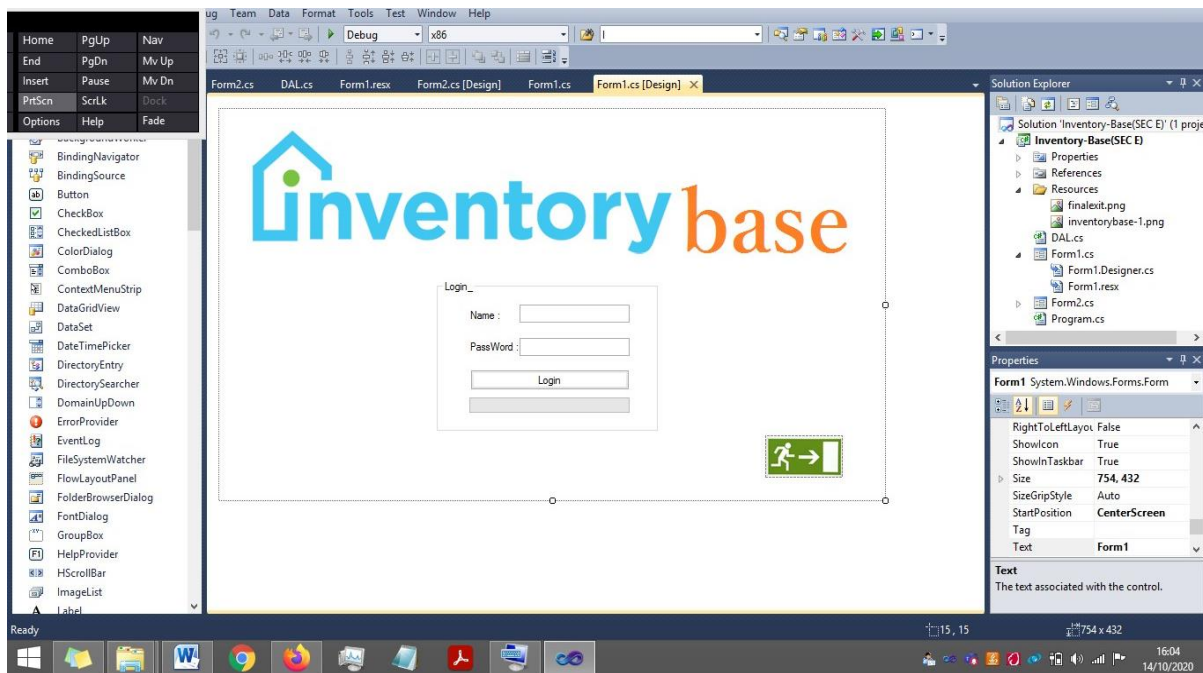# Design View Form 1

Code View Form 1

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

namespace Inventory_Base
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void pictureBox1_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            DAL dal = new DAL();
            bool check = dal.login(textBox1.Text, textBox2.Text);
            if (check == true)
            {
                progressBar1.Show();
                progressBar1.Minimum = 0;
                progressBar1.Maximum = 2000000;
                for (int i = 0; i <= 2000000; i++)
                {
                    progressBar1.Value = i;
```
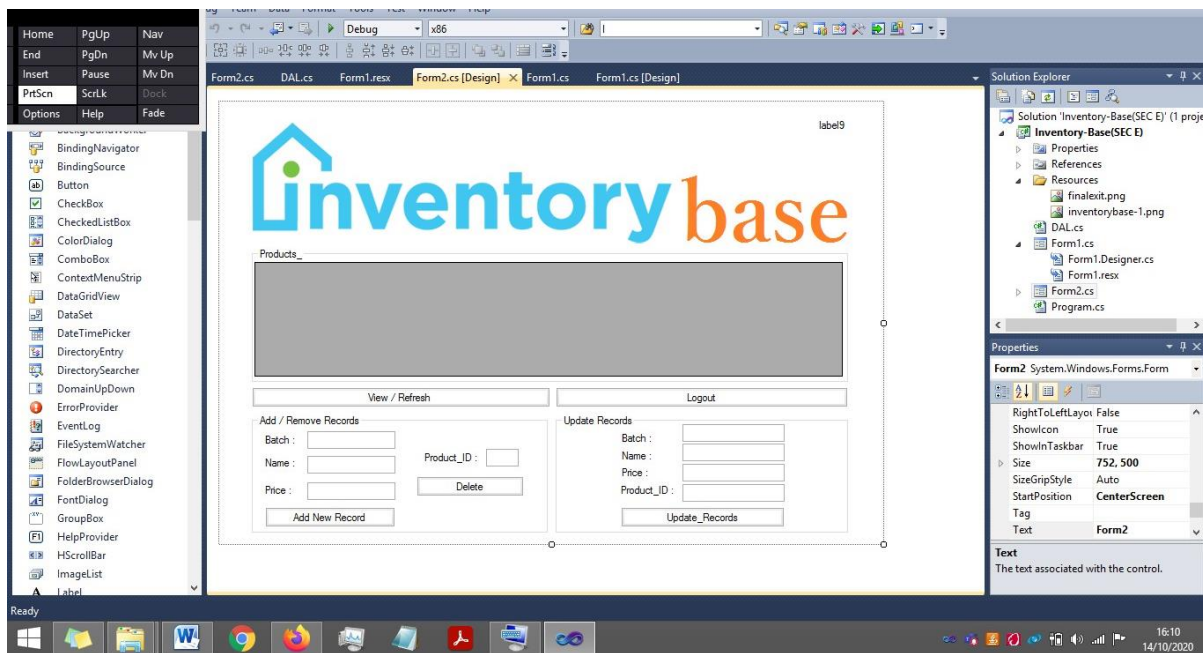
```csharp
            }

            this.Hide();
            Form2 fm = new Form2();
            fm.Show();
        }
        else
        {
            MessageBox.Show(" Invalid user name and/or password  ........");
            textBox1.Clear();
            textBox2.Clear();
        }

    }

    private void Form1_Load(object sender, EventArgs e)
    {
        progressBar1.Hide();
    }
  }
}
```

Design View Form 2

Code View Form 2

```csharp
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 Inventory_Base
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }

        private void Form2_Load(object sender, EventArgs e)
        {
            label9.Text = Convert.ToString(DateTime.Now.ToString("MM/dd/yyyy"));
        }

        private void button3_Click(object sender, EventArgs e)
        {
            DAL dal = new DAL();

dal.insert(Convert.ToInt32(textBox1.Text),textBox2.Text,Convert.ToDouble(textBox3.Text
));
            MessageBox.Show("Record has been inserted ....... ");
            textBox1.Clear();
            textBox2.Clear();
```

```csharp
            textBox3.Clear();

        }

        private void button4_Click(object sender, EventArgs e)
        {
            DAL dal = new DAL();
            dal.delete(Convert.ToInt32(textBox4.Text));
            MessageBox.Show("Record has been Deleted ....... ");
            textBox4.Clear();

        }

        private void button5_Click(object sender, EventArgs e)
        {
            DAL dal = new DAL();
            dal.update(Convert.ToInt32(textBox8.Text),  Convert.ToInt32(textBox5.Text),
textBox6.Text, Convert.ToDouble(textBox7.Text));
            MessageBox.Show("Record has been updated      ");
            textBox5.Clear();
            textBox6.Clear();
            textBox7.Clear();
            textBox8.Clear();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            this.Hide();
            Form1 fm = new Form1();
            fm.Show();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            SqlConnection conn = new SqlConnection(" Data
Source=HP\\SQLEXPRESS;Initial Catalog=inventory_base; Integrated Security=True ");
            string sel = "select * from products";
            SqlDataAdapter ad = new SqlDataAdapter(sel,conn);
            conn.Open();
            DataTable dt = new DataTable();
            ad.Fill(dt);
            dataGridView1.DataSource = dt;

        }
    }
}
```

Data Access Layer class (DAL)

```csharp
using System;
using System.Collections.Generic;
using System.Text;
using System.Data.SqlClient;

namespace Inventory_Base
{
    class DAL
    {
        SqlConnection conn = new SqlConnection(" Data Source=HP\\SQLEXPRESS;Initial
Catalog=inventory_base; Integrated Security=True ");
        public bool login(string myname,string mypw)
        {
            string loginvalue = "select name,pw from users where name='"+ myname +"'
and pw='"+ mypw +"'";
            SqlCommand com = new SqlCommand(loginvalue,conn);
            SqlDataReader rdr;
            conn.Open();
            rdr = com.ExecuteReader();//retrieve row from database
            return rdr.Read();// if data found return true / if not found return false
        }
        public void insert(int mybatch, string myname, double myprice)
        {
            string insrt = "insert into products values('"+ mybatch +"','"+ myname
+"','"+myprice+"')";
            SqlCommand com = new SqlCommand(insrt,conn);
            conn.Open();
            com.ExecuteNonQuery();
            conn.Close();
        }
        public void update(int mypid,int mybatch, string myname, double myprice)
        {
            string upt = "update products set batch='"+ mybatch +"',name='"+ myname
+"',price='"+ myprice +"' where pid='"+mypid+"' ";
            SqlCommand com = new SqlCommand(upt, conn);
            conn.Open();
            com.ExecuteNonQuery();
            conn.Close();
        }
        public void delete(int mypid)
        {
            string del = "delete from products where pid='"+ mypid +"'";
            SqlCommand com = new SqlCommand(del, conn);
            conn.Open();
            com.ExecuteNonQuery();
            conn.Close();
        }
    }
}
```