. NET LAB.

CHRIST
(DEEMED TO BE UNIVERSITY)
B A N G A L O R E · I N D I A

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DEVELOPER GUIDE OF DOT NET APPLICATION

RECORD YOUR INVESTMENTS

LANDING PAGE:

- ## CODE FOR LOGIN PAGE:

```csharp
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.IO;
using static System.Windows.Forms.VisualStyles.VisualStyleElement;
using MySql.Data.MySqlClient;
using static iText.StyledXmlParser.Jsoup.Select.Evaluator;

namespace newmf
{
    public partial class loginpage : Form
    {
        public static string fname="";
        //string[] names;
        //string[] passwords;
        public static int cid;
        public loginpage()
        {
            InitializeComponent();
        }



        public void RemoveText(object sender, EventArgs e)
        {
            if (textBox1.Text == "Enter text here...")
            {
                textBox1.Text = "";
            }
        }

        private void loginpage_Load(object sender, EventArgs e)
        {
            int i;
            /*names = File.ReadAllLines("E:\\sem4\\.netdocuments\\data1.txt");
            passwords = File.ReadAllLines("E:\\sem4\\.netdocuments\\data2.txt");
            for(i=0;i<names.Length;i++)
            {
                Console.WriteLine(names[i]);
                Console.WriteLine(passwords[i]);
                comboBox1.Items.Add(names[i]);
            }*/
            string server = "localhost";
            string database = "mutualfund";
            string username = "root";
            string password = "Krishi$1234";
            string constring = "Server=" + server + ";" + "Database=" + database + ";" +
"Username=" + username + ";" + "Password=" + password + ";";
            string query1 = "Select * from credentials";
            MySqlConnection con = new MySqlConnection(constring);
            con.Open();
            MySqlCommand cmd = new MySqlCommand(query1, con);

            cmd.Prepare();
            MySqlDataReader reader = cmd.ExecuteReader();
```

```csharp
            while (reader.Read())
            {
                comboBox1.Items.Add(reader.GetValue(2).ToString());
            }
            con.Close();




        }

        private void checkBox1_CheckedChanged(object sender, EventArgs e)
        {
            if (checkBox1.Checked)
                textBox1.UseSystemPasswordChar= false;
            else
                textBox1.UseSystemPasswordChar=true;
        }

        private void button1_Click(object sender, EventArgs e)
        {
            string server = "localhost";
            string database = "mutualfund";
            string username = "root";
            string password = "Krishi$1234";
            string constring = "Server=" + server + ";" + "Database=" + database + ";" +
"Username=" + username + ";" + "Password=" + password + ";";
            string p=textBox1.Text;
            string c = comboBox1.Text;
            string query5 = "Select id from credentials where USERNAME='"+c+"' and
PASSWORD='"+p+"';";
            Console.WriteLine(c);
            Console.WriteLine(p);
            MySqlConnection con5 = new MySqlConnection(constring);
            con5.Open();
            MySqlCommand cmd5 = new MySqlCommand(query5, con5);

            cmd5.Prepare();
            MySqlDataReader reader = cmd5.ExecuteReader();
            if(reader.Read())
            {
                cid=Int16.Parse(reader.GetValue(0).ToString());
                Console.WriteLine(cid);
            }
            con5.Close();
            int f=0;
            if(comboBox1.Text=="ADMIN" && textBox1.Text=="ADMIN")
            {
                Form3 form3 = new Form3();
                form3.ShowDialog();
            }
            else
            /*for(i=1;i<names.Length;i++)
            {
                if (comboBox1.Text == names[i])
                {*/
                    if (cid<1)
                        MessageBox.Show("USER NAME OR PASSWORD NOT VALID", "LOGIN STOPED",
MessageBoxButtons.OK, MessageBoxIcon.Warning);
                    else if(cid>0)
                    {
                        fname = comboBox1.Text;
                        MessageBox.Show("LOGIN SUCCESSFUL", "SIGNED IN", MessageBoxButtons.OK,
MessageBoxIcon.Information);
```

```
                    f = 1;
                    Form5 f5= new Form5();
                    f5.Show();

                }/*
            }
        }*/
        if(f==0)
            MessageBox.Show("USER NAME OR PASSWORD NOT VALID", "LOGIN STOPED",
MessageBoxButtons.OK, MessageBoxIcon.Warning);
        }

        private void label3_Click(object sender, EventArgs e)
        {
            Form1 form1 = new Form1();
            form1.Show();
        }
    }
}
```

SIGN UP PAGE:

- ## CODE FOR SIGNUP PAGE

```csharp
using MySql.Data.MySqlClient;
using System;
using System.Drawing;
using System.Text.RegularExpressions;
using System.Windows.Forms;

namespace newmf
{
    public partial class Form1 : Form
    {
        public static int a = 0;
        public static string un = "";
        public static string ps = "";
        public static string name = "", phone_no = "", emailid = "", panno = "", fn = "";
        public static string date = "";
        public static int cid;

        public Form1()
        {
            InitializeComponent();
```

```csharp
        }
        private void CLEAR_Click(object sender, EventArgs e)
        {
            textBox1.Text = string.Empty;
            textBox2.Text = string.Empty;
            textBox3.Text = string.Empty;
            textBox4.Text = string.Empty;
            dateTimePicker1.Value = DateTime.Now;
        }
        private void button1_Click(object sender, EventArgs e)
        {

            int f = checkvalid();
            if (f == 0)
            {
                fn = textBox1.Text;
                name = textBox1.Text + " " + textBox2.Text;
                phone_no = maskedTextBox1.Text;
                panno = textBox3.Text;
                emailid = textBox4.Text;
                un = textBox1.Text;
                ps = textBox3.Text;
                date=dateTimePicker1.Value.ToString();

                //Form2 F2 = new Form2();
                //F2.Show();
                REVIEWDETAILS rd = new REVIEWDETAILS();
                rd.Show();


            }

        }
        private int checkvalid()
        {
            int f = 0;

            if (textBox1.Text == String.Empty)
            {
                MessageBox.Show("ENTER FIRST NAME", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
            }
            else if (!Regex.Match((string)textBox1.Text, "^[A-Za-z][a-zA-Z]*$").Success)
            {
                MessageBox.Show("NAME NOT VALID", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
            }
            else
            {
                toolStripProgressBar1.Increment(10);
            }
            /*if (Regex.IsMatch(textBox2.Text, "^[0-9]$") == false)
            {
                MessageBox.Show("LAST NAME NOT VALID");
                f = 1;
            }*/
            if (textBox2.Text == String.Empty)
            {
                MessageBox.Show("ENTER LAST NAME", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
```

```csharp
            }
            else if (!Regex.Match((string)textBox2.Text, "^[A-Za-z][a-zA-Z]*$").Success)
            {
                MessageBox.Show("LAST NAME NOT VALID", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
            }
            else
            {
                toolStripProgressBar1.Increment(10);
            }
            if (textBox3.Text == String.Empty)
            {
                MessageBox.Show("ENTER PANCARD DETAILS", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
            }
            else if (!Regex.Match((string)textBox3.Text, "^[A-Z]{5}[0-9]{4}[A-
Z]{1}$").Success)
            {
                MessageBox.Show("PAN CARD NOT VALID", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
            }
            else
            {
                toolStripProgressBar1.Increment(10);
            }
            string emailInput = textBox4.Text;


            bool validEmail = RegexEmailCheck(emailInput);
            if (validEmail == false)
            {
                MessageBox.Show("EMAIL NOT VALID", "ERROR", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
                f = 1;
            }
            else
            {
                toolStripProgressBar1.Increment(10);
            }
            return f;

        }
        private void linkLabel3_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)
        {
            System.Diagnostics.Process.Start("https://www.amfiindia.com/investor-
corner/knowledge-center/what-are-mutual-funds-new.html");
        }
        string il;
        int z = 0;

        private void label9_Click(object sender, EventArgs e)
        {
            loginpage lp = new loginpage();
            lp.Show();
        }
        public void mousehover(object sender, EventArgs e)
        {
            label9.BackColor = Color.LightGoldenrodYellow;
        }
```

```csharp
        private void label11_Click(object sender, EventArgs e)
        {
            SaveFileDialog sfd = new SaveFileDialog();
            sfd.Filter = "JPG(*.JPG)|*.jpg";
            if(sfd.ShowDialog()==DialogResult.OK)
            {
                pictureBox1.Image.Save(sfd.FileName);
            }

        }

        public void mouseleave(object sender, EventArgs e)
        {
            label9.BackColor = Color.Black;
        }
        private void label6_Click(object sender, EventArgs e)
        {

            z = 0;
            foreach (Control x in this.Controls)
            {

                if (x is Label && ((Label)x).Text == "INSERT IMAGE" && z == 0)
                {
                    z = 1;
                    OpenFileDialog open = new OpenFileDialog();
                    // image filters
                    open.Filter = "Image Files(*.jpg; *.jpeg; *.gif; *.bmp)|*.jpg; *.jpeg;
*.gif; *.bmp";

                    if (open.ShowDialog() == DialogResult.OK)
                    {
                        // display image in picture box
                        pictureBox1.Image = new Bitmap(open.FileName);
                        // image file path
                        il = open.FileName;

                    }
                    ((Label)x).Text = "REMOVE";
                }
            }
            foreach (Control x in this.Controls)
            {
                if (x is Label && ((Label)x).Text == "REMOVE" && z == 0)
                {
                    pictureBox1.Image = null;
                    x.Text = "INSERT IMAGE";
                    z = 1;

                }
            }

        }

        private void Form1_Load(object sender, EventArgs e)
        {

            foreach (Control x in this.Controls)
            {
                if (x is Button)
                {
                    x.ForeColor = Color.Gold;
                    x.BackColor = Color.Black;
                }
            }
```
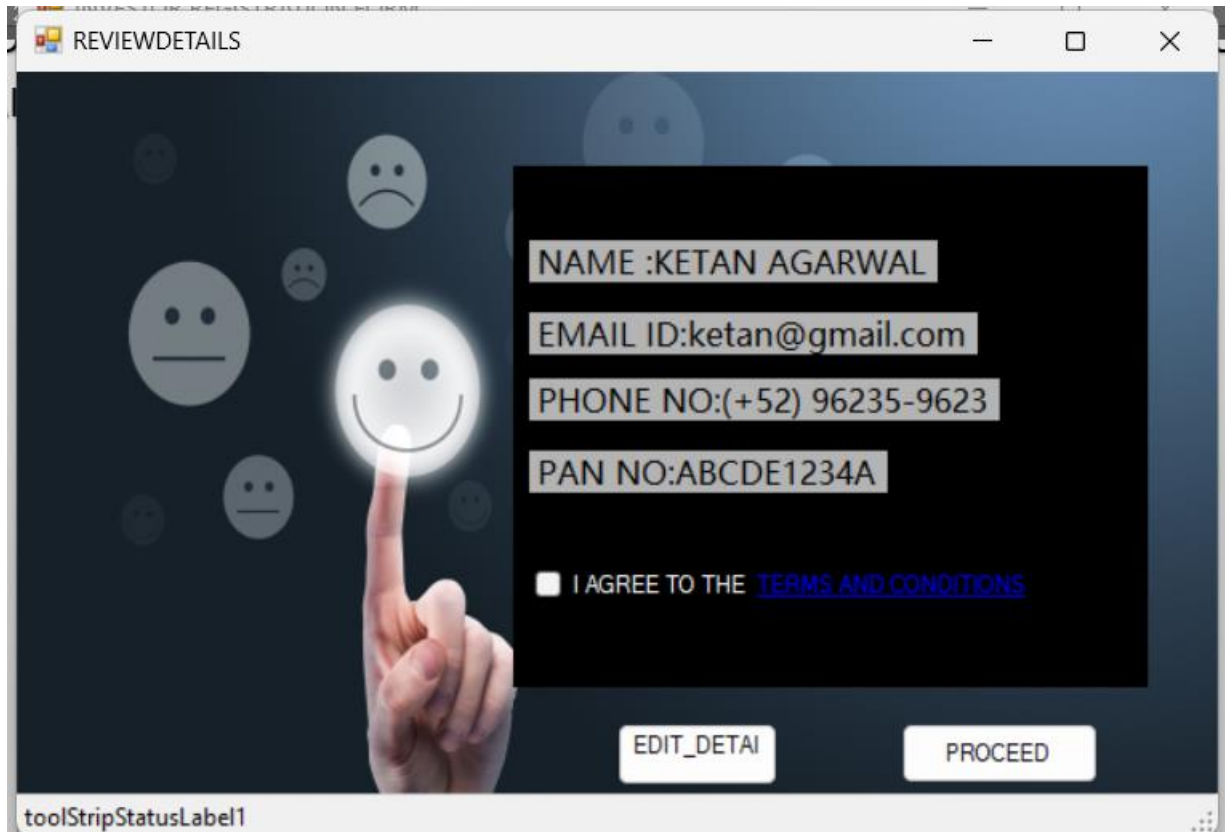
```csharp
        }

        public static bool RegexEmailCheck(string input)
        {
            // returns true if the input is a valid email
            return Regex.IsMatch(input, @"^([\w-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([\w-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$");
        }
    }
}
```

REVIEW DETAILS PAGE:

- ## CODE FOR REVIEW DETAILS PAGE:

```
using MySql.Data.MySqlClient;
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.IO;
using System.Linq;
using System.Linq.Expressions;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Xml.Linq;
```

```csharp
namespace newmf
{
    public partial class REVIEWDETAILS : Form
    {
        public static int ID;
        public REVIEWDETAILS()
        {
            InitializeComponent();
        }

        private void REVIEWDETAILS_Load(object sender, EventArgs e)
        {
            label1.Text += Form1.name;
            label3.Text += Form1.phone_no;
            label2.Text += Form1.emailid;
            label4.Text += Form1.panno;
        }

        private void button2_Click(object sender, EventArgs e)
        {
            if (checkBox1.Checked)
            {
                using (StreamWriter stream = new
FileInfo("E:\\sem4\\.netdocuments\\data1.txt").AppendText())
                {
                    stream.WriteLine(Form1.fn);
                }
                using (StreamWriter stream1 = new
FileInfo("E:\\sem4\\.netdocuments\\data2.txt").AppendText())
                {
                    stream1.WriteLine(Form1.panno);
                }
                string server = "localhost";
                string database = "mutualfund";
                string username = "root";
                string password = "Krishi$1234";
                string constring = "Server=" + server + ";" + "Database=" + database + ";" +
"Username=" + username + ";" + "Password=" + password + ";";
                string query1 = "Select max(cid) from details";
                MySqlConnection con = new MySqlConnection(constring);
                con.Open();
                MySqlCommand cmd = new MySqlCommand(query1, con);

                cmd.Prepare();
                MySqlDataReader reader = cmd.ExecuteReader();
                while (reader.Read())
                {
                    Form1.cid = Int16.Parse(reader.GetValue(0).ToString()) + 1;
                    ID = Form1.cid;
                }
                con.Close();
                string query = "INSERT INTO
details(`CID`,`NAME`,`EMAIL`,`PANCARD`,`PHONENUMBER`,`DOB`) VALUES('" + Form1.cid + "','" +
Form1.name + "','" + Form1.emailid + "','" + Form1.panno + "','" + Form1.phone_no + "','" +
Form1.date + "');";
                string query2 = "INSERT INTO credentials(`ID`,`TYPE`,`USERNAME`,`PASSWORD`)
VALUES('" + Form1.cid + "','USER','" + Form1.fn + "','" + Form1.panno + "');";

                MySqlConnection con1 = new MySqlConnection(constring);

                con1.Open();
                MySqlCommand cmd1 = new MySqlCommand(query, con1);
                MySqlDataReader read = cmd1.ExecuteReader();
                con1.Close();
```

```csharp
            MySqlConnection con2 = new MySqlConnection(constring);
            con2.Open();
            MySqlCommand cmd2 = new MySqlCommand(query2, con2);
            MySqlDataReader read1 = cmd2.ExecuteReader();
            con2.Close();
            Form2 F2 = new Form2();
            F2.Show();
            this.Close();


        }
        else
        {
            MessageBox.Show("AGREE TO THE TERMS AND CONDITION", "ERROR",
MessageBoxButtons.OK, MessageBoxIcon.Warning);
            checkBox1.BackColor = Color.Red;
        }


    }

    private void button1_Click(object sender, EventArgs e)
    {
        Close();
    }

    private void label1_Click(object sender, EventArgs e)
    {

    }

    private void checkBox1_CheckedChanged(object sender, EventArgs e)
    {
        checkBox1.BackColor = Color.Transparent;
    }

    private void linkLabel1_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)
    {
System.Diagnostics.Process.Start("file:///E:/sem4/.netlab/termsandcondi/terms.html");
    }

    private void statusStrip1_ItemClicked(object sender, ToolStripItemClickedEventArgs e)
    {

    }
  }
}
```
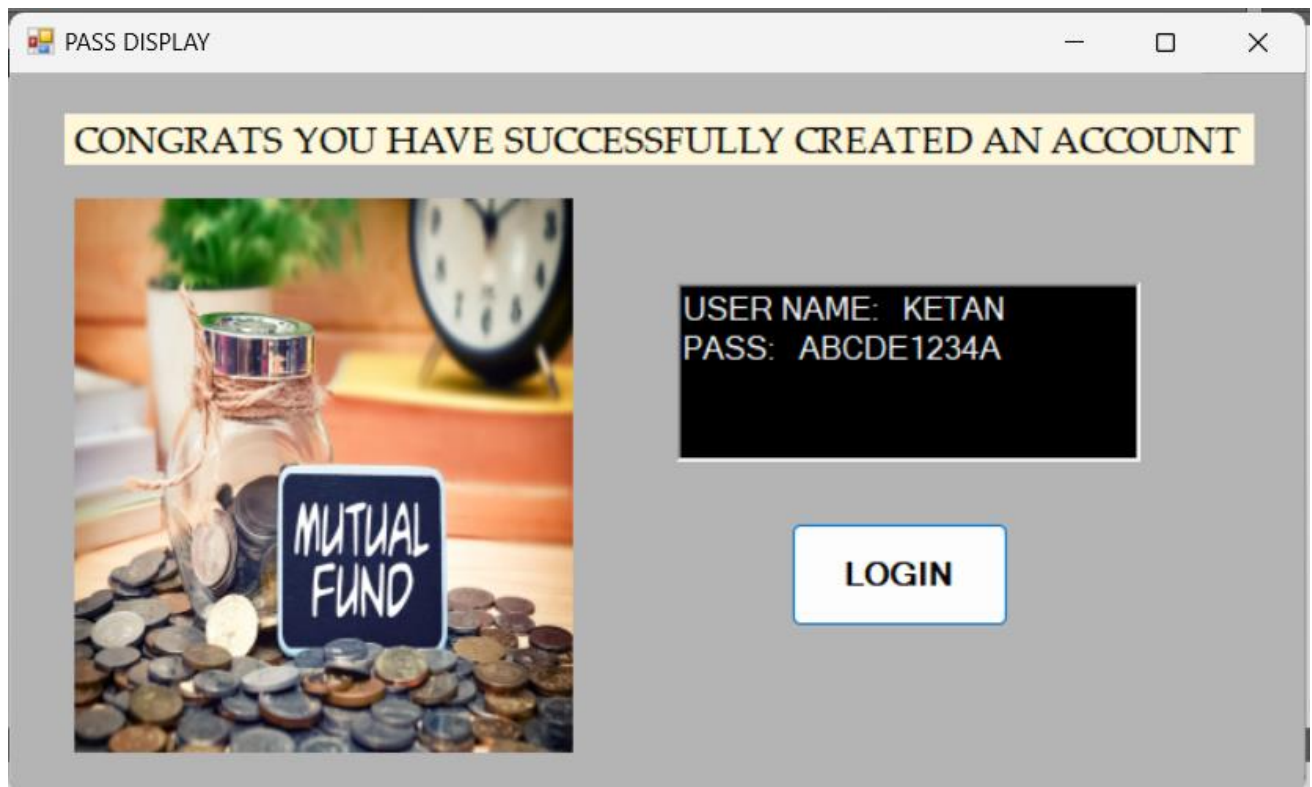
USER NAME AND PASSWORD PAGE:

- ## CODE FOR USERNAME AND PASSWORD GENERATOR

```csharp
using MySql.Data.MySqlClient;
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;

namespace newmf
{
    //public static String un = "";
    //public static String ps = "";
    public partial class Form2 : Form
    {

        public Form2()
        {
            InitializeComponent();

            richTextBox1.Text = "USER NAME:    ";
```

```csharp
            richTextBox1.Text += Form1.un;
            richTextBox1.Text = richTextBox1.Text + "\nPASS:    ";
            richTextBox1.Text += Form1.ps;


        }

        private void panel1_Paint(object sender, PaintEventArgs e)
        {

        }

        private void richTextBox1_TextChanged(object sender, EventArgs e)
        {


        }

        private void button1_Click(object sender, EventArgs e)
        {


            loginpage lp = new loginpage();
            lp.Show();
            Form1.a = 1;
            this.Close();

        }

        private void Form2_Load(object sender, EventArgs e)
        {

        }
    }
}
```
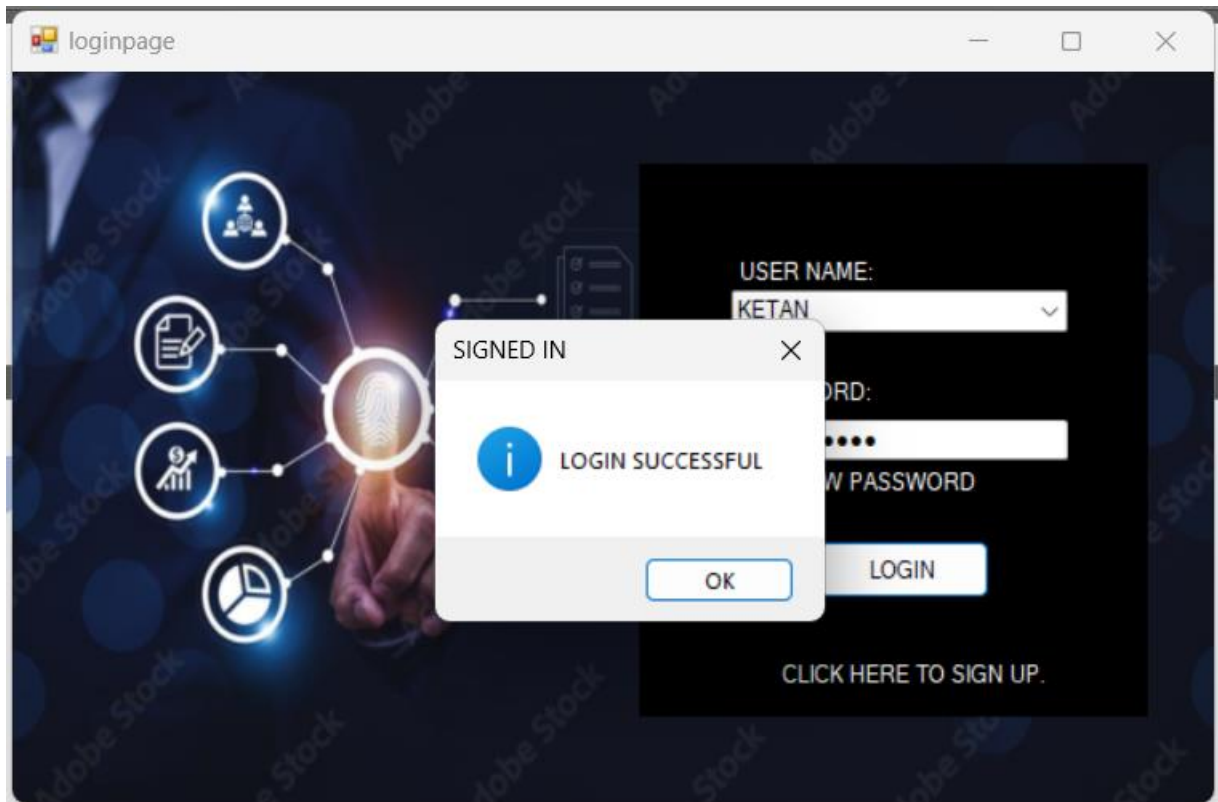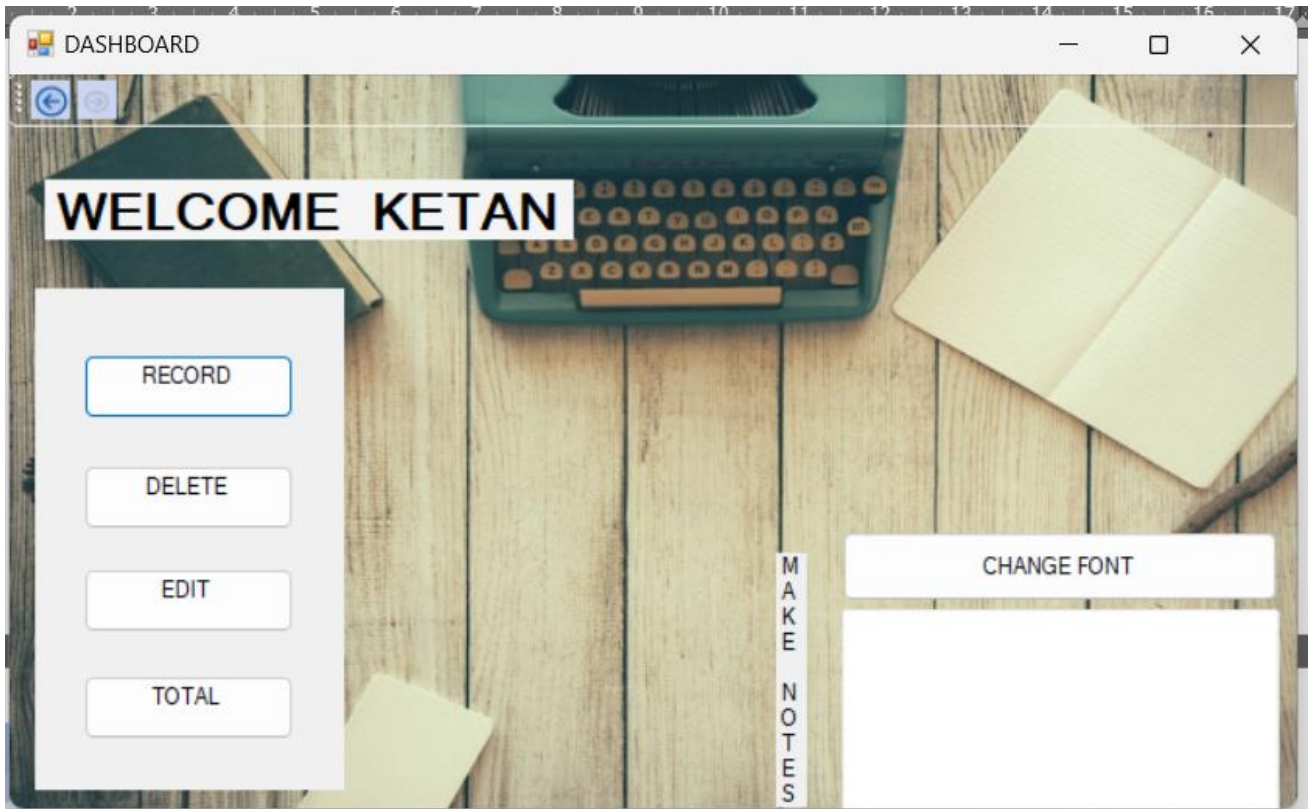
LOGIN PAGE:

- CODE FOR THIS PAGE IS SAME WHICH WAS THERE IN THE FIRST PAGE.

DASHBOARD PAGE:

- ## CODE FOR DASH BOARD

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

namespace newmf
{
    public partial class Form5 : Form
    {
        public Form5()
        {
            InitializeComponent();
        }

        private void Form5_Load(object sender, EventArgs e)
        {
            progressBar1.Visible= false;
```

```csharp
        label1.BackColor = Color.WhiteSmoke;
        label1.Text = label1.Text + "   " + (loginpage.fname).ToUpper();
        toolTip1.SetToolTip(button1,"RECORD");
        toolTip2.SetToolTip(button2, "Delete");
        toolTip3.SetToolTip(button3, "EDIT");

    }

    private void button1_Click(object sender, EventArgs e)
    {
        int i;
        progressBar1.Visible = true;
        for(i=0;i<110;i++)
        {
            Thread.Sleep(2);
            progressBar1.Increment(1);
        }
        Form4 f4= new Form4();
        if (i == 110)
        {
            f4.Show();
            Close();
        }
    }

    private void progressBar1_Click(object sender, EventArgs e)
    {
        progressBar1.Increment(10);

    }

    private void label1_Click(object sender, EventArgs e)
    {

    }

    private void menuStrip1_ItemClicked(object sender, ToolStripItemClickedEventArgs e)
    {

    }

    private void toolStripButton1_Click(object sender, EventArgs e)
    {
        this.Close();
    }

    private void toolStrip1_ItemClicked(object sender, ToolStripItemClickedEventArgs e)
    {

    }

    private void fontDialog1_Apply(object sender, EventArgs e)
    {

    }

    private void button5_Click(object sender, EventArgs e)
    {
        fontDialog1.ShowColor = true;

        fontDialog1.Font = textBox1.Font;
        fontDialog1.Color = textBox1.ForeColor;
        if (fontDialog1.ShowDialog() != DialogResult.Cancel)
        {
```

```
                textBox1.ForeColor = fontDialog1.Color;
                textBox1.Font = fontDialog1.Font;
            }
        }
    }
}
```

RECORDING NEW INVESTMENT:

- ## CODE FOR RECORDING INVESTMENTS

```csharp
using MySql.Data.MySqlClient;
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 static iText.StyledXmlParser.Jsoup.Select.Evaluator;

namespace newmf
{
    public partial class Form4 : Form
    {
        public Form4()
        {
            InitializeComponent();
        }
```

```csharp
        private void Form4_Load(object sender, EventArgs e)
        {

        }

        private void numericUpDown1_ValueChanged(object sender, EventArgs e)
        {

        }

        private void button2_Click(object sender, EventArgs e)
        {
            listBox1.SelectedIndex = 0;
            listBox2.SelectedIndex = 0;
            numericUpDown1.Value = 0;
            numericUpDown2.Value = 0;
        }

        private void button1_Click(object sender, EventArgs e)
        {
            string server = "localhost";
            string database = "mutualfund";
            string username = "root";
            string password = "Krishi$1234";
            string constring = "Server=" + server + ";" + "Database=" + database + ";" +
"Username=" + username + ";" + "Password=" + password + ";";
            string query1 = "Insert into investments (cid,company,fund,amount,nav,date) values
('"+loginpage.cid+"','" + listBox1.Text +
"','"+listBox2.Text+"','"+numericUpDown1.Value+"','"+numericUpDown2.Value+"','"+monthCalendar1
.SelectionRange.Start.ToString()+"');";
            MySqlConnection con = new MySqlConnection(constring);
            con.Open();
            MySqlCommand cmd = new MySqlCommand(query1, con);

            cmd.Prepare();
            MySqlDataReader reader = cmd.ExecuteReader();

            con.Close();
            MessageBox.Show("data enterd succesfully", "executed", MessageBoxButtons.OK,
MessageBoxIcon.Information);
        }
    }
}
```