SECURITY GUARD MANEGMENT SYSTEM

DESIGNED BY

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THANE (W) - 400 601 MAHARASHTRA

YEAR: 2020-21

GUAIDENCE BY

MR.TEJAS JADHAV

CERTIFICATE OF

TOP IPS INDUSTRIAL SECURITY GROUP

Respected Sir,

I hereby certify that "**Mr. MILIND SANJAY PATHARE**" student of B.N.Bandodkar College of Science, Thane has worked under the requirements for "TOP INDUSTRIAL PROTECTION SECURITY (IPS) MANEGMENT SYSTEM" and has successfully completed the project of TYBSC (Computer Science) Course as prescribed by UNIVERSITY OF MUMBAI.

The format and all entire details have been designed by suitable to the project.

Regards,

(Client signature)

ACKNOWLEGDEMENT

Primarily I would thank god for being able to complete this project with success. Then I would to thank to my guide.

All that I have done is only due to the such direction and support and I am utilizing to thank all the people who have been concerned with this project. In the accomplishment of this project successfully it required a lot of guidance from experienced people and also their heart pledged support.

I express my sincere thanks to the college project guide, my teacher Mr. Tejas Jadhav, whose valuable guidance has been the ones that helped me patch this project and make it full proof of success. His suggestions and his instructions have served as the major contributor towards the completion of the project.

I also want to express thanks to Mr. Abhishek Vartak has helped me a lot in the guidance level and technical level also.

I would also like thanks to my parents had help me out at the time of designing of the project.

Finally I apologize all other unnamed who helped me in various way to complete my project successfully.

DECLARATION

I am Mr. MILIND SANJAY PATHARE the student of VPM's B.N. Bandodar College of Science Thane, T.Y.B.SC (Computer Science), hereby declare that ,I have Completed Project on "TOP INDUSTRIAL SECURITY MANEGMENT SYSTEM"

And the information submitted is true.

Name and signature of the Student

SYNOPSIS OF THE PROJECT

Title of the Project :-

Security Guard Management Project

Company Name : (TOP IPS GROUP)

About The Problem :-

Bill Estimate For Client

In the Current System, All the Information about the security guards and Supervisors and all company related officers has manually write down their records. They make the different kinds of registers for different purpose like attendance, no. of Guards and supervisors and etc.

To make every monthly Bill estimate , They have to find the register and make it . So it is a Long and Complicated process to search.

PRIMARY REASON TO CHOSE THIS TOPIC :

1) We will create a simple computerized management system.
2) There is no need to write down to much things like date time ,Name of Guards.
3) It is User friendly system which will helpful to the operator or the client.

OBJECTIVE :-

1) The Privacy is more important to this management system.
2) Application will save the all details of the guards and supervisor and there maintenance bill monthly.

SCOPE OF THE PROJECT :-

1) User friendly desktop management system.
2) We will take the monthly report of the different society and other Buildings .
3) Transparency is very clear to the both client and the Customer.
4) Member of the society will be satisfy from this system and also they make feel more secure about it.

WORKING METHODOLOGY :-

1) Client Login the system.
2) There are content which is provided by the system to the owner or the Client.
3) We will Manage all the data related to the Security Guards ,Supervisors.
4) There are list of all Security guards ,Supervisors, Management Staff .
5) Save the Monthly bill for the customers .
6) Calculate the all maintenance fee and provide the receipt.

HARDWARE REQUIRMENT :-

1. Hard disk : minimum 5gb space .
2. Processor :- minimum i3 required.
3. RAM :- minimum 4gb RAM required.

SOFTWARE REQUIREMENT :-

1. Windows 10 Operating System (64-Bits)
2. Microsoft Visual Studio version -2019
3. Sql Database.

LISTING OF TESTING TECHNOLOGY :-

1. Unit Testing.
2. Validation Testing.
3. System Testing.

Limitations of the Proposed System :-

The System cannot handle the online Payment of the particular Client Estimate (Bill).

Duration of Project :- 3 months.

TABLE OF CONTENTS

1. INTRODUCTION

The Company of the TOP INDUSTRIAL SECURITY GROUPS is located at the A -17/2-4 ,T.T.C. , M.I.D.C., Near Relience Hospital ,Khairane,Navi Mumbai -400705 .

The main aim of the project is to manage the staff of the Company ,Making the bill estimate and Give the Client better transparency and accuracy .

Introduction to the Project :

- Objective and Scope of the Project
  - The main objective of the TOP IPS Security Guard Management System is to build the transparency among the Developer's and clients.
  - Making the Records of the staff And manage the system very simply way with using this system.
  - Make the simple and very clear formatted Bill or Estimates.

- Existing System :-

- In the Existing System, Company Dose not making the any records of the staff members. So as that reasons company dose not have any record of particular member. Such like as Address ,mobile No. ,Alternate No. ,etc.
- Also ,While making the Bill or estimate for the client there is no transparency between them. It also make the Book Kind of system in which there are many chances to misplaced it. And after making the book receipt it can not be update or there is no chance to making corrections.
- For storing the records ,They have to place the different books for different jobs to store the data.

❖ **PROPOSED SYSTEM :-**

- In this System, We Can Store all kind of records related to company . such as the All Existing Staff records, Making the Bill or Estimates.
- Staff Management.
- Updating the old or new Estimates.
- For the security reason LOGIN System is very important for it.
- Creating the new user facility is provided in to the System.

2.FEASIBILTY STUDY

Preliminary investigation examines project feasibility, the likelihood the system will be useful to the proprietor. The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new modules and debugging old running system. All system is feasible if they are unlimited resources and

infinite time. There are aspects in the feasibility study portion of the preliminary investigation:

- ❖Technical Feasibility
- ❖Operational Feasibility
- ❖Economic Feasibility

➢ TECHNICAL FEASIBILITY

Earlier no system existed to cater the needs of 'Secure Infrastructure Implementation System'. It is essential that the process of analysis and definition be conducted in parallel with an assessment to technical feasibility. The current system developed is technically feasible. It is an application-based user interface. Thus, it provides an easy access to the school's owner. The database's purpose is to create, establish and maintain a workflow among various entities. Therefore, it provides the technical guarantee of accuracy, reliability and security. The work for the project is done with the current equipment and existing software technology.

➢ ECONOMIC FEASIBILITY

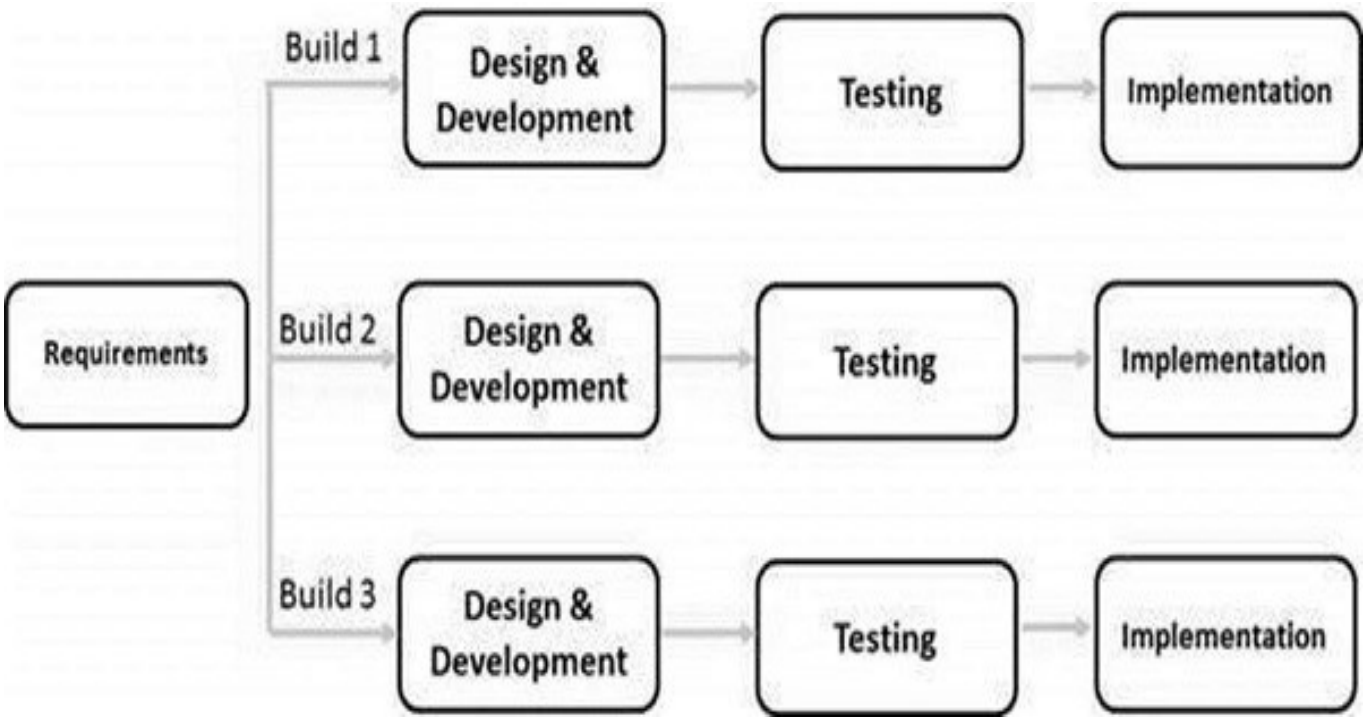
Economic feasibility is determined by the means of cost benefit analysis. The proposed system is economically feasible as the cost involved in purchasing the hardware and software falls within the budget. It is worth to invest within the proposed system as it offers many such functionalities that falls under the budget and would make the tangled work, flow in a smooth manner. The recovery of the cost incurred in the project would consume a minimal span of time. The proposed system will give the minute information, as a result the performance is improved which in turn may be expected to provide increased profits.

➢ OPERATIONAL FEASIBILITY

With the proposed system, the user can login into their zone where the sorted form of information would be available for him to take into use. For

the implementation of this proposed system, the user should know about the computer basics, information about working with windows platform, login, logout, profiles, sorting knowledge between the required things. These skills are required to be known by the user and if the user is unaware of such tactics, he can easily learn it which requires hardly any time to invest into it. All over the proposed system is operationally feasible as it is very easy for the end users to handle it.

3.ITERATIVE MODEL DIAGRAM



3.1 Model Implementation

To develop this project used the Iterative Model. The most Primary reason to used this model is the all requirements of the project is clearly defined and understood. The major requirements are defined, while some functionalities and requested enhancements evolve with the process of the development process. The main scope to used this model is flexible ,less costly and very easy to used. Each phase characterized in Iterative Model has a specific deliverable.

Phases of Iterative Model :-

Phases	Description
Requirements Stage	The system related information is gathered and analyzed.
Design Stage	The software solution is prepared to meet the necessities for the design. The system design may be a new one or extension of previous build one.
Test Stage	The system is developed by coding and building the user interface and modules which is then incorporated and tested.
Implementation Stage	This stage is same as Test Stage in which system is developed by coding and building the user interface.

4. DATABASE DESIGN WITH RECORDS

- **Registration :-**

Column Name	DataType
First Name	Varchar(20)
Last Name	Varchar(20)
address	Varchar(50)
Contact	Varchar(10)
Username	Varchar(10)
Password	Varchar(10)

- **Estimate :-**

Column Name	DataType
Dated	Varchar(50)
Buyer	Varchar(50)
Address	Varchar(50)
GST	Varchar(50)
State	Varchar(50)
Place	Varchar(50)

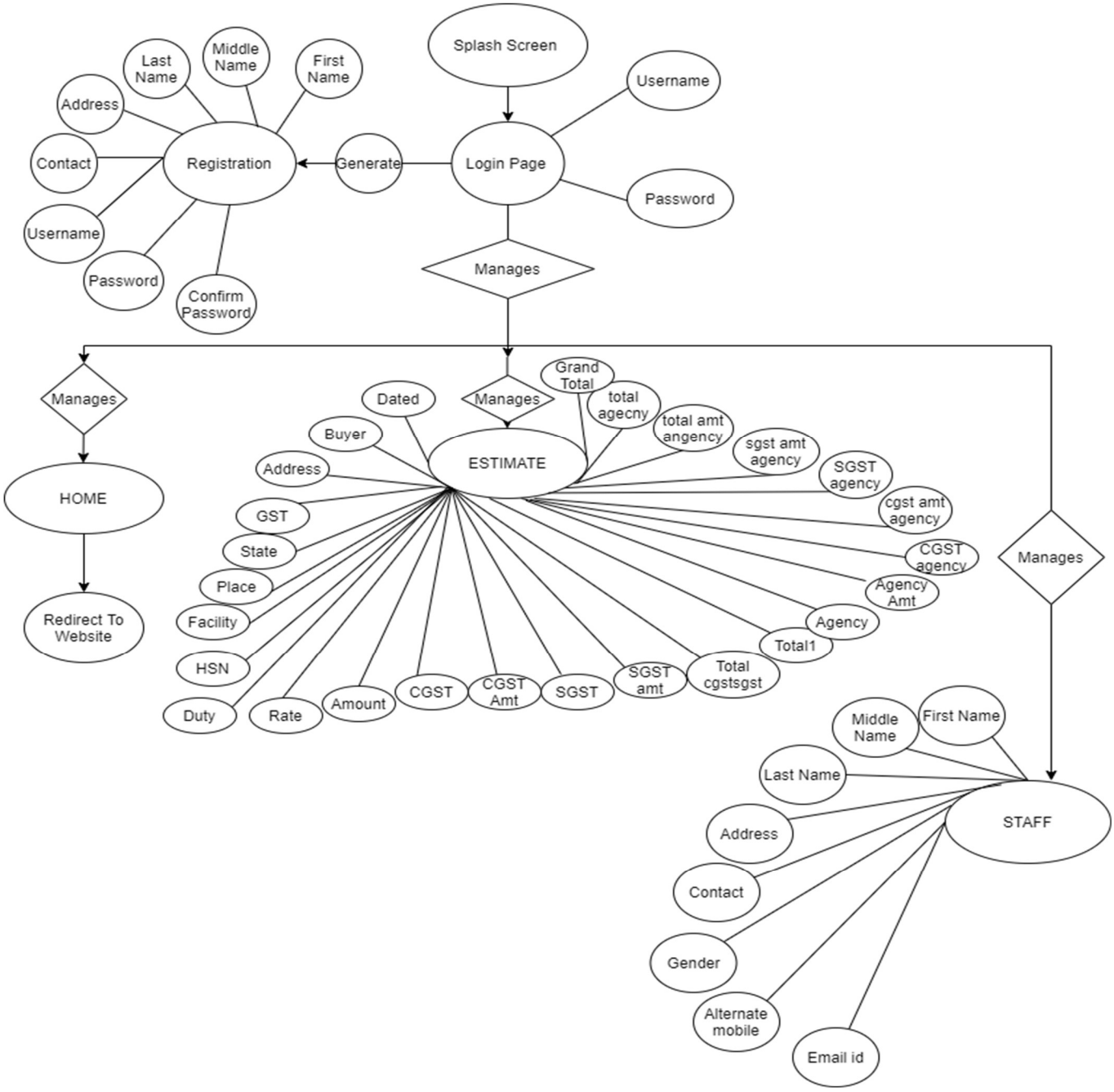
Facility	Varchar(50)
HSN	Varchar(50)
Duty	Varchar(50)
Rate	Varchar(50)
Amount	Varchar(50)
CGST	Varchar(50)
Cgst Amount	Varchar(50)
SGST	Varchar(50)
Sgst Amount	Varchar(50)
Total CGST SGST	Varchar(50)
Total1	Varchar(50)
Agency	Varchar(50)
Agency amount	Varchar(50)
CGST Agency	Varchar(50)
Cgst Amount Agency	Varchar(50)
Sgst Agency	Varchar(50)
Sgst Amount Agency	Varchar(50)
Totalagencygst	Varchar(50)
totalAgency	Varchar(50)
GrandTotal	Varchar(50)

- **STAFF :-**

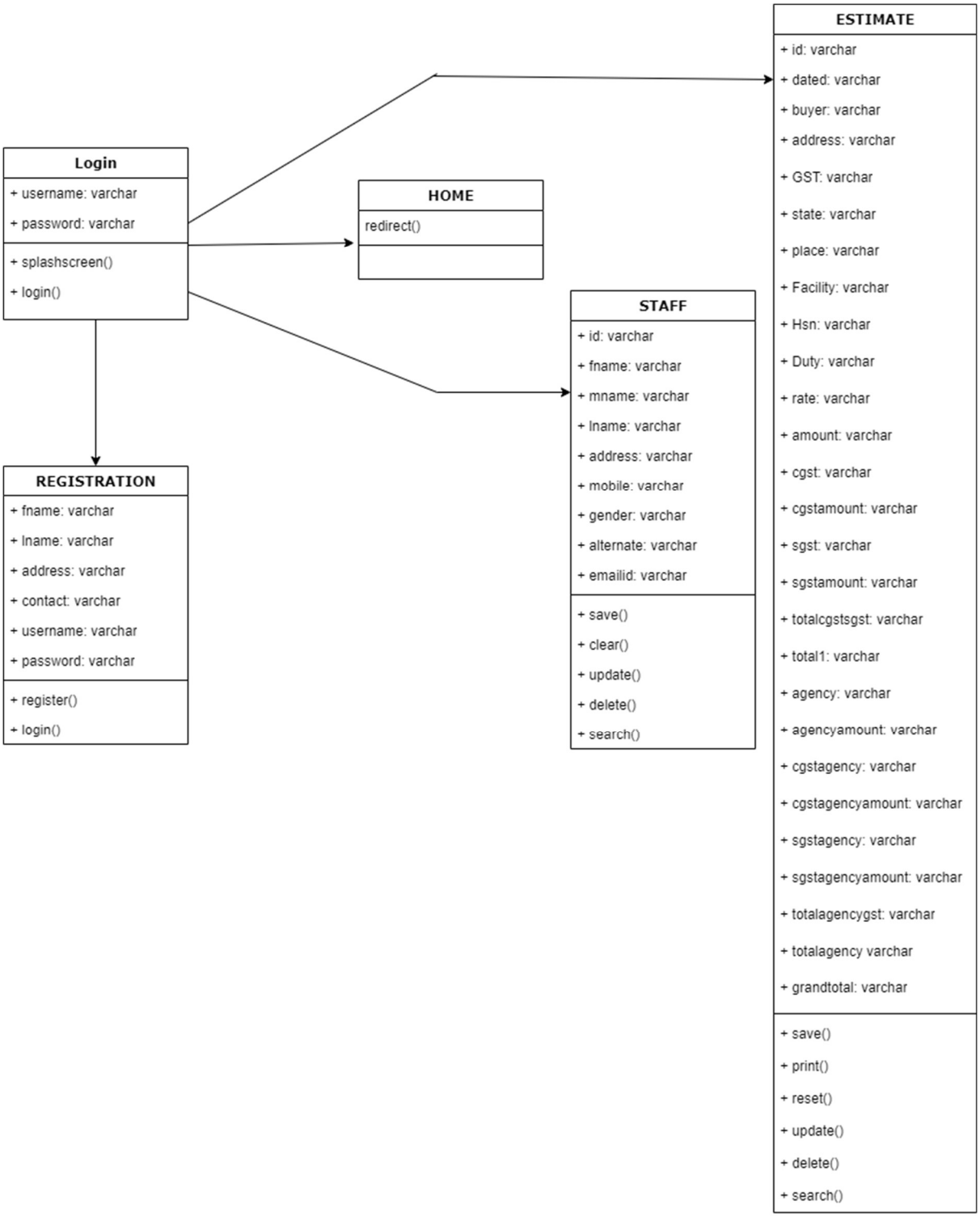
Column Name	DataType
First Name	Varchar(50)
Middle Name	Varchar(50)
Last Name	Varchar(50)
Address	Varchar(50)
Mobile	Varchar(50)
Gender	Varchar(50)
Alternate Mobile	Varchar(50)
Email Id	Varchar(50)

5.DIAGRAMS

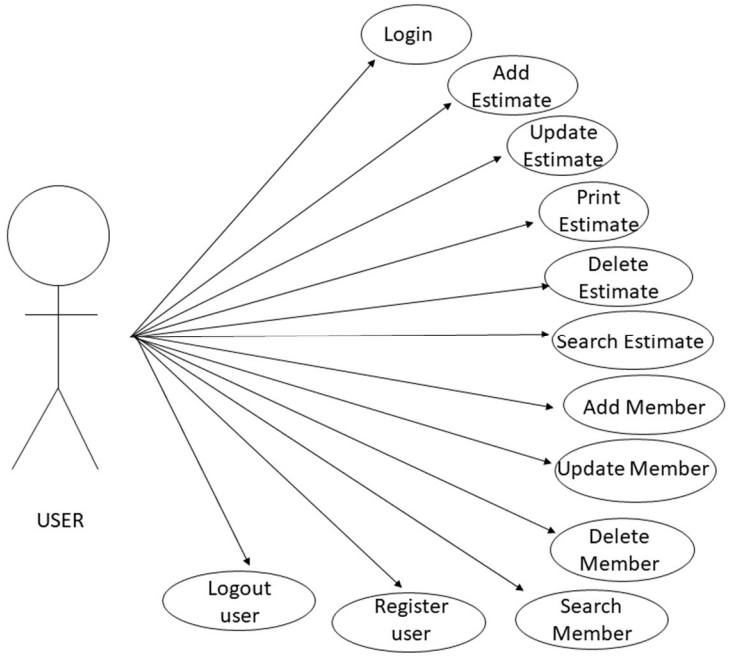
5.1 E.R DIAGRAM :-



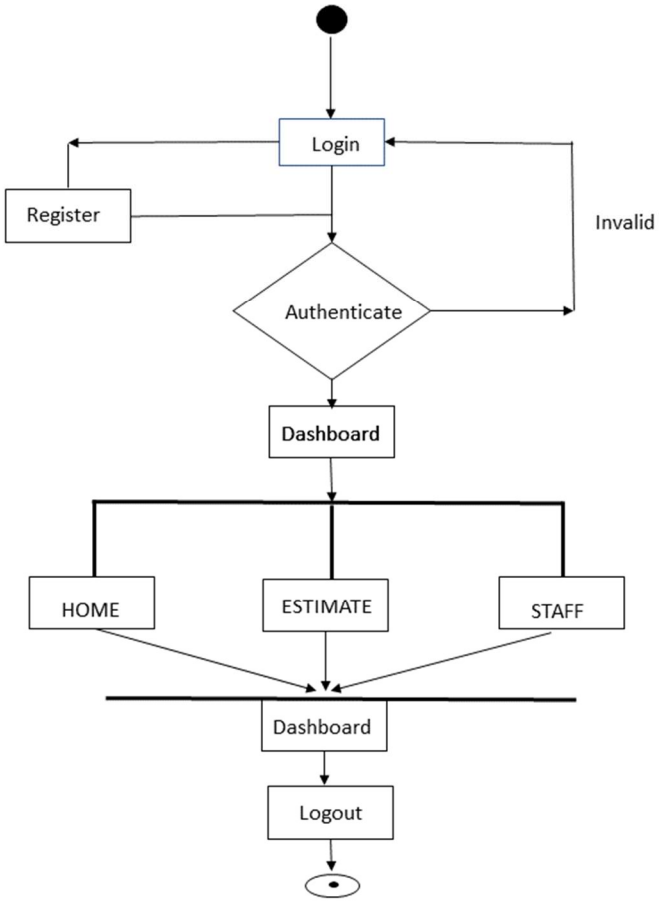
5.2 CLASS DIAGRAM :-



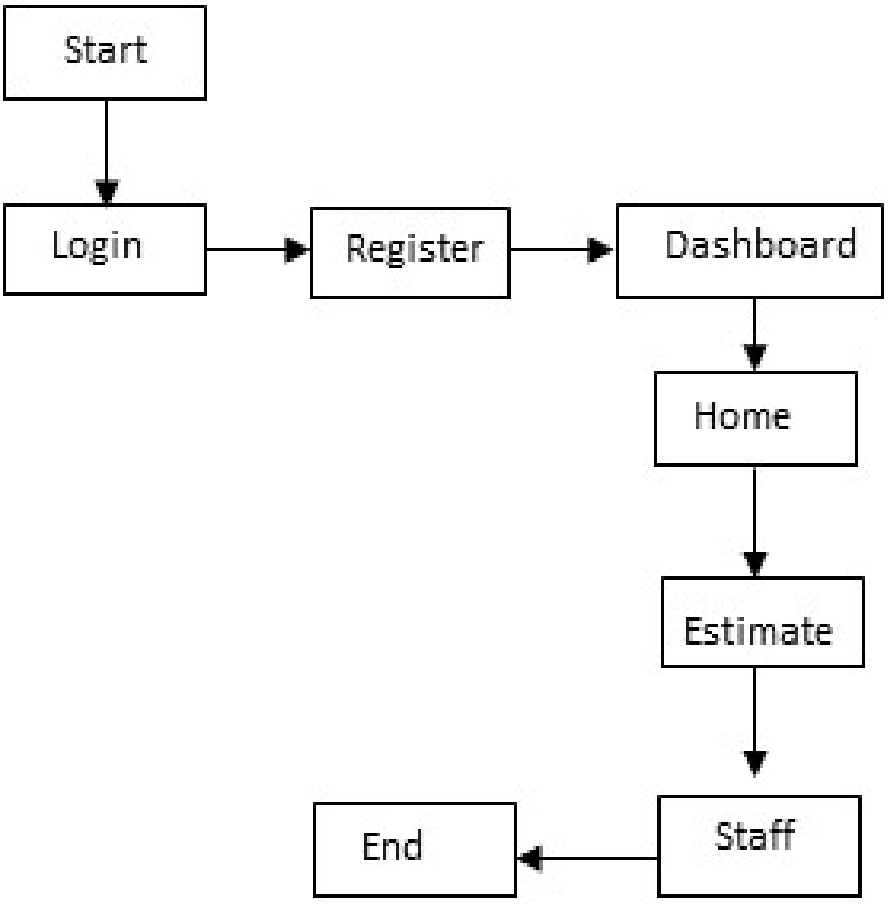
5.3 Use case Diagram:-



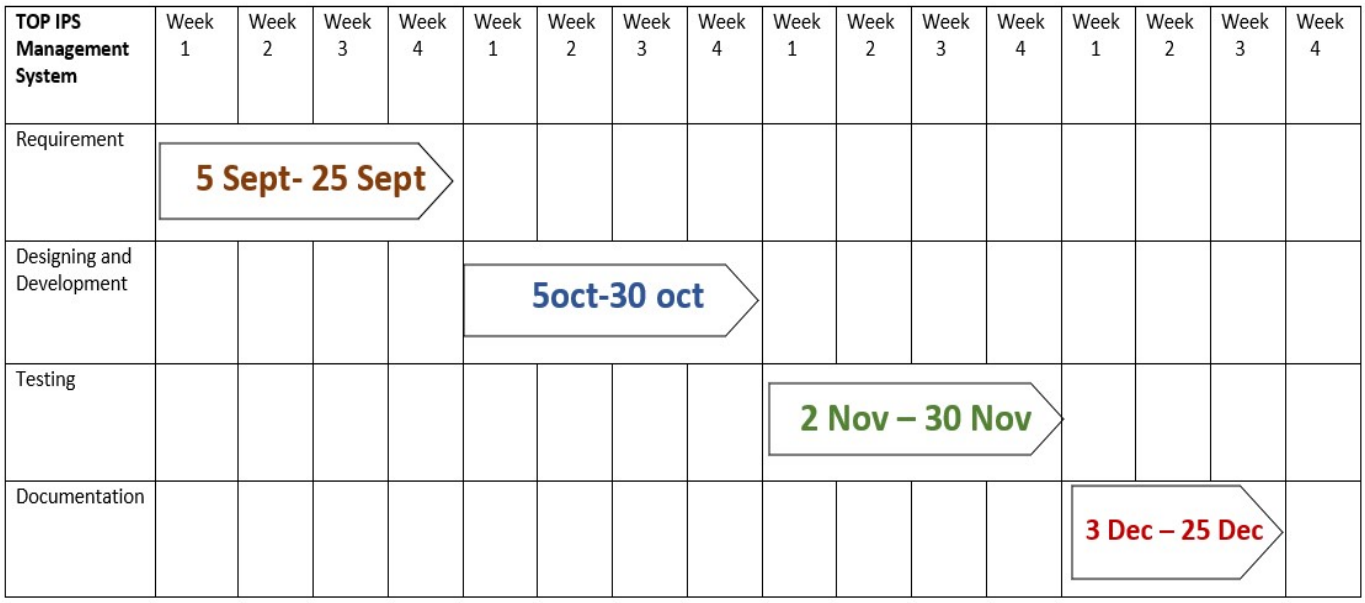
5.4 ACTIVITY DIAGRAM



5.5 DATAFLOW DAIGRAM :



5.6 GANTT CHART :



6.TEST CASES

SR. NO	Action	Input	Expected Output	Actual Output	Test Result	Test Comment
1.	Launch the Application	Click on software	Login page	Login Page	Pass	Successful
2.	Username and password matched	Username :milind Password: ******	Dashboard	Dashboard	Pass	Dashboard window
3.	If username and password not correct	Username :milind Password: *****	“Check username and password”	“Check username and password”	Fail	Invalid username and password

4.	If Mobile number is not 10 digit	123456789	“Invalid Contact”	“Invalid Contact”	Fail	Unsuccessful
5.	If Mobile number is not in numeric Form	12345abcd	“Invalid Contact”	“Invalid Contact”	Fail	Unsuccessful
6.	If Email id is not in correct form	milindpathare.	“Invalid Email id ”	“Invalid Email id ”	Fail	Unsuccessful
7.	If mobile no. is 10 digit	Mobile number	No Error Message	No Error Message	Pass	Successful
8.	if mobile number is in correct format	Mobile number	No Error message	No Error Message	Pass	Successful
9.	if email address is in correct format	Enter email address	no Error message	No Error Message	Pass	Successful
10.	If all fields are empty	Name : -------	“Please enter all required field”	“Please enter all required field”	Fail	unsuccessful

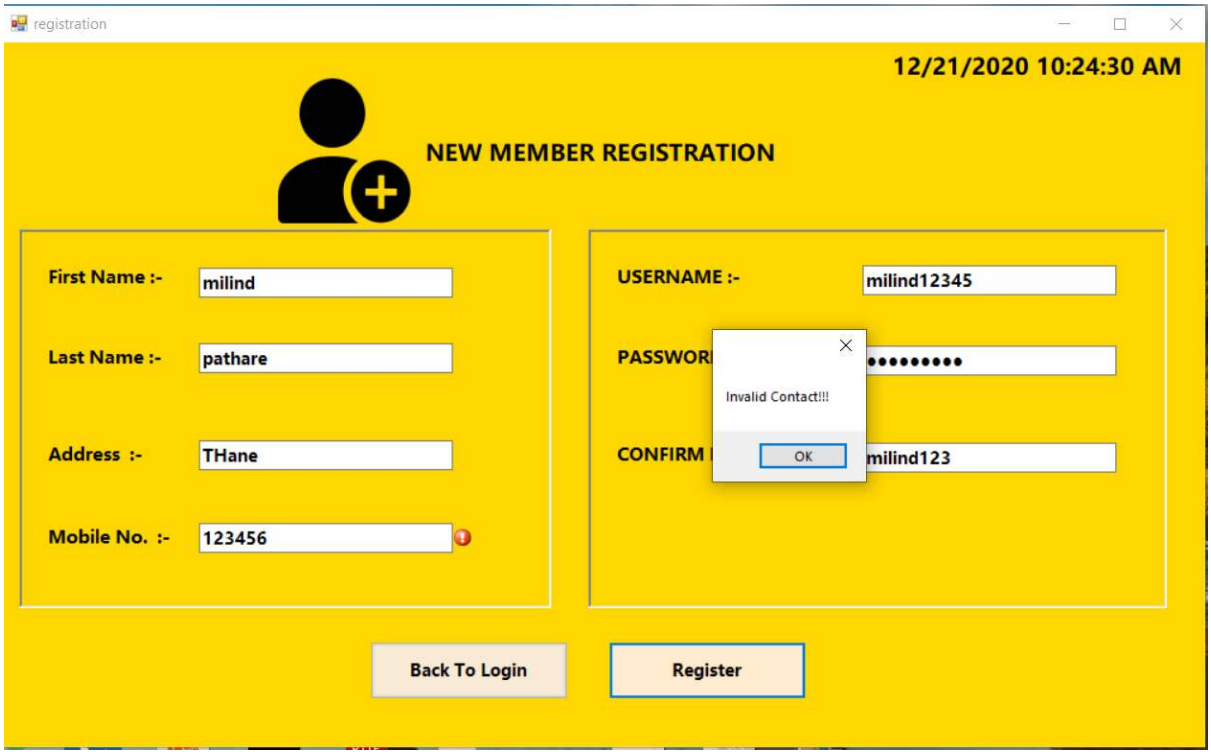
7. EVENT TABLE

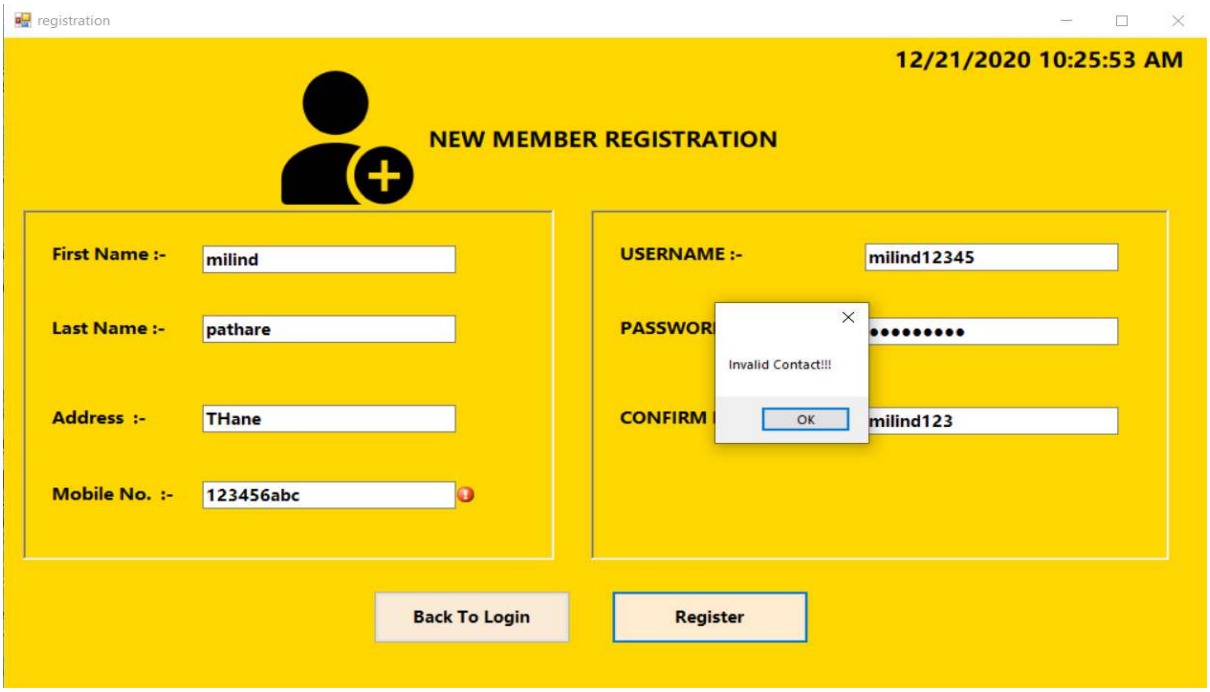
SR. NO.	Event	Trigger	Source	Activity	Response	Destination
1.	User Login	Login	Admin	Check valid username and Password	Opens Dashboard if successfully login	Admin
2.	Register	Add	Admin	Add a new User	Register successfully	Admin
3.	Add new Estimate	Add	Admin	Add a new estimate	One member inserted	Admin
4.	Update Estimate	Update	Admin	Updating the estimate	Updated successfully	Admin
5.	Delete Estimate	Delete	Admin	Deleting the Estimate	Deleted successfully	Admin
6.	Search Estimate	Search	Admin	Searching the Estimate	Search Data	Admin
7.	Print Estimate	Print	Admin	Printing the Estimate	Print	Admin
8.	New staff Added	Add	Admin	Adding the new Staff Member	One Member inserted	Admin
9.	Update Staff Member	Update	Admin	Updating the Staff Member	Updated Successfully	Admin
10.	Delete Staff	Delete	Admin	Deleting the Staff Member	Deleted Successfully	Admin

11.	Search the Staff Member	Search	Admin	Searching the Staff member	Search	Admin

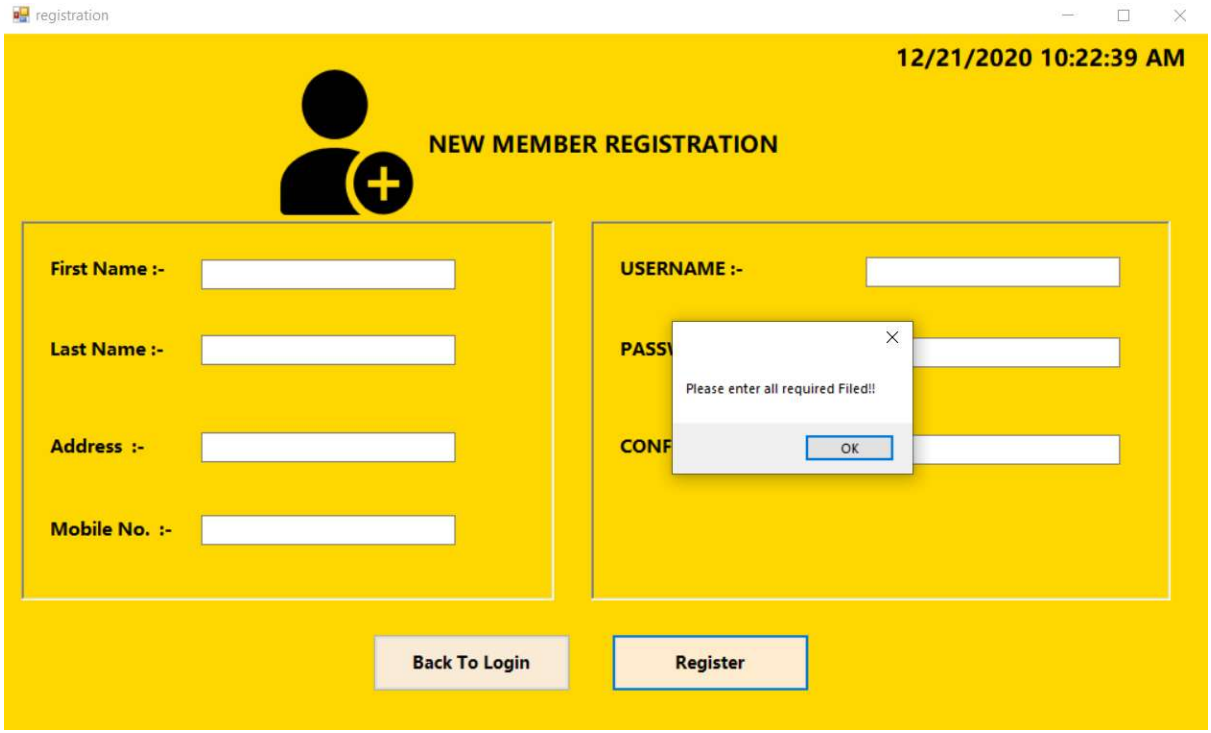
8.VALIDATIONS

If contact length is short

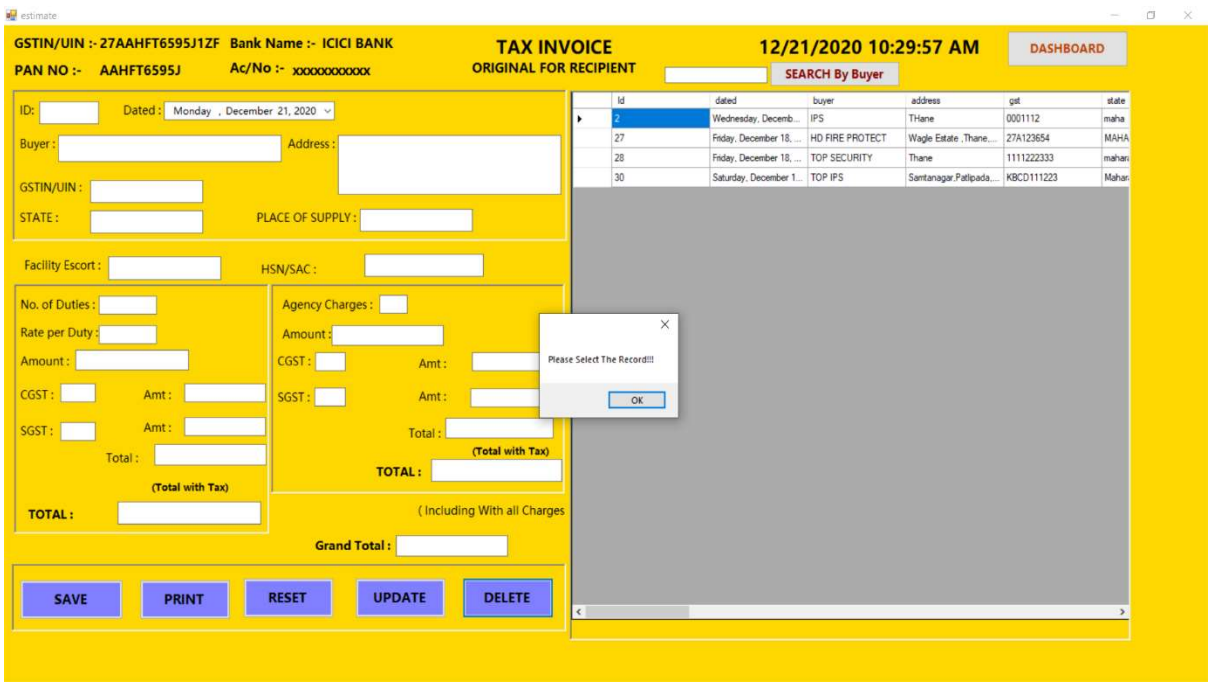




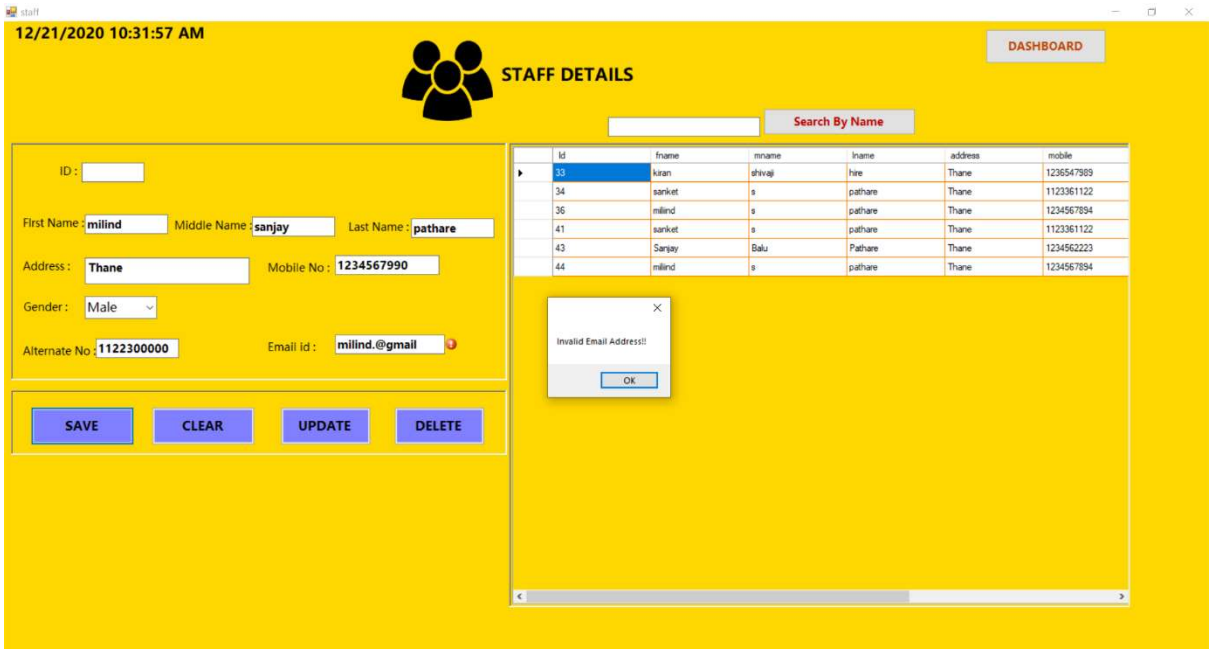
If Save record Empty



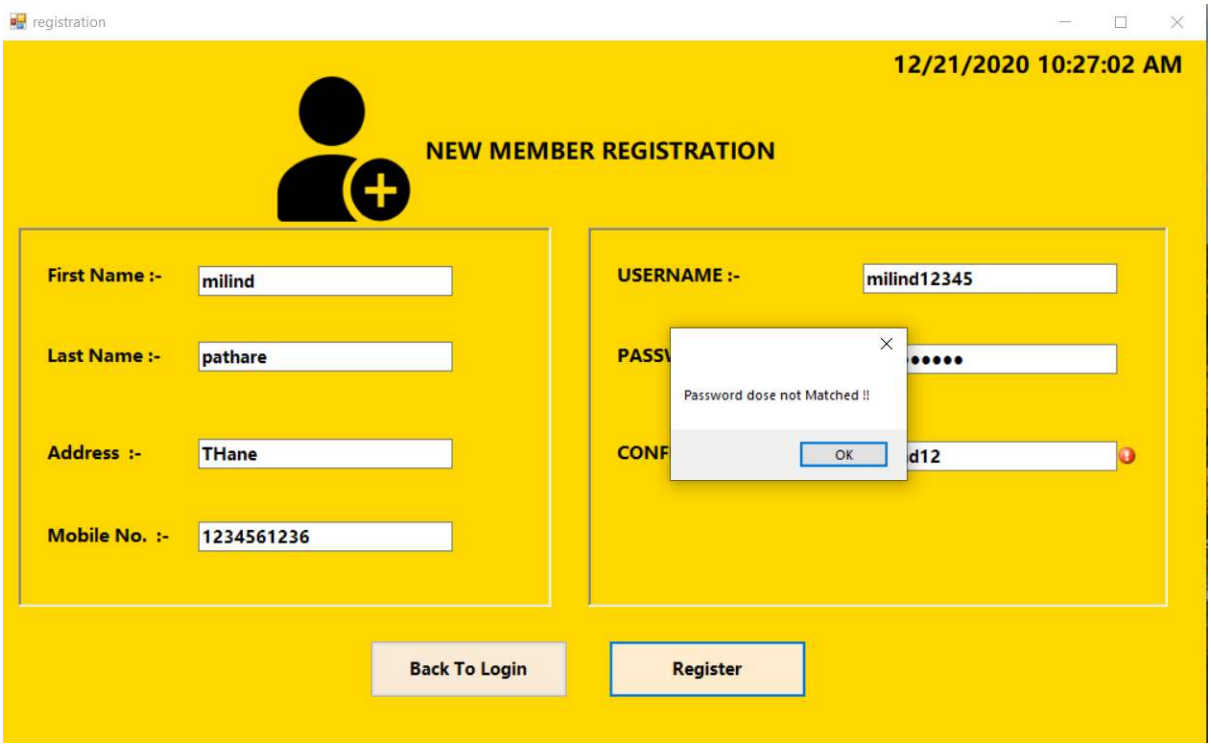
If Update ,Delete, Print the records Empty



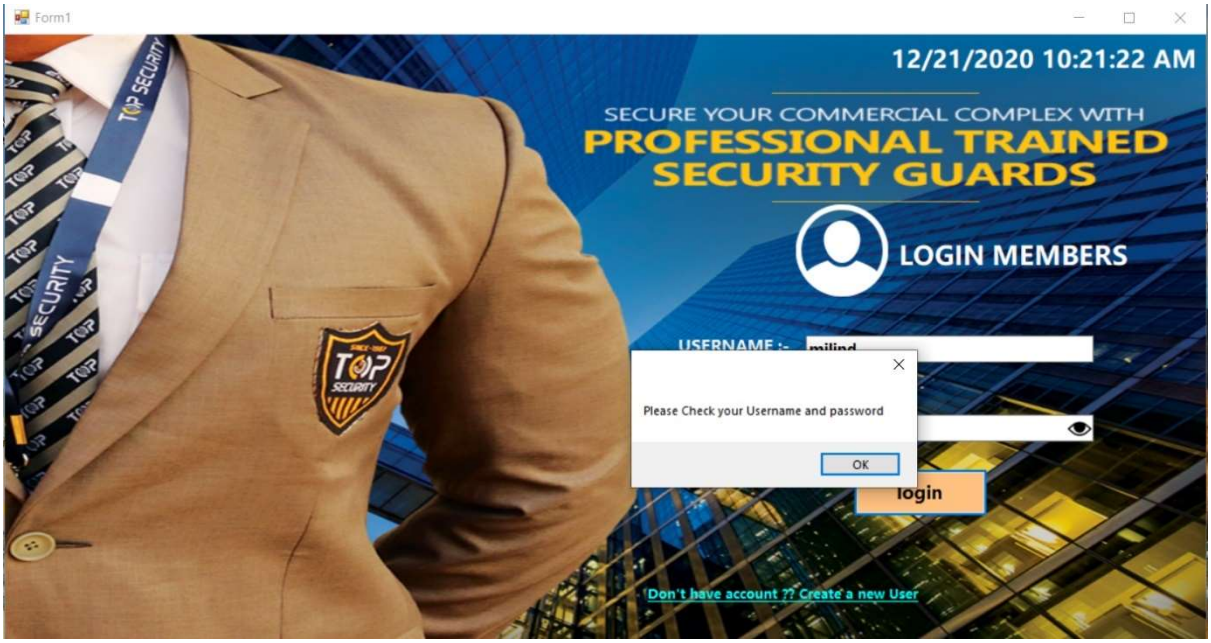
If Email is not in Correct Form



If password and confirm password dose not matched



If Password is not matched



9.PROGRAM LIST

1.Splashscreen.cs
2. Form1.cs
3.registration.cs
4.mainform.cs
5.estimate.cs
6.staff.cs

10.SOURCE CODE

10.1 Code for SplashScreen

```
using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;
```

```
using System.Text;
using System.Windows.Forms;

namespace project
{
   public partial class splashscreen : Form
   {
      public splashscreen()
      {
         InitializeComponent();
      }

      private void timer1_Tick(object sender, EventArgs e)
      {
         progressBar1.Increment(1);
         if (progressBar1.Value >= progressBar1.Maximum)
         {
            timer1.Stop();
            this.Hide();
            Form1 f1 = new Form1();
            f1.Show();

         }
      }
```

```
        private void splashscreen_Load(object sender, EventArgs e)
        {

        }
    }
}
```

10.2 Code for Form1.cs (Login)

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

namespace project
{
    public partial class Form1 : Form
    {
```

```
public Form1()
{
   Thread t = new Thread(new ThreadStart(splashscren));
   t.Start();
   InitializeComponent();
   Thread.Sleep(3000);
   timer1.Start();
   t.Abort();
}
public void splashscren()
{
   Application.Run(new splashscreen());
}

private void Form1_Load(object sender, EventArgs e)
{

}

private void button1_Click(object sender, EventArgs e)
{
   SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
```

```
        SqlDataAdapter sda = new SqlDataAdapter("Select Count(*)
From registration where username ='" + textBox1.Text + "'and
Password ='" + textBox2.Text + "'", con);
        DataTable dt = new DataTable();
        sda.Fill(dt);
        if (dt.Rows[0][0].ToString() == "1")
        {
            MessageBox.Show("Login Successfully !!!");
            this.Hide();
            mainform mf = new mainform();
            mf.Show();
        }
        else
        {
            MessageBox.Show("Please Check your Username and
password");
        }

    }

    private void linkLabel1_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
    {
        registration rg = new registration();
        rg.Show();
```

```
        this.Hide();


    }

    private void Form1_FormClosing(object sender,
FormClosingEventArgs e)
    {
        Application.Exit();
    }

    private void pictureBox5_Click(object sender, EventArgs e)
    {
        if (textBox2.PasswordChar=='*')
        {
            pictureBox6.BringToFront();
            textBox2.PasswordChar = '\0';
        }
    }

    private void pictureBox6_Click(object sender, EventArgs e)
    {
        if (textBox2.PasswordChar == '\0')
        {
            pictureBox5.BringToFront();
```

```
            textBox2.PasswordChar = '*';
        }
    }

    private void timer1_Tick(object sender, EventArgs e)
    {
        DateTime dt = DateTime.Now;
        this.label4.Text = dt.ToString();
    }

    private void textBox2_TextChanged(object sender, EventArgs e)
    {

    }

    private void panel1_Paint(object sender, PaintEventArgs e)
    {

    }
  }
}
```

10.3 Code for registration.cs

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

namespace project
{
   public partial class registration : Form
   {
      public registration()
      {
         InitializeComponent();
      }

      string contact = "^[0-9]{10}$";

      private void button2_Click(object sender, EventArgs e)
```

```
    {
        if (textBox5.Text == "" || textBox7.Text == "" || textBox1.Text
==""|| textBox2.Text == ""||textBox3.Text == ""||textBox4.Text ==
""||textBox8.Text == "")
        {
            MessageBox.Show("Please enter all required Filed!!");
        }
        else if (textBox7.Text != textBox8.Text)
        {
            MessageBox.Show("Password dose not Matched !!");
        }
        else if(Regex.IsMatch(textBox3.Text, contact) == false)
        {
            MessageBox.Show("Invalid Contact!!!");
        }

        else
        {
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
            String query = "insert into registration
(fname,lname,contact,address,username,password) values ('" +
this.textBox1.Text + "','" + this.textBox2.Text + "','" +
```

```
this.textBox3.Text + "','" + this.textBox4.Text + "','" +
this.textBox5.Text + "','" + this.textBox8.Text + "') ;";
            SqlCommand cmd = new SqlCommand(query, con);
            SqlDataReader sdr;
            try
            {
               con.Open();
               sdr = cmd.ExecuteReader();
               MessageBox.Show("Successfully Registerd!!!");
               clear();
               Form1 f1 = new Form1();
               f1.Show();
               this.Hide();
            }

            catch (Exception ex)
            {
               MessageBox.Show(ex.Message);
            }

         }

      }
```

```
    void clear()
    {
        textBox1.Text = textBox2.Text = textBox3.Text = textBox4.Text
= textBox5.Text = textBox7.Text = textBox8.Text = "";
    }

    private void textBox8_TextChanged(object sender, EventArgs e)
    {
        if (textBox7.Text != "" && textBox8.Text == textBox7.Text)
        {


            errorProvider1.SetError(textBox8, "");
        }
        else
        {

            errorProvider1.SetError(textBox8, " password does not
matched.");
        }
    }

    private void button1_Click(object sender, EventArgs e)
    {
```

```
        this.Hide();
        Form1 f1 = new Form1();
        f1.Show();
    }

    private void registration_FormClosing(object sender,
FormClosingEventArgs e)
    {
        Application.Exit();
    }

    private void registration_Load(object sender, EventArgs e)
    {
        timer1.Start();
        textBox1.Focus();
    }

    private void timer1_Tick(object sender, EventArgs e)
    {
        DateTime datetime = DateTime.Now;
        this.label7.Text = datetime.ToString();
    }

    private void textBox3_TextChanged(object sender, EventArgs e)
```

```
        {
            if(Regex.IsMatch(textBox3.Text, contact) == false)
            {
                textBox3.Focus();
                errorProvider2.SetError(this.textBox3, "Invalid Contact");
            }
            else
            {
                errorProvider2.Clear();
            }
        }
    }
}
```

10.4 Code for mainform.cs (dashboard)

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

namespace project
```

```
{
    public partial class mainform : Form
    {
        public mainform()
        {
            InitializeComponent();

            timer1.Start();
        }

        private void mainform_FormClosing(object sender,
FormClosingEventArgs e)
        {
            Application.Exit();
        }

        private void mainform_Load(object sender, EventArgs e)
        {
            CenterToScreen();
            WindowState = FormWindowState.Maximized;
        }

        private void timer1_Tick(object sender, EventArgs e)
        {
```

```
        DateTime datetime = DateTime.Now;
        this.label9.Text = datetime.ToString();
    }

    private void button1_Click(object sender, EventArgs e)
    {
System.Diagnostics.Process.Start("https://www.topsecurity.co.in");
    }

    private void button4_Click(object sender, EventArgs e)
    {
        this.Hide();
        Form1 f1 = new Form1();
        f1.Show();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        this.Hide();
        estimate et = new estimate();
        et.Show();

    }
```

```
        private void button3_Click(object sender, EventArgs e)
        {
            this.Hide();
            staff st = new staff();
            st.Show();
        }

        private void label11_Click(object sender, EventArgs e)
        {

        }
    }
}
```

10.5 Code for estimate.cs

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

```
using System.Data.SqlClient;

namespace project
{
   public partial class estimate : Form
   {
      public estimate()
      {
         InitializeComponent();
         timer1.Start();
      }

      private void estimate_Load(object sender, EventArgs e)
      {// TODO: This line of code loads data into the
'registrationDataSet2.estimate' table. You can move, or remove it, as
needed.

this.estimateTableAdapter1.Fill(this.registrationDataSet2.estimate);
         // TODO: This line of code loads data into the
'registrationDataSet1.estimate' table. You can move, or remove it, as
needed.

this.estimateTableAdapter.Fill(this.registrationDataSet1.estimate);
         CenterToScreen();
         WindowState = FormWindowState.Maximized;
```

```
            textBox3.Focus();


        }
        private void textBox13_TextChanged(object sender, EventArgs
e)
        {
            if (textBox10.Text != "" || textBox13.Text != "")
            {
                textBox14.Text = (double.Parse(textBox10.Text) *
double.Parse(textBox13.Text) / 100).ToString();
            }




        }
        private void textBox14_TextChanged(object sender, EventArgs
e)
        {
            if (textBox14.Text != "" || textBox12.Text != "")
            {
                textBox15.Text = (double.Parse(textBox12.Text) +
double.Parse(textBox14.Text)).ToString();
            }
        }
        private void textBox9_TextChanged(object sender, EventArgs e)
        {
```

```
        if (textBox8.Text != "" || textBox9.Text != "")
        {
            textBox10.Text = (double.Parse(textBox8.Text) *
double.Parse(textBox9.Text)).ToString();
        }

    }

    private void textBox11_TextChanged(object sender, EventArgs
e)
    {
        if (textBox10.Text != "" || textBox11.Text != "")
        {
            textBox12.Text = (double.Parse(textBox10.Text) *
double.Parse(textBox11.Text) / 100).ToString();
        }

  }

    private void textBox15_TextChanged(object sender, EventArgs
e)
    {
        if (textBox15.Text != "" || textBox10.Text != "")
        {
```

```
            textBox16.Text = (double.Parse(textBox15.Text) +
double.Parse(textBox10.Text)).ToString();
        }


    }
    private void textBox17_TextChanged(object sender, EventArgs
e)
    {
        if (textBox10.Text != "" || textBox17.Text != "")
        {
            textBox18.Text = (double.Parse(textBox10.Text) *
double.Parse(textBox17.Text) / 100).ToString();
        }
    }


    private void textBox19_TextChanged(object sender, EventArgs
e)
    {
        if (textBox18.Text != "" || textBox19.Text != "")
        {
            textBox20.Text = (double.Parse(textBox18.Text) *
double.Parse(textBox19.Text) / 100).ToString();
        }
    }
```

```
    private void textBox21_TextChanged(object sender, EventArgs
e)
    {
        if (textBox18.Text != "" || textBox21.Text != "")
        {
            textBox22.Text = (double.Parse(textBox18.Text) *
double.Parse(textBox21.Text) / 100).ToString();
        }
    }


    private void textBox22_TextChanged(object sender, EventArgs
e)
    {
        if (textBox20.Text != "" || textBox22.Text != "")
        {
            textBox23.Text = (double.Parse(textBox20.Text) +
double.Parse(textBox22.Text)).ToString();
        }
    }


    private void textBox23_TextChanged(object sender, EventArgs
e)
    {
        if (textBox18.Text != "" || textBox23.Text != "")
```

```
        {
            textBox24.Text = (double.Parse(textBox18.Text) +
double.Parse(textBox23.Text)).ToString();
        }
    }

    private void textBox24_TextChanged(object sender, EventArgs
e)
    {
        if (textBox16.Text != "" || textBox24.Text != "")
        {
            textBox25.Text = (double.Parse(textBox16.Text) +
double.Parse(textBox24.Text)).ToString();
        }
    }
    private void button4_Click(object sender, EventArgs e)
    {
        this.Hide();
        mainform mf = new mainform();
        mf.Show();
    }
    private void estimate_FormClosing(object sender,
FormClosingEventArgs e)
    {
        Application.Exit();
```

```
    }

    private void timer1_Tick(object sender, EventArgs e)
    {
        DateTime dt = DateTime.Now;
        this.label34.Text = dt.ToString();

    }

    public void disp_data()
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
        con.Open();
        String query = "select * from estimate";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        DataTable dt = new DataTable();
        SqlDataAdapter sda = new SqlDataAdapter(cmd);
        sda.Fill(dt);
        dataGridView1.DataSource = dt;
        con.Close();
    }
```

```
    private void button1_Click(object sender, EventArgs e)
    {
        if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text
== "" || textBox6.Text == "" || textBox7.Text == "" ||
textBox8.Text==""|| textBox9.Text==""|| textBox10.Text == ""||
textBox11.Text == ""||textBox12.Text == ""|| textBox13.Text == ""||
textBox14.Text == ""|| textBox15.Text == ""|| textBox16.Text ==
""|| textBox17.Text == ""|| textBox18.Text == ""|| textBox19.Text
== ""|| textBox20.Text == ""|| textBox21.Text == ""||
textBox22.Text == ""||textBox23.Text == ""|| textBox24.Text == ""||
textBox25.Text == ""|| textBox26.Text == ""|| textBox27.Text == "")
        {
            MessageBox.Show("Please Enter the all Required field!!!");
        }
        else
        {
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
            con.Open();
            string query = "insert into
estimate(dated,buyer,address,gst,state,place,facility,hsn,duty,rate,a
mount,cgst,cgstamount,sgst,sgstmaount,totalcgstsgst,total1,agency,
agencyamount,cgstagnecy,cgstamountagency,sgstagency,sgstamoun
tagency,totalagencygst,totalagency,grandtotal) VALUES ('" +
this.dateTimePicker1.Text + "','" + this.textBox3.Text + "','" +
this.textBox4.Text + "','" + this.textBox5.Text + "','" +
```

```
this.textBox26.Text + "','" + this.textBox27.Text + "','" +
this.textBox6.Text + "','" + this.textBox7.Text + "','" +
this.textBox8.Text + "','" + this.textBox9.Text + "','" +
this.textBox10.Text + "','" + this.textBox11.Text + "','" +
this.textBox12.Text + "','" + this.textBox13.Text + "','" +
this.textBox14.Text + "','" + this.textBox15.Text + "','" +
this.textBox16.Text + "','" + this.textBox17.Text + "','" +
this.textBox18.Text + "','" + this.textBox19.Text + "','" +
this.textBox20.Text + "','" + this.textBox21.Text + "','" +
this.textBox22.Text + "','" + this.textBox23.Text + "','" +
this.textBox24.Text + "','" + this.textBox25.Text + "');";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            disp_data();
            con.Close();
            MessageBox.Show("One Data is Saved!!");
            textBox2.Clear();
            textBox3.Clear();
            textBox4.Clear();
            textBox5.Clear();
            textBox6.Clear();
            textBox7.Clear();
            textBox8.Clear();
            textBox9.Clear();
            textBox10.Clear();
            textBox11.Clear();
            textBox12.Clear();
```

```
            textBox13.Clear();
            textBox14.Clear();
            textBox15.Clear();
            textBox16.Clear();
            textBox17.Clear();
            textBox18.Clear();
            textBox19.Clear();
            textBox20.Clear();
            textBox21.Clear();
            textBox22.Clear();
            textBox23.Clear();
            textBox24.Clear();
            textBox25.Clear();
            textBox26.Clear();
            textBox27.Clear();
            dateTimePicker1.Text = "";
        }
    }
    int rowindex;
    private void dataGridView1_CellClick(object sender,
DataGridViewCellEventArgs e)
    {
        try
        {
```

```
rowindex = e.RowIndex;
DataGridViewRow row = dataGridView1.Rows[rowindex];
textBox2.Text = row.Cells[0].Value.ToString();
dateTimePicker1.Text = row.Cells[1].Value.ToString();
textBox3.Text = row.Cells[2].Value.ToString();
textBox4.Text = row.Cells[3].Value.ToString();
textBox5.Text = row.Cells[4].Value.ToString();
textBox26.Text = row.Cells[5].Value.ToString();
textBox27.Text = row.Cells[6].Value.ToString();
textBox6.Text = row.Cells[7].Value.ToString();
textBox7.Text = row.Cells[8].Value.ToString();
textBox8.Text = row.Cells[9].Value.ToString();
textBox9.Text = row.Cells[10].Value.ToString();
textBox10.Text = row.Cells[11].Value.ToString();
textBox11.Text = row.Cells[12].Value.ToString();
textBox12.Text = row.Cells[13].Value.ToString();
textBox13.Text = row.Cells[14].Value.ToString();
textBox14.Text = row.Cells[15].Value.ToString();
textBox15.Text = row.Cells[16].Value.ToString();
textBox16.Text = row.Cells[17].Value.ToString();
textBox17.Text = row.Cells[18].Value.ToString();
textBox18.Text = row.Cells[19].Value.ToString();
textBox19.Text = row.Cells[20].Value.ToString();
textBox20.Text = row.Cells[21].Value.ToString();
```

```
            textBox21.Text = row.Cells[22].Value.ToString();
            textBox22.Text = row.Cells[23].Value.ToString();
            textBox23.Text = row.Cells[24].Value.ToString();
            textBox24.Text = row.Cells[25].Value.ToString();
            textBox25.Text = row.Cells[26].Value.ToString();



        }
        catch (Exception ex)
        {
            MessageBox.Show(ex.Message);
        }
    }
    private void button3_Click_1(object sender, EventArgs e)
    {
        textBox2.Clear();
        textBox3.Clear();
        textBox4.Clear();
        textBox5.Clear();
        textBox6.Clear();
        textBox7.Clear();
        textBox8.Clear();
        textBox9.Clear();
        textBox10.Clear();
```

```
            textBox11.Clear();
            textBox12.Clear();
            textBox13.Clear();
            textBox14.Clear();
            textBox15.Clear();
            textBox16.Clear();
            textBox17.Clear();
            textBox18.Clear();
            textBox19.Clear();
            textBox20.Clear();
            textBox21.Clear();
            textBox22.Clear();
            textBox23.Clear();
            textBox24.Clear();
            textBox25.Clear();
            textBox26.Clear();
            textBox27.Clear();
            dateTimePicker1.Text = "";
        }

        private void button2_Click(object sender, EventArgs e)
        {
            if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text
== "" || textBox6.Text == "" || textBox7.Text == "" || textBox8.Text
```

```
== "" || textBox9.Text == "" || textBox10.Text == "" ||
textBox11.Text == "" || textBox12.Text == "" || textBox13.Text == ""
|| textBox14.Text == "" || textBox15.Text == "" || textBox16.Text ==
"" || textBox17.Text == "" || textBox18.Text == "" || textBox19.Text
== "" || textBox20.Text == "" || textBox21.Text == "" ||
textBox22.Text == "" || textBox23.Text == "" || textBox24.Text == ""
|| textBox25.Text == "" || textBox26.Text == "" || textBox27.Text ==
"")
        {
            MessageBox.Show("Please Select The Record!!!");
        }
        else
        {
            printDialog1.Document = printDocument1;
            DialogResult result = printDialog1.ShowDialog();
            if (result == DialogResult.OK)
            {
                printDocument1.Print();
            }
        }
    }

    private void printDocument1_PrintPage(object sender,
System.Drawing.Printing.PrintPageEventArgs e)
    {
        Bitmap bmp = Properties.Resources.toptax2;
```

```
        Image image = bmp;
        e.Graphics.DrawImage(image, 1, 1, image.Width,
image.Height);

e.Graphics.DrawString("==================================
==================================" , new Font("Arial", 13,
FontStyle.Bold), Brushes.Black, new Point(25, 290));
        e.Graphics.DrawString("BUYER NAME :- " + textBox3.Text, new
Font("Arial", 13, FontStyle.Regular), Brushes.Black, new Point(25,
350));
        e.Graphics.DrawString("BUYER ADDRESS :- " + textBox4.Text,
new Font("Arial", 13, FontStyle.Regular), Brushes.Black, new
Point(25, 380));
        e.Graphics.DrawString(""+ DateTime.Now, new Font("Arial",
13, FontStyle.Bold), Brushes.Black, new Point(600, 320));
        e.Graphics.DrawString("GSTIN/UIN :-" + textBox5.Text, new
Font("Arial", 13, FontStyle.Regular), Brushes.Black, new Point(25,
410));
        e.Graphics.DrawString("Place of supply :- " + textBox27.Text,
new Font("Arial", 13, FontStyle.Regular), Brushes.Black, new
Point(550, 410));

e.Graphics.DrawString("_____
_____", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(25, 430));

        e.Graphics.DrawString("Facility", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(25, 460));
```

```
        e.Graphics.DrawString("HSN/SAC", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(200, 460));

        e.Graphics.DrawString("No.of Duty", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(350, 460));

        e.Graphics.DrawString("Rate/Duty(Rs.)", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(480, 460));

        e.Graphics.DrawString("Amount(Rs.)", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(650, 460));


        e.Graphics.DrawString(""+textBox6.Text, new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(25, 490));

        e.Graphics.DrawString(""+textBox7.Text, new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(200, 490));

        e.Graphics.DrawString(""+textBox8.Text, new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(350, 490));

        e.Graphics.DrawString(""+textBox9.Text, new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(480, 490));

        e.Graphics.DrawString(""+textBox10.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(650, 490));


        e.Graphics.DrawString("Agency Charges", new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(25, 530));

        e.Graphics.DrawString(textBox17.Text+"%", new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(480, 530));

        e.Graphics.DrawString(""+textBox18.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(650, 530));
```

```
e.Graphics.DrawString("_____
_____", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(25, 750));


        e.Graphics.DrawString("Taxable Value", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(25, 800));

        e.Graphics.DrawString("CGST", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(200, 800));

        e.Graphics.DrawString("SGST", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(360, 800));

        e.Graphics.DrawString("TOTAL", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(520, 800));



        e.Graphics.DrawString("Rate | Amount", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(170, 830));

        e.Graphics.DrawString("Rate | Amount", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(350, 830));


        e.Graphics.DrawString(""+textBox10.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(25, 860));

        e.Graphics.DrawString(textBox11.Text+"%", new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(170, 860));

        e.Graphics.DrawString(""+textBox12.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(230, 860));
```

```
        e.Graphics.DrawString(textBox13.Text +"%", new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(350, 860));

        e.Graphics.DrawString(""+textBox14.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(400, 860));

        e.Graphics.DrawString(""+textBox15.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(520, 860));


        e.Graphics.DrawString("" + textBox18.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(25, 890));

        e.Graphics.DrawString(textBox19.Text+"%", new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(170, 890));

        e.Graphics.DrawString("" + textBox20.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(230, 890));


        e.Graphics.DrawString(textBox21.Text+"%", new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(350, 890));

        e.Graphics.DrawString("" + textBox22.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(400, 890));

        e.Graphics.DrawString("" + textBox23.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(520, 890));


        e.Graphics.DrawString("" + textBox16.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(650, 860));

        e.Graphics.DrawString("" + textBox24.Text, new Font("Arial",
13, FontStyle.Regular), Brushes.Black, new Point(650, 890));
```

```
e.Graphics.DrawString("_____
_____", new Font("Arial", 13,
FontStyle.Regular), Brushes.Black, new Point(25, 930));


        e.Graphics.DrawString("GRAND TOTAL :   "+textBox25.Text,
new Font("Arial", 13, FontStyle.Bold), Brushes.Black, new Point(490,
960));


        e.Graphics.DrawString("Authorised signature ", new
Font("Arial", 13, FontStyle.Regular), Brushes.Black, new Point(520,
1090));



    }


    private void button5_Click(object sender, EventArgs e)
    {
        if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text
== "" || textBox6.Text == "" || textBox7.Text == "" || textBox8.Text
== "" || textBox9.Text == "" || textBox10.Text == "" ||
textBox11.Text == "" || textBox12.Text == "" || textBox13.Text == ""
|| textBox14.Text == "" || textBox15.Text == "" || textBox16.Text ==
"" || textBox17.Text == "" || textBox18.Text == "" || textBox19.Text
== "" || textBox20.Text == "" || textBox21.Text == "" ||
textBox22.Text == "" || textBox23.Text == "" || textBox24.Text == ""
|| textBox25.Text == "" || textBox26.Text == "" || textBox27.Text ==
"")
```

```
        {
            MessageBox.Show("Please Select The Record!!!");
        }
        else
        {
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
            con.Open();
            String query = "delete from estimate where buyer ='" +
textBox3.Text + "'";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            DataTable dt = new DataTable();
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            sda.Fill(dt);
            dataGridView1.DataSource = dt;
            disp_data();
            con.Close();
            MessageBox.Show("Record Deleted Successfully!!");
            textBox2.Clear();
            textBox3.Clear();
            textBox4.Clear();
            textBox5.Clear();
```

```
        textBox6.Clear();
        textBox7.Clear();
        textBox8.Clear();
        textBox9.Clear();
        textBox10.Clear();
        textBox11.Clear();
        textBox12.Clear();
        textBox13.Clear();
        textBox14.Clear();
        textBox15.Clear();
        textBox16.Clear();
        textBox17.Clear();
        textBox18.Clear();
        textBox19.Clear();
        textBox20.Clear();
        textBox21.Clear();
        textBox22.Clear();
        textBox23.Clear();
        textBox24.Clear();
        textBox25.Clear();
        textBox26.Clear();
        textBox27.Clear();
        dateTimePicker1.Text = "";
    }
```

```
        }

        private void button6_Click(object sender, EventArgs e)
        {
            if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text
== "" || textBox6.Text == "" || textBox7.Text == "" || textBox8.Text
== "" || textBox9.Text == "" || textBox10.Text == "" ||
textBox11.Text == "" || textBox12.Text == "" || textBox13.Text == ""
|| textBox14.Text == "" || textBox15.Text == "" || textBox16.Text ==
"" || textBox17.Text == "" || textBox18.Text == "" || textBox19.Text
== "" || textBox20.Text == "" || textBox21.Text == "" ||
textBox22.Text == "" || textBox23.Text == "" || textBox24.Text == ""
|| textBox25.Text == "" || textBox26.Text == "" || textBox27.Text ==
"")
            {
                MessageBox.Show("Please Select The Record!!!");
            }
            else
            {
                SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
                con.Open();
                String query = "update estimate SET buyer='" +
this.textBox3.Text + "',dated='" + this.dateTimePicker1.Text +
"',address='" + this.textBox4.Text + "',gst='" + this.textBox5.Text +
```

```
"',state='" + this.textBox26.Text + "',place='" +
this.textBox27.Text+"',facility='" + this.textBox6.Text + "',hsn='" +
this.textBox7.Text +
"',duty='"+this.textBox8.Text+"',rate='"+this.textBox9.Text+"',amoun
t='"+this.textBox10.Text+"',cgst='"+this.textBox11.Text+"',cgstamoun
t='"+this.textBox12.Text+"',sgst='"+this.textBox13.Text+"',sgstmaoun
t='"+this.textBox14.Text+"',totalcgstsgst='"+this.textBox15.Text+"',to
tal1='"+this.textBox16.Text+"',agency='"+this.textBox17.Text+"',agen
cyamount='"+this.textBox18.Text+"',cgstagnecy='"+this.textBox19.Te
xt+"',cgstamountagency='"+this.textBox20.Text+"',sgstagency='"+this
.textBox21.Text+"',sgstamountagency='"+this.textBox22.Text+"',total
agencygst='"+this.textBox23.Text+"',totalagency='"+this.textBox24.T
ext+"',grandtotal='"+this.textBox25.Text+"' where id='" +
this.textBox2.Text + "' ;";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            DataTable dt = new DataTable();
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            sda.Fill(dt);
            dataGridView1.DataSource = dt;
            disp_data();
            con.Close();
            MessageBox.Show("Record updated Successfully!!");
            textBox2.Clear();
            textBox3.Clear();
            textBox4.Clear();
            textBox5.Clear();
```

```
textBox6.Clear();
textBox7.Clear();
textBox8.Clear();
textBox9.Clear();
textBox10.Clear();
textBox11.Clear();
textBox12.Clear();
textBox13.Clear();
textBox14.Clear();
textBox15.Clear();
textBox16.Clear();
textBox17.Clear();
textBox18.Clear();
textBox19.Clear();
textBox20.Clear();
textBox21.Clear();
textBox22.Clear();
textBox23.Clear();
textBox24.Clear();
textBox25.Clear();
textBox26.Clear();
textBox27.Clear();
dateTimePicker1.Text = "";
```

```
        }
    }

    private void textBox3_TextChanged(object sender, EventArgs e)
    {

    }

    private void textBox1_TextChanged(object sender, EventArgs e)
    {

    }
    public void searchData(string valueToSearch)
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
        con.Open();
        string query = "SELECT * FROM estimate WHERE buyer like '%"
+ valueToSearch + "%'";
        SqlCommand cmd = new SqlCommand(query, con);
        SqlDataAdapter sda = new SqlDataAdapter(cmd);
        DataTable dt = new DataTable();
        sda.Fill(dt);
```

```
            dataGridView1.DataSource = dt;
        }

        private void button7_Click(object sender, EventArgs e)
        {
            string ValueToSearch = textBox1.Text.ToString();
            searchData(ValueToSearch);

        }
    }
}
```

10.6 Code for staff.cs

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

```
namespace project
{
    public partial class staff : Form
    {
        public staff()
        {
            InitializeComponent();
            timer1.Start();
        }
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
        public void clear()
        {
            textBox2.Clear();
            textBox3.Clear();
            textBox4.Clear();
            textBox5.Clear();
            textBox6.Clear();
            textBox7.Clear();
            textBox8.Clear();
            textBox9.Clear();
            comboBox1.Text = "select";
```

```
        }

        private void panel1_Paint(object sender, PaintEventArgs e)
        {

        }

        private void button1_Click(object sender, EventArgs e)
        {
            string email = "^([0-9a-zA-Z]([-\\.\\w]*[0-9a-zA-Z])*@([0-9a-zA-Z][-\\w]*[0-9a-zA-Z]\\.)+[a-zA-Z]{2,9})$";
            string contact = "^[0-9]{10}$";


            if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text == "" || textBox6.Text == "" || textBox7.Text == "" || comboBox1.Text == "")
            {
                MessageBox.Show("Please Enter the all Required field!!!");
            }
            else if(Regex.IsMatch(textBox9.Text, email) == false)
            {
                MessageBox.Show("Invalid Email Address!!");
            }
            else if(Regex.IsMatch(textBox7.Text,contact)== false)
```

```
        {
            MessageBox.Show("Invalid Contact!!!");
        }
        else if (Regex.IsMatch(textBox8.Text, contact) == false)
        {
            MessageBox.Show("Invalid Alternate Contact!!!");
        }

        else
        {
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
            con.Open();
            String query = "insert into staff
(fname,mname,lname,address,mobile,gender,alternate,emailid)
VALUES ( '" + this.textBox3.Text + "','" + this.textBox4.Text + "','" +
this.textBox5.Text + "','" + this.textBox6.Text + "','" +
this.textBox7.Text + "','" + this.comboBox1.Text + "','" +
this.textBox8.Text + "','" + this.textBox9.Text + "');";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            disp_data();
            con.Close();
            MessageBox.Show("One Member Inserted!!");
```

```
            clear();
        }
    }

    public void disp_data()
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
        con.Open();
        String query = "select * from staff";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        DataTable dt = new DataTable();
        SqlDataAdapter sda = new SqlDataAdapter(cmd);
        sda.Fill(dt);
        dataGridView1.DataSource = dt;
        con.Close();
    }

    private void button4_Click(object sender, EventArgs e)
    {
        this.Hide();
        mainform mf = new mainform();
```

```
            mf.Show();
        }

        private void textBox9_TextChanged(object sender, EventArgs e)
        {
            string email = "^([0-9a-zA-Z]([-\\.\\w]*[0-9a-zA-Z])*@([0-9a-
zA-Z][-\\w]*[0-9a-zA-Z]\\.)+[a-zA-Z]{2,9})$";
            if (Regex.IsMatch(textBox9.Text, email) == false)
            {
                textBox9.Focus();
                errorProvider1.SetError(this.textBox9, "Invalid email");
            }
            else
            {
                errorProvider1.Clear();
            }

        }

        private void staff_Load(object sender, EventArgs e)
        {

            this.staffTableAdapter.Fill(this.registrationDataSet.staff);
            CenterToScreen();
```

```
        WindowState = FormWindowState.Maximized;
        disp_data();
        textBox3.Focus();
    }



    private void label11_Click(object sender, EventArgs e)
    {

    }

    private void button5_Click(object sender, EventArgs e)
    {
        clear();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text
== "" || textBox6.Text == "" || textBox7.Text == "" ||
comboBox1.Text == "" )
        {
            MessageBox.Show("Please Select the Record!!!");
```

```
        }
        else
        {

            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
            con.Open();
            String query = "delete from staff where fname ='" +
textBox3.Text + "'";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            DataTable dt = new DataTable();
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            sda.Fill(dt);
            dataGridView1.DataSource = dt;
            disp_data();
            con.Close();
            MessageBox.Show("Record Deleted Successfully!!");
        }
        clear();

    }
```

```
        private void button2_Click(object sender, EventArgs e)
        {
            if (textBox3.Text == "" || textBox4.Text == "" || textBox5.Text
== "" || textBox6.Text == "" || textBox7.Text == "")
            {
                MessageBox.Show("Fill The Required Field!!!");
            }
            else
            {
                SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
                con.Open();
                String query = "update staff SET fname='" +
this.textBox3.Text + "',mname='" + this.textBox4.Text + "',lname='" +
this.textBox5.Text + "',address='" + textBox6.Text + "',mobile='" +
this.textBox7.Text + "',gender='" + this.comboBox1.Text +
"',alternate='" + this.textBox8.Text + "',emailid='" +
this.textBox9.Text + "' where Id='" + this.textBox2.Text + "' ;";
                SqlCommand cmd = new SqlCommand(query, con);
                cmd.ExecuteNonQuery();
                DataTable dt = new DataTable();
                SqlDataAdapter sda = new SqlDataAdapter(cmd);
                sda.Fill(dt);
                dataGridView1.DataSource = dt;
```

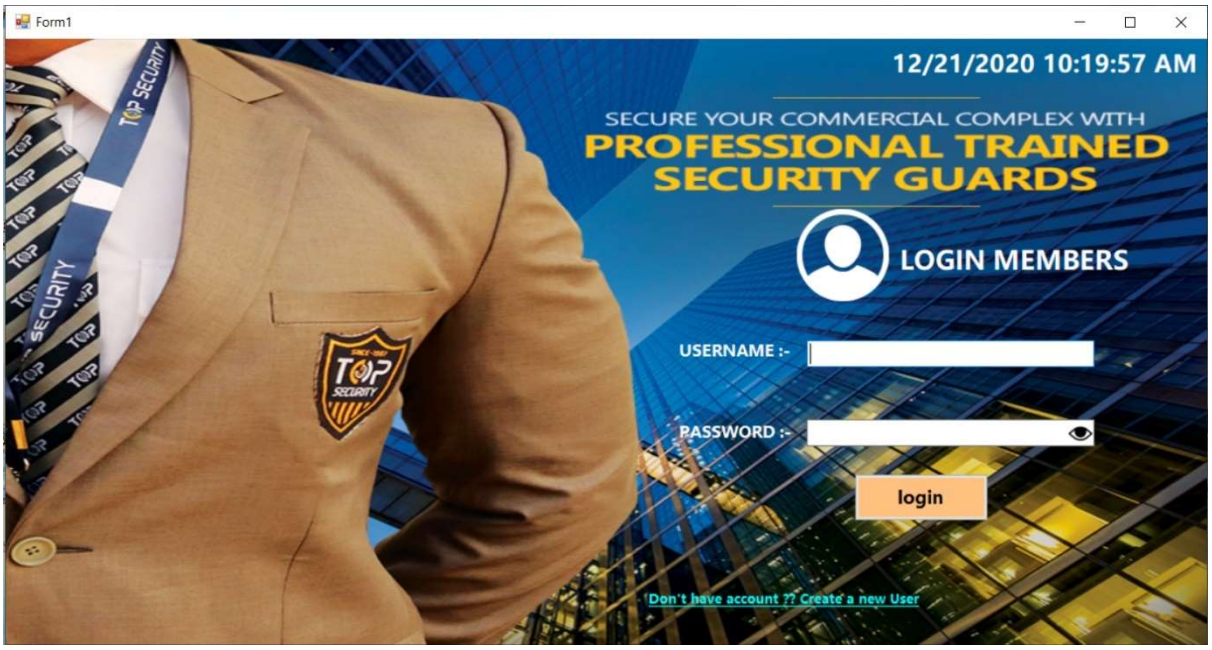
```
            disp_data();
            con.Close();
            MessageBox.Show("Record updated Successfully!!");
        }
        clear();
    }
    int indexRow;
    private void dataGridView1_CellClick(object sender,
DataGridViewCellEventArgs e)
    {
        try
        {
            indexRow = e.RowIndex;
            DataGridViewRow row = dataGridView1.Rows[indexRow];
            textBox2.Text = row.Cells[0].Value.ToString();
            textBox3.Text = row.Cells[1].Value.ToString();
            textBox4.Text = row.Cells[2].Value.ToString();
            textBox5.Text = row.Cells[3].Value.ToString();
            textBox6.Text = row.Cells[4].Value.ToString();
            textBox7.Text = row.Cells[5].Value.ToString();
            comboBox1.Text = row.Cells[6].Value.ToString();
            textBox8.Text = row.Cells[7].Value.ToString();
            textBox9.Text = row.Cells[8].Value.ToString();
        }
```

```
            catch(Exception ex)
            {
                MessageBox.Show(ex.Message);
            }
        }
        private void textBox2_TextChanged(object sender, EventArgs e)
        {

        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            DateTime datetime = DateTime.Now;
            this.label12.Text = datetime.ToString();
        }

        private void staff_FormClosing(object sender,
FormClosingEventArgs e)
        {
            Application.Exit();
        }

        private void button6_Click(object sender, EventArgs e)
        {
```

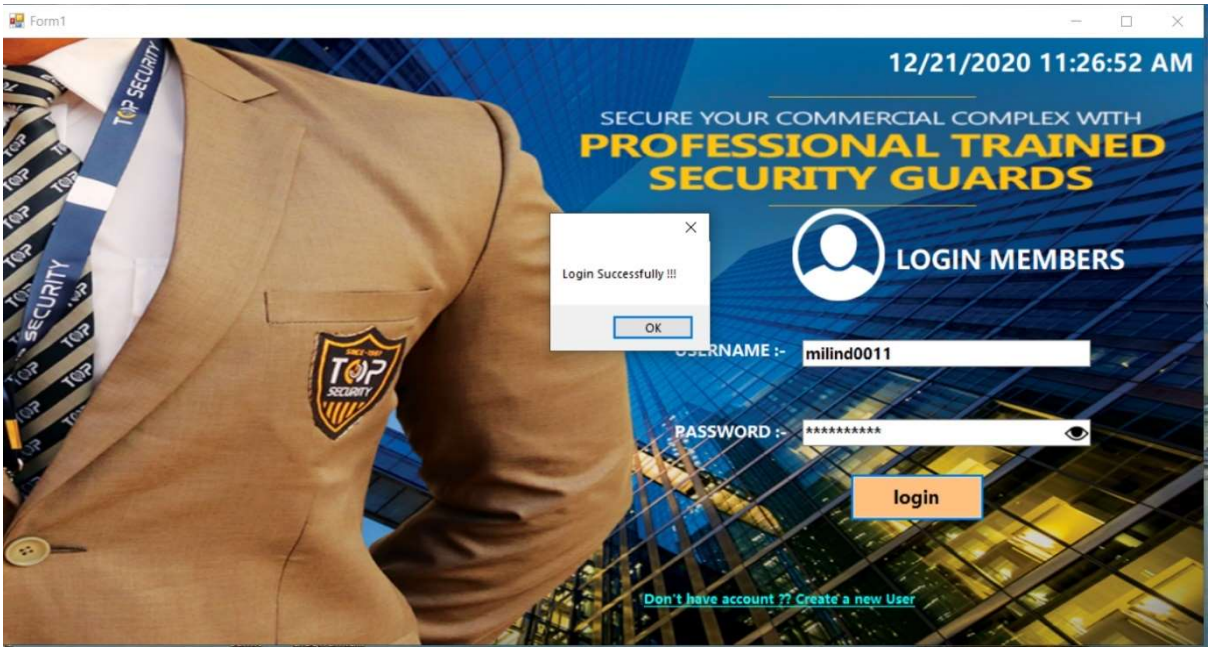
```
            string ValueToSearch = textBox1.Text.ToString();
            searchData(ValueToSearch);
        }
        public void searchData(string valueToSearch)
        {
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\milin\
source\repos\project\project\registration.mdf;Integrated
Security=True");
            con.Open();
            string query = "SELECT * FROM staff WHERE fname like '%" +
valueToSearch + "%'";
            SqlCommand cmd = new SqlCommand(query, con);
            SqlDataAdapter sda = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            dataGridView1.DataSource = dt;
        }

        private void textBox8_TextChanged(object sender, EventArgs e)
        {

        }
    }
}
```

11.RESULT

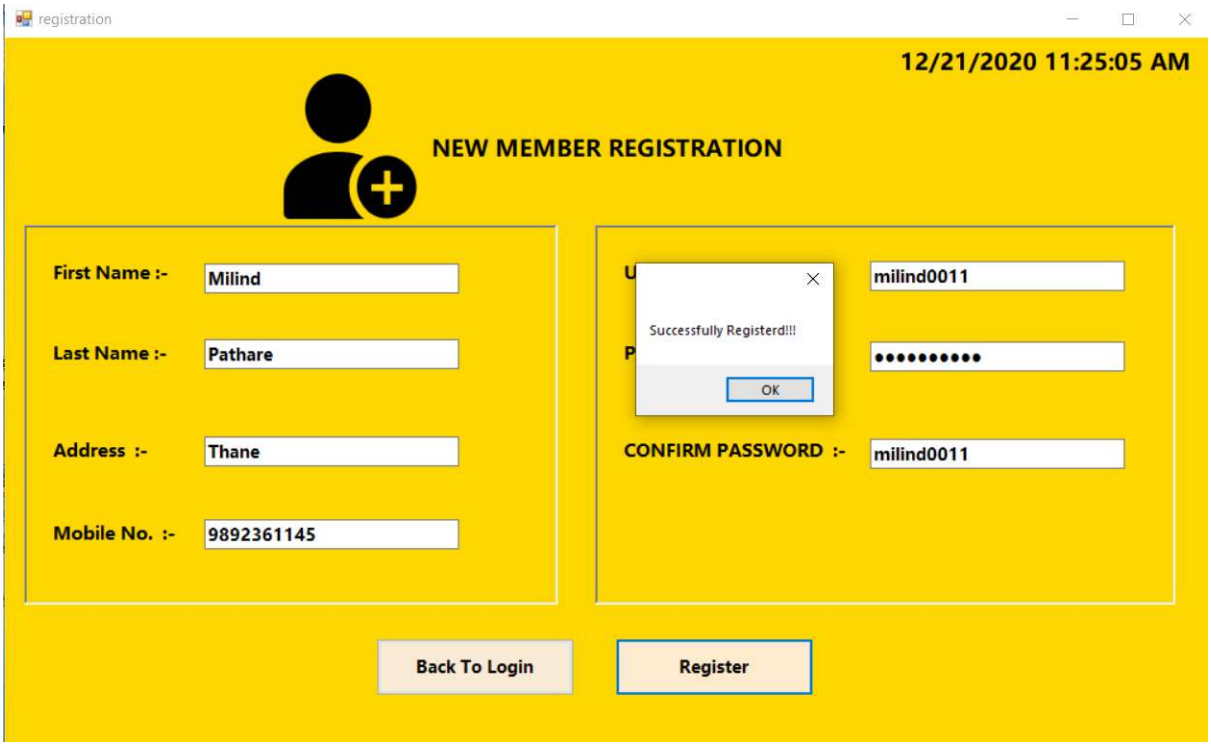
Login Page



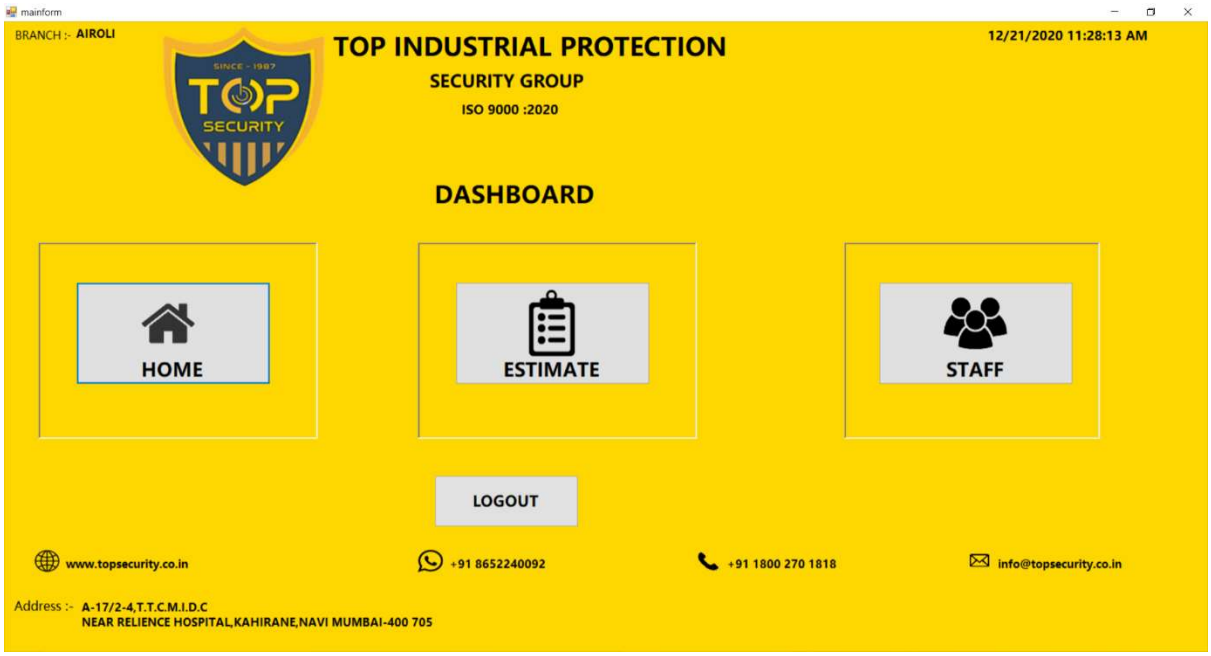
If username and password is correct



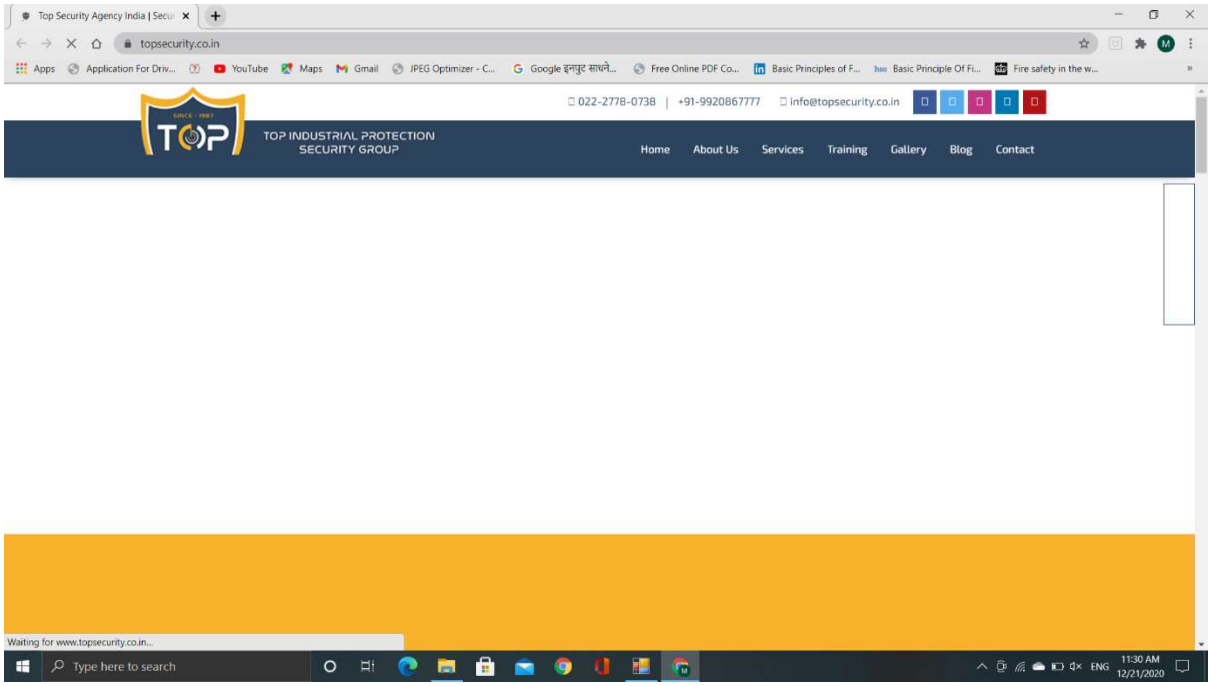
Registration Window



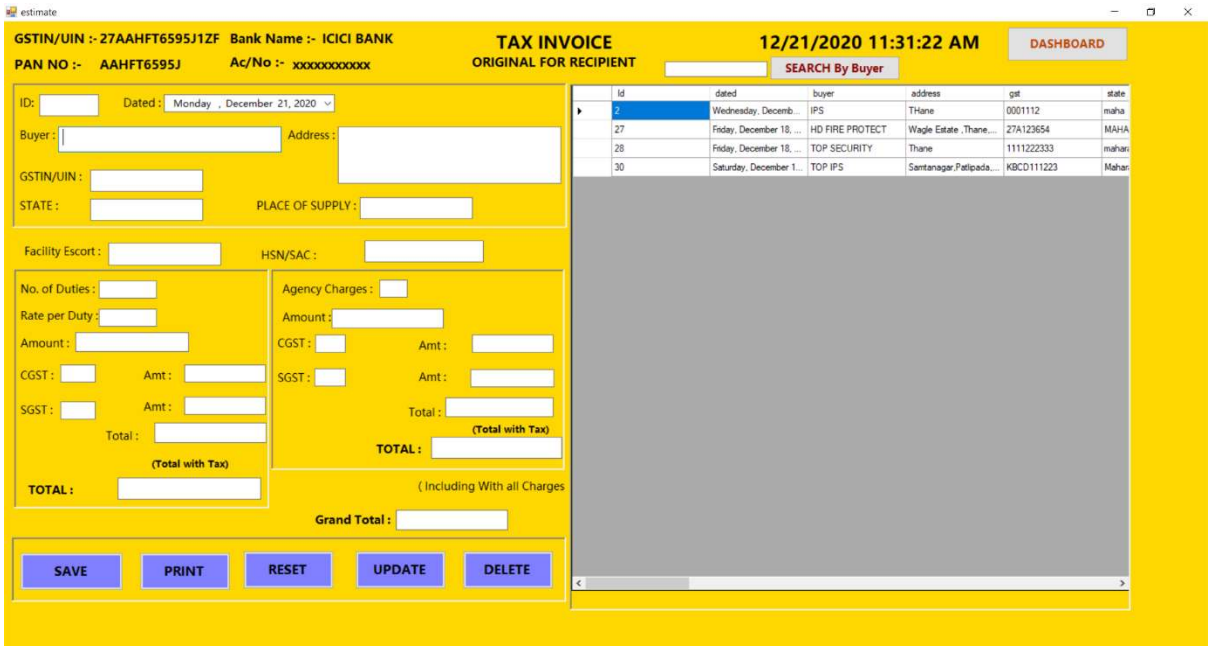
After Successfully Login ,dashboard window will display



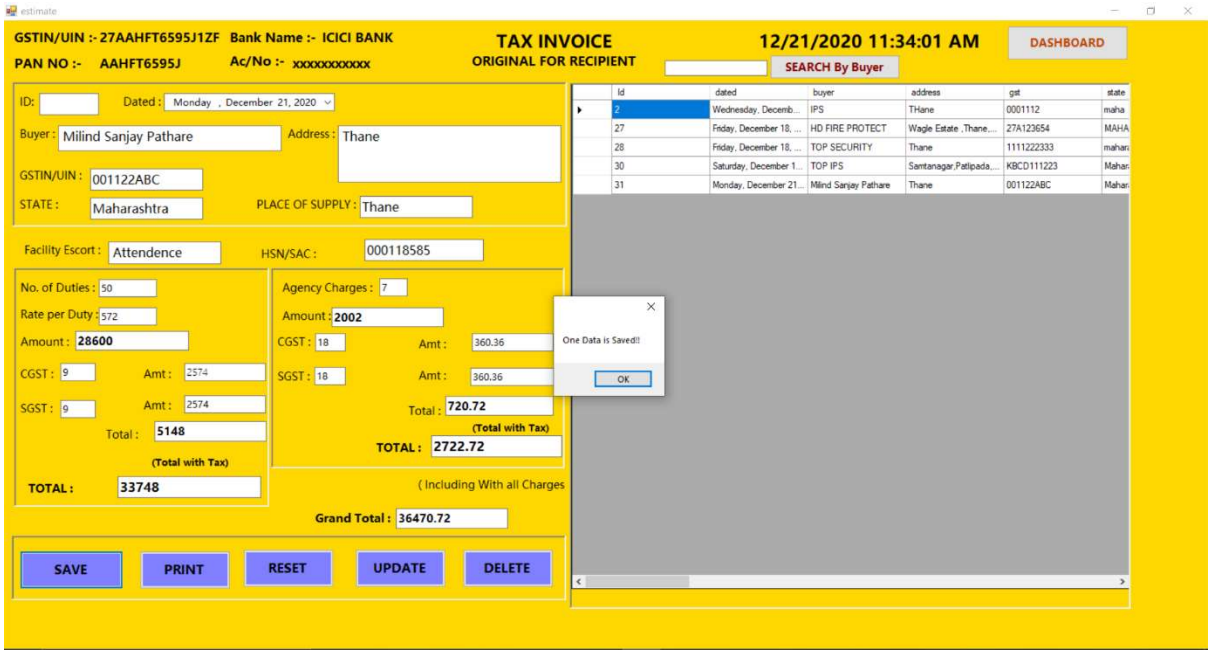
In Home button ,It will redirect to the Official website of the Company



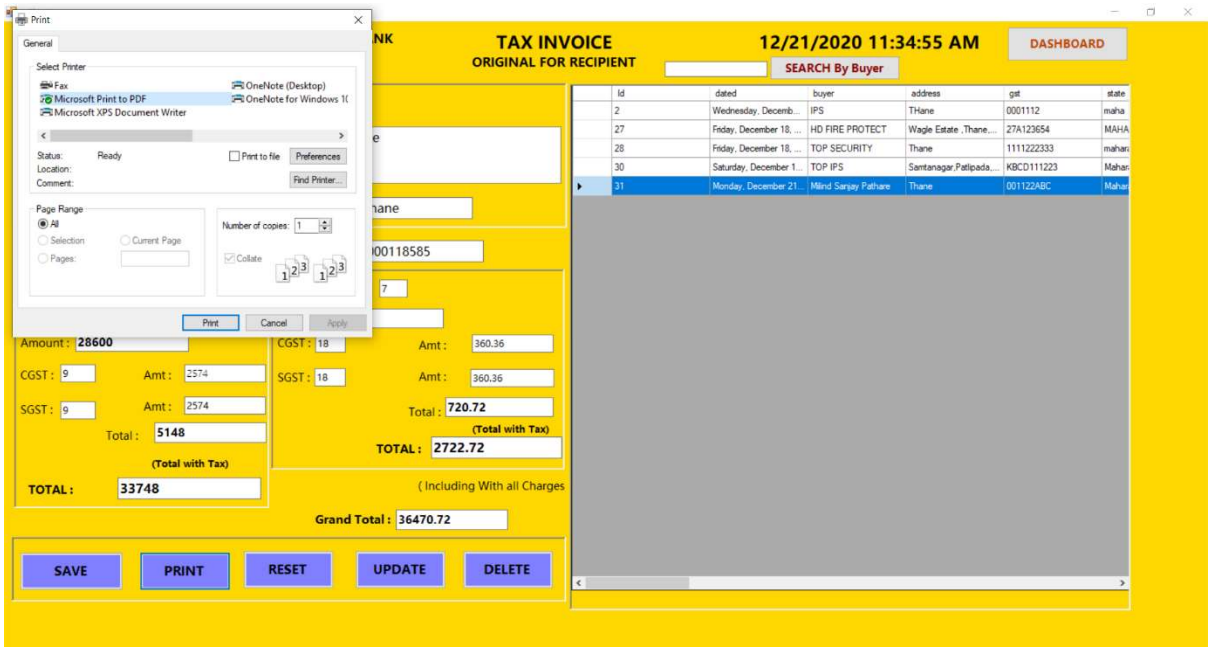
In the Estimate Button ,It shows the Estimate



After Save the Details:



Print the Estimate:



Tax Invoice Print :

TOP INDUSTRIAL PROTECTION SECURITY GROUP

ISO 9000:2019

A-17/2-4,T.T.C.,M.I.D.C.NEAR RELIENCE HOSPITAL,
KHAIRANE,NAVI MUMBAI-400 705.

GSTIN/UIN :- 27AAHFT6595J1ZF
PAN NO. :- AAHFT6595J
E-Mail :- accounts@topsecurity.co.in
AC/NO :- XXXXXXXXXXXX

==========

TAX INVOICE

12/21/2020 11:35:44 AM

BUYER NAME :- Milind Sanjay Pathare
BUYER ADDRESS :- Thane
GSTIN/UIN :-001122ABC
Place of supply :- Thane

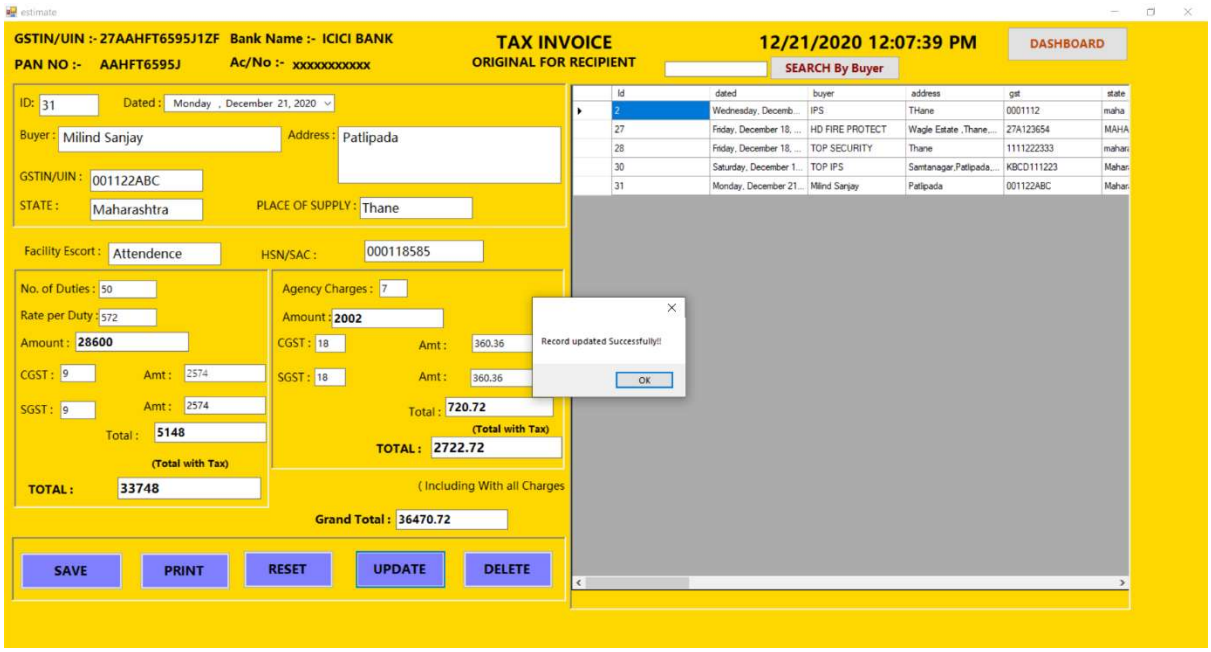
Facility	HSN/SAC	No.of Duty	Rate/Duty(Rs.)	Amount(Rs.)
Attendence	000118585	50	572	28600
Agency Charges			7%	2002

Taxable Value	CGST		SGST		TOTAL	
	Rate	Amount	Rate	Amount		
28600	9%	2574	9%	2574	5148	33748
2002	18%	360.36	18%	360.36	720.72	2722.72

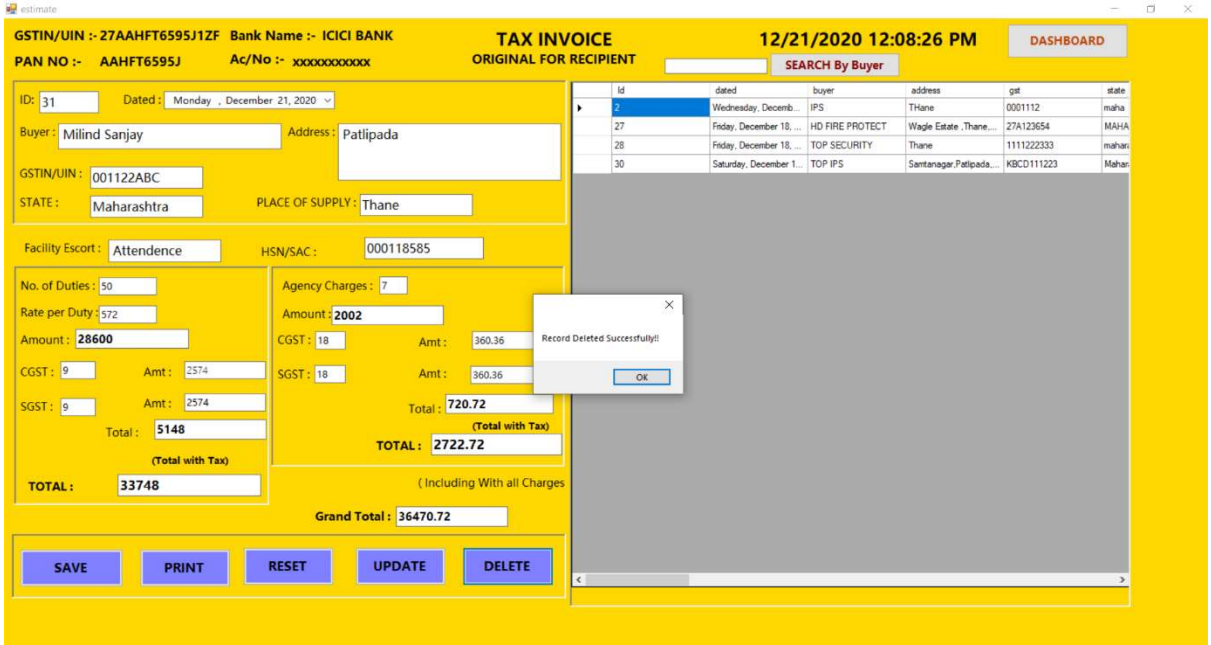
GRAND TOTAL : 36470.72

Authorised signature

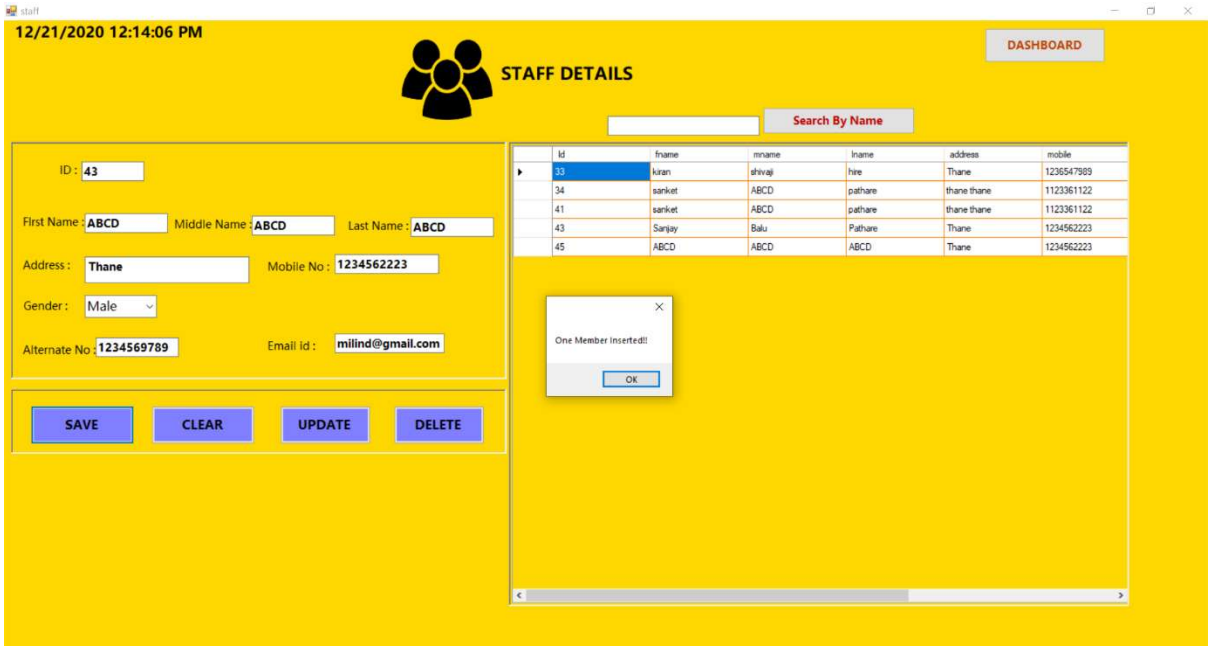
Update The Estimate :



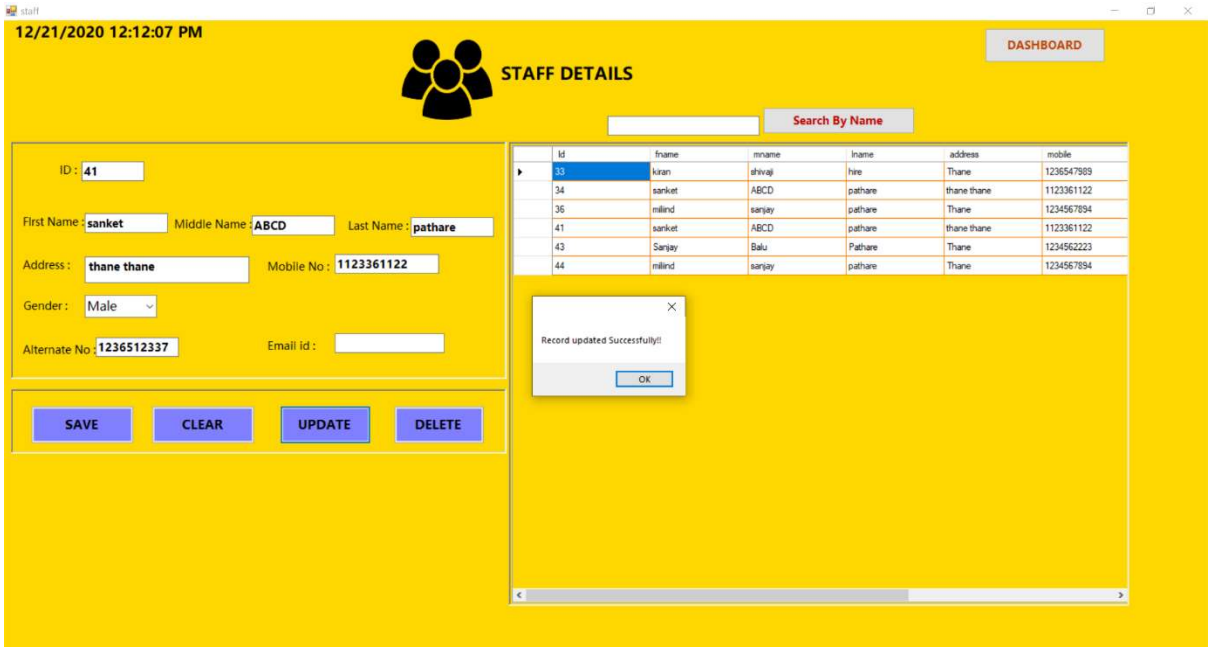
Delete The Estimate :



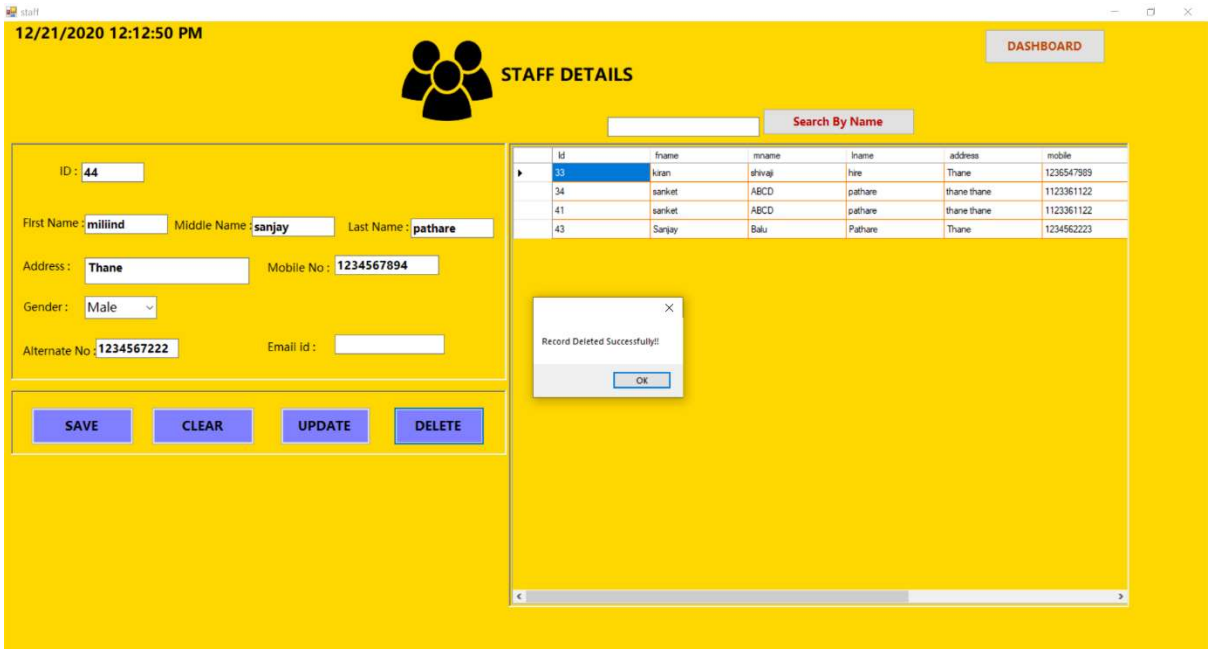
In the Staff Button, It show the Staff Window and after Saving the details of staff



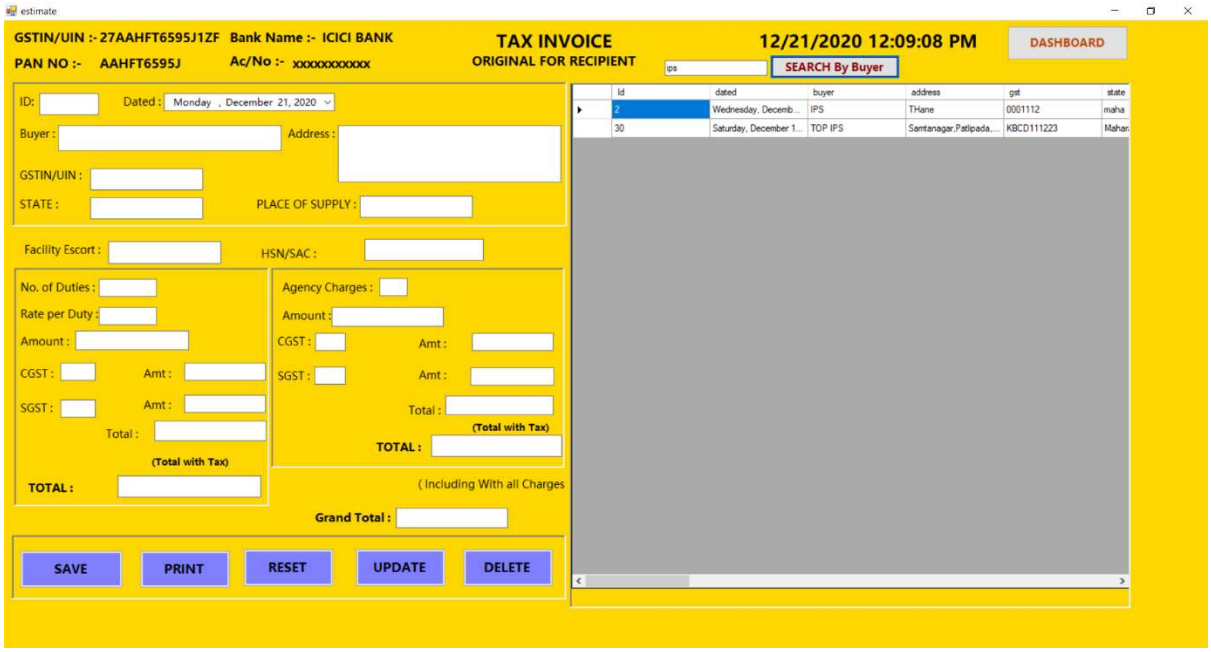
Update The Staff :



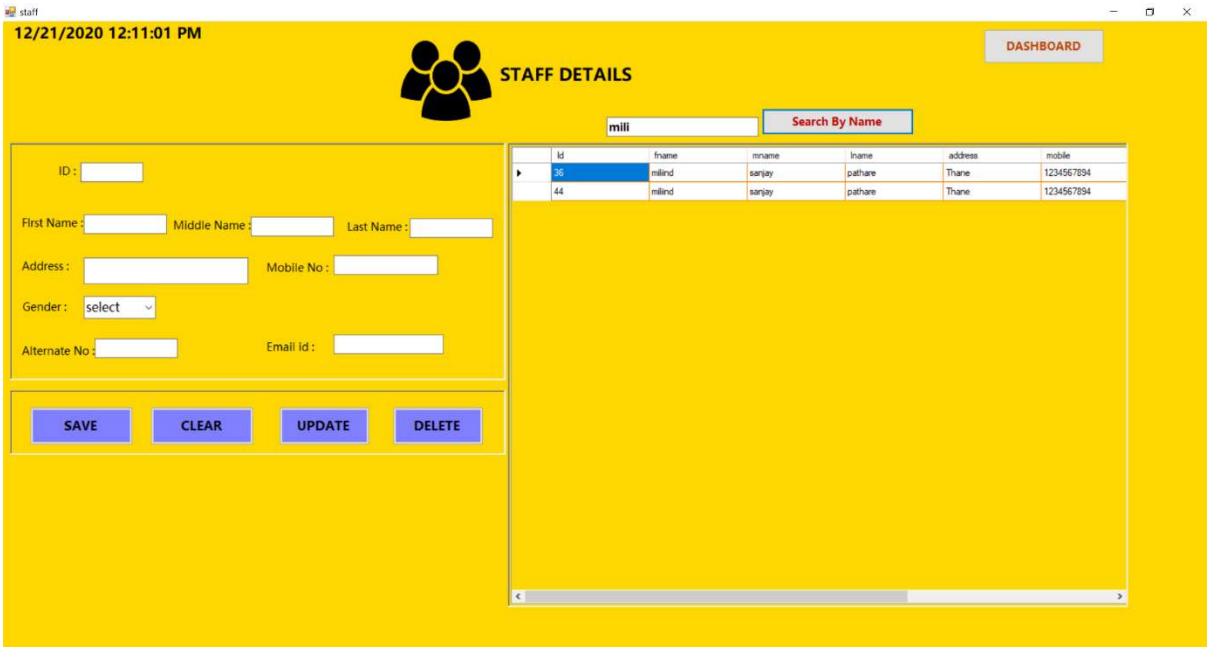
Delete The Staff Details :



Search The Estimate :



Search The Staff Member :



12. TOOLS USED FOR DEVELOPING THE SECURITY GUARD MANAGEMENT SYSTEM

12.1 MICROSOFT VISUAL STUDIO -2019

Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight. It can produce both native code and managed code.

Visual Studio includes a code editor supporting IntelliSense (the code completion component) as well as code refactoring. The integrated debugger works both as a source-level debugger and a machine-level debugger. Other built-in tools include a code profiler, designer for building GUI applications, web designer, class designer, and database schema designer. It accepts plug-ins that expand the functionality at almost every level—including adding support for source control systems (like Subversion and Git) and adding new toolsets like editors and visual designers for domain-specific languages or toolsets for other aspects of the software development lifecycle (like the Azure DevOps client: Team Explorer).

12.2Microsoft SQL Server

Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet). Microsoft markets at least a dozen different editions of Microsoft SQL Server, aimed at different

audiences and for workloads ranging from small single-machine applications to large Internet-facing applications with many concurrent users.

13. MAINTENANCE AND FUTURE ENHANCEMENTS

13.1 Advantages of Existing System : -

In the existing system, all work and calculations are done by manually. There is most of chances to misplace the all records.

- There is no Security for records.
- Transparency is very less.
- All Calculations are done by manually.
- There is no thing to Update the Particular records.
- And the most important thing is that chances to misplace the record books.

The main aim of the proposed system is that to develop improved facilities to the existing system.

There are some functionality are allowed to the proposed management system.

- Save the More Records.
- Easily Updated.
- Time Consuming.
- Automatic calculations.
- Saving the all information about the staff members.
- User friendly and interactive.
- Secure the Data.
- Ensure the Data accuracy.

At the end it is concluded that we have made effort on following points…

- We understand the problem domain and produce a model of the system, which Describes operations that can be performed on the system.
- We describe the requirement Specifications of the system and the actions that can be done on these things.

- We define the problem on which we are working in the project.
- Finally, the system is implemented and tested according to test cases.

Future enhancement of the software will have the following points:-

- Maintain attendance of staff Members.
- Maintain the more password security level.
- Provide the more updated and enhance level functionality in the system.

Limitations of the Security Guard Management System..

- In the security guard management system we cannot make the online payment method of the Bill Or estimate **.**

13.3 System Maintenance:-

System Maintenance of the software will have the following points:-

• Fixing bugs if at all anything found during actual working.

• Periodic checking of software at regular intervals.

• Make better use of existing tools and techniques.

14. REFRENCES

- www.google.com
- www.youtube.com
- www.stackoverflow.com