawString(comboBox1.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black,
    438, 24)
    ;

    e.Graphics.DrawString(textBox1.Text, new Font("Arial", 20, FontStyle.Bold), Brushes.Green, 419,
    9);
    e.Graphics.DrawString(label7.Text, new Font("Arial", 20, FontStyle.Bold), Brushes.Green, 234,
    9);
    e.Graphics.DrawString(label11.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black, 114,
    72);
    e.Graphics.DrawString(label12.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black, 114,
    130);
    e.Graphics.DrawString(lblSubTotal.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black,
    432,
    130);
    e.Graphics.DrawString(label13.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black, 114,
    184);
    e.Graphics.DrawString(lblTax.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Pink, 432,
    184);
    e.Graphics.DrawString(txtquantity.Text, new Font("Arial", 30, FontStyle.Italic), Brushes.Black,
    430,
    92);
    e.Graphics.DrawString(label14.Text, new Font("Arial", 30, FontStyle.Bold), Brushes.Black, 114,
    242);
    e.Graphics.DrawString(lblTotal.Text, new Font("Arial", 30, FontStyle.Bold), Brushes.Black, 431,
    242);
    e.Graphics.DrawString(label16.Text, new Font("Arial", 20, FontStyle.Bold), Brushes.Green, 12, -
    1);
}

private void label14_Click(object sender, EventArgs e)
{

```

```

}

private void lblTax_Click(object sender, EventArgs e)
{
}

private void label2_Click(object sender, EventArgs e)
{
}

private void textBox1_TextChanged(object sender, EventArgs e)
{
}

private void label7_Click_1(object sender, EventArgs e)
{
}

SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\dell\source\repos\WindowsFormsApp9\
WindowsFormsApp9\test.mdf;Integrated Security=True;Connect Timeout=30");
private void button2_Click(object sender, EventArgs e)
{
con.Open();
String query = "INSERT INTO Table2(billno,itemname,quantity>Total) VALUES('" + textBox1.Text +
"', '" + comboBox1.Text + "', '" + txtquantity.Text + "', '" + lblTotal.Text + "')";
SqlDataAdapter SDA = new SqlDataAdapter(query, con);
SDA.SelectCommand.ExecuteNonQuery();
con.Close();

MessageBox.Show("Bill Added successfully!!!!");
}

private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
{
}

private void label11_Click(object sender, EventArgs e)
{
}

private void lblSubTotal_Click(object sender, EventArgs e)
{
}

private void label6_Click(object sender, EventArgs e)

```



```

{
}

private void VB_Tax_Load(object sender, EventArgs e)
{
    con.Open();
    SqlDataAdapter SDA = new SqlDataAdapter("select * from table2",con);
    DataTable dt = new DataTable();
    SDA.Fill(dt);
    int i = dt.Rows.Count;
    string cnt = Convert.ToString(i + 1);
    textBox1.Text = " " + cnt;
    con.Close();
}

private void btnTotal_Click(object sender, EventArgs e)
{
    cTax cost = new cTax();
    if (txtquantity.Text == "")
    {
        MessageBox.Show("enter quantity", "sales inventory system", MessageBoxButtons.OK,
            MessageBoxIcon.Question);
        txtquantity.Focus();
    }
    else
    {
        cost.item1 = double.Parse(txtquantity.Text) * 4.5;

        iSubTotal = cost.GetAmount();
        iTax = cost.cFindTax(iSubTotal);

        iTotal = iSubTotal + iTax;

        lblTax.Text = String.Format("{0:c}", iTax);
        lblSubTotal.Text = String.Format("{0:c}", iSubTotal);
        lblTotal.Text = String.Format("{0:c}", iTotal);

        lblTax.BackColor = Color.Azure;
    }
}
}
}
}

```

SEARCH MODULE:

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;

```

```

using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace WindowsFormsApp9
{
    public partial class Form4 : Form
    {
        SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFileName=C:\Users\dell\source\repos\WindowsFormsApp9\WindowsFormsApp9\test.mdf;Integrated Security=True;Connect Timeout=30");
        SqlDataReader dr;
        SqlCommand cmd;
        public Form4()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            con.Open();

            int aa = Convert.ToInt32(textBox1.Text);

            string abc = "SELECT no,Sname,amount,mobno,purchase,discount FROM tbl_insertion WHERE no = '" + aa + "'";
            cmd = new SqlCommand(abc, con);

            MessageBox.Show("one found");

            dr = cmd.ExecuteReader();
            DataTable dt = new DataTable();
            dt.Load(dr);
            dataGridView1.DataSource = dt;
            con.Close();
        }

        private void Form4_Load(object sender, EventArgs e)
        {
            // TODO: This line of code loads data into the 'testDataSet1.tbl_insertion' table.
            You can move, or remove it, as needed.
            this.tbl_insertionTableAdapter.Fill(this.testDataSet1.tbl_insertion);
        }

        private void textBox1_TextChanged(object sender, EventArgs e)
        {

```

}
}
}

Output:

Login Module:



Admin Module:

ADMIN LOGIN

userid

password

Enter

back

Billing Module:-

SHOP BILL

Bill no

7

Item name

Quantity

subtotal

Tax

Total

SAVE

Total

Reset

Exit

print

Order module:-

ABOUT

SUPPLIER ID

9

SUPPLIER NAME

MOBILE NUMBER

PURCHASED

back

no	Sname	mobno
112	K.karthikeyan	9500872858
1	K.dineshkumar	9500872858
2	naren	TRACK PAN
3	ram kumar	983493947
4	veera kumar textile	LUNGI
5		SADEC

DISCOUNT

AMOUNT TO PAY

MODIFY

Save Data

Update

Delete Data

View

search

PRINT RECEIPT

Searching Module:-

1

search

no	Sname	mobno	purchase
1	K.dineshkumar	9500872858	LUNGI
*			

4.3 Discussion

In this we have done supplier module in that we have inserted search option and datagrid view for efficient user interface and we have added printing options also like pdf,one note etc.And we have added search using date and month also included.

5. Conclusion and Future Developments

In this we have created SAP ERP software for Cloth Shop management. By this we can be able to do all the things with up to date information. It will be very useful for the Cloth Shop owners to maintain their system easily. It is user friendly to work. For future developments we can be able to develop the ERP to maintain large no. of Stores with one database and to make the system work efficiently.

6. References

1. <https://www.youtube.com/watch?v=tcmnCcMs8yU>
2. <https://www.youtube.com/watch?v=QoPABrUknsE>
3. https://www.youtube.com/watch?v=cFvo48Ix_Xc
4. <https://www.youtube.com/watch?v=oVjjWzV0URk>
5. <https://www.youtube.com/watch?v=ScOkeyqtIGQ>

**VIT®****Vellore Institute of Technology**
(Deemed to be University under section 3 of UGC Act, 1956)**M.Tech (Software Engineering) FALL 2018
SWE 1014 : Enterprise Resource Planning
Course Project-System Study Review- III
Evaluation Sheet.****TITLE: CLOTH SHOP MANAGEMEME****TEAM NAME : TEAM PLANNERS****Project Team**

S.No	Register Number	Student Name	Signature	Guided By
1	16MIS0013	A.KESHAV KIRUPA		<i>Dr. Nadesh R.K</i>
2	16MIS0102	K.KARTHIKEYAN		
3	16MIS0450	N.RAMYA		

Team Member(s) Contribution and Performance Assessment

Components	Student 1	Student 2	Student 3
Implementation & Results -(30)			
Contributed fair share to the team project - (05)			
Cohesive Presentation -(05)			
Documentation Hard/Soft - (05)			
Q & A (5)			

Student Feedback_(Student Experience in this Course Project)**Comments****Name & Signature of the Evaluator***(Dr.Nadesh R.K)*