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C#.Net School Management System

Presented By -

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Build a full school Management System using c#.Net WPF Application. All features are embedded in this application

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School Management System Using C#.Net (WPF Application)

Login & Registration Page:

MainWindow

Login Information

This is a login page made by Soumya Manna here user can login and register as new user.

UserName:

Password

Create New User

Login

MainWindow

Register

This is a login page made by Soumya Manna here user can login and register as new user.

UserName:

Password

Confirm Password

Email

Back

Register

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Imaging;
using System.Windows.Navigation;
using System.Windows.Shapes;
using System.Data.OleDb;
using System.Threading;
using System.Windows.Threading;

namespace Index
{
    /// <summary>
    /// Interaction logic for MainWindow.xaml
    /// </summary>
    public partial class MainWindow : Window
    {
        public static string user;
        public MainWindow()
        {
            InitializeComponent();
        }
        public static OleDbConnection connection()
        {
            OleDbConnection con;
            con = new OleDbConnection("Provider = Microsoft.Jet.OLEDB.4.0; Data Source = data.mdb ");
            con.Open();
            return con;
        }

        private void OnLoad(object sender, RoutedEventArgs e)
        {
            log.Visibility = Visibility.Visible;
            register.Visibility = Visibility.Hidden;
            DispatcherTimer timer = new DispatcherTimer();
            timer.Interval = TimeSpan.FromMilliseconds(1000);
        }
    }
}
```

```

        timer.Tick += new EventHandler(timer_tick);
        timer.Start();
    }
    public void timer_tick(object sender, EventArgs e)
    {
        label4.Content = DateTime.Now.ToString("dd:MMM:yy , hh:mm:ss tt");
    }
    private void Click_NewUser(object sender, MouseButtonEventArgs e)
    {
        log.Visibility = Visibility.Hidden;
        register.Visibility = Visibility.Visible;
        label3.Content = "Register";
    }

    private void button_Click(object sender, RoutedEventArgs e)
    {
        OleDbCommand cmd = new OleDbCommand("Select * from admin where Username like '" + textBox_Copy3.Text + "' and Password like '" + textBox_Copy4.Text + "'", connection());
        OleDbDataReader read = cmd.ExecuteReader();
        if (read.Read())
        {
            user = "Administrator";
            Main_page page = new Main_page();
            page.Show();
        }

        else
        {
            OleDbCommand cmd1 = new OleDbCommand("Select * from users where Username like '" + textBox_Copy3.Text + "' and Password like '" + textBox_Copy4.Text + "'", connection());
            OleDbDataReader read2 = cmd1.ExecuteReader();
            if (read2.Read())
            {
                user = textBox_Copy3.Text;
                Main_page page = new Main_page();
                page.Show();
            }
            else
            {
                MessageBox.Show("Invalid username or Password");
            }
        }
    }

    private void button_Copy_Click(object sender, RoutedEventArgs e)
    {
        OleDbCommand cmd = new OleDbCommand("Select Username from admin where Username like '" + textBox.Text + "'", connection());
        OleDbDataReader read3 = cmd.ExecuteReader();
        if (read3.Read())
        {
            MessageBox.Show("You Can't take this Username");
        }
        else
        {
            if (textBox_Copy.Password.ToString() == textBox_Copy1.Password.ToString())
            {
                try
                {
                    OleDbCommand cmd1 = new OleDbCommand("Insert into users values ('" + textBox.Text + "', '" + textBox_Copy.Password.ToString() + "', '" + textBox_Copy2.Text + "')", connection());
                    cmd1.ExecuteNonQuery();
                    register.Visibility = Visibility.Hidden;
                    log.Visibility = Visibility.Visible;
                }
                catch (Exception f)
                {
                }
            }
        }
    }

```

```

else
{
    MessageBox.Show("Password Mismatch");
}
}
}

private void button1_Click(object sender, RoutedEventArgs e)
{
    register.Visibility = Visibility.Hidden;
    log.Visibility = Visibility.Visible;
}
}
}

```

Main Window:

Students Record
Maintain the record of students of the institution

Add Students **Review/Delete**

Student Name:

Batch:

Roll Number:

Address:

Library (If Required):

Transport (If Required):

Scholarship:

Total Fees:

Library Fees:

Transportation Charge:

Save **Reset** **Cancel**

Review / Delete Record
See the details of student & Can also delete unnessa

Add Students **Review/Delete**

Institution Student Record Book

StudentName	Batch	RollNo	Address	Library	Transport	Library/Fees	Transportation	Scholarship	Total Fees
Soumya Manna	CSE	CSE3312	Agarpara	Yes	Yes	100	500	Yes	20400

Rabindranath Library
Maintain the record of Institution Library

Student Name:

Roll Number:

Batch:

Book Returned:

Book Taken:

Book Taken Date:

Card Number:

New Book Name:

Status: Card Number

Review

Accounts Department
Maintain all Accounts & Fees Related information

Student Details

Name:

RollNumber:

Batch Name:

Total Fees:

Payable Installment:

☐ 1st Installment ☐ 2nd Installment ☐ 3rd Installment ☐ 4th Installment

Review

Transport Department
Maintain all transport related information

Name:

Roll No:

Card No:

Fare:

☐ Fine

Receive Payment

```

using System;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Input;
using System.Windows.Media;
using System.Data.OleDb;
using System.Data;
using System.Windows.Threading;

namespace Index
{
    /// <summary>
    /// Interaction logic for Main_page.xaml
    /// </summary>
    public partial class Main_page : Window
    {

        DispatcherTimer timer = new DispatcherTimer();
        DispatcherTimer timer2 = new DispatcherTimer();
        DispatcherTimer timer3 = new DispatcherTimer();

        public static DispatcherTimer timer1 = new DispatcherTimer();
        public Main_page()
        {
            InitializeComponent();
        }
        public void combobox_Control()
        {
            ComboBox[] combo = new ComboBox[] { comboBox_Copy2, comboBox_Copy, comboBox_Copy1 };
            foreach (ComboBox com in combo)
            {
                com.Items.Add("Select");
                com.Items.Add("Yes");
                com.Items.Add("No");
                com.SelectedIndex = 0;
            }
            comboBox.Items.Add("Select");
            comboBox.Items.Add("CCA");
            comboBox.Items.Add("CCPA");
            comboBox.Items.Add("CACPA");
            comboBox.Items.Add("CSE");
            comboBox.SelectedIndex = 0;
        }
        string roll_no = "";
        int total_fees = 0;
        public void insert_data()
        {
            ComboBox[] combo = new ComboBox[] { comboBox_Copy2, comboBox_Copy, comboBox_Copy1 };
            if (comboBox_Copy.SelectedIndex != 0 && comboBox_Copy1.SelectedIndex != 0 && comboBox_Copy2.SelectedIndex != 0
&& textBox.Text != "" && textBox_Copy.Text != "" && textBox_Copy1.Text != "" && textBox_Copy2.Text != "" &&
textBox_Copy3.Text != "" && textBox_Copy5.Text != "")
            {
                string name = textBox.Text;
                string batch = comboBox.SelectedItem.ToString();
                string rollno = textBox_Copy.Text;
                string add = textBox_Copy1.Text;
                string library = comboBox_Copy.SelectedItem.ToString();
                string bus = comboBox_Copy1.SelectedItem.ToString();
                int libfees = Convert.ToInt32(textBox_Copy2.Text);
                int trnsfees = Convert.ToInt32(textBox_Copy3.Text);
                string scholar = comboBox_Copy2.Text;
                int total = Convert.ToInt32(textBox_Copy5.Text);
                OleDbCommand cmd = new OleDbCommand("insert into std_record values('" + name + "','" + batch + "','" + rollno + "','" +
add + "','" + library + "','" + bus + "','" + libfees + "','" + trnsfees + "','" + scholar + "','" + total + "')", MainWindow.connection());
                cmd.ExecuteNonQuery();
                if (comboBox_Copy.SelectedIndex == 1)
                {
                    string card = "L-" + rollno;
                    OleDbCommand cmd1 = new OleDbCommand("insert into library_department (Student_Name,Roll_no,Batch,Card_no)
values('" + name + "','" + rollno + "','" + batch + "','" + card + "')", MainWindow.connection());

```

```

        cmd1.ExecuteNonQuery();
        OleDbCommand cmd2 = new OleDbCommand("insert into fees (Student_Name,Roll_no,Batch>Total) values('" + name +
        "','" + rollno + "','" + batch + "','" + total + "')", MainWindow.connection());
        cmd2.ExecuteNonQuery();
    }
    if (comboBox_Copy1.SelectedIndex == 1)
    {
        string trans_card = "Bus-" + rollno;
        OleDbCommand cmd1 = new OleDbCommand("insert into Transportation_department
(Student_Name,Roll_no,Batch,Bus_Card_No) values('" + name + "','" + rollno + "','" + batch + "','" + trans_card + "')",
MainWindow.connection());
        cmd1.ExecuteNonQuery();
    }
    timer.Start();
    MessageBox.Show("Record Entired");
}
else { MessageBox.Show("Fill all fields", "Error", MessageBoxButton.OK, MessageBoxImage.Error); }
}
private void Load(object sender, RoutedEventArgs e)
{
    record.Visibility = Visibility.Hidden;
    label2_CopyP.Visibility = Visibility.Hidden;
    label2_Copy1P.Visibility = Visibility.Hidden;
    label2_Copy2P.Visibility = Visibility.Hidden;
    label1.Content = MainWindow.user;
    Label[] lbl = new Label[] { label2, label2_Copy1, label2, label2_Copy };

    combobox_Control();
    //insert.Visibility = Visibility.Visible;
    //Canvas[] canva = new Canvas[] { Delete };
    //foreach (Canvas can in canva)
    //{
    //    can.Visibility = Visibility.Hidden;
    //}
    OleDbCommand cmd = new OleDbCommand("select Username from users where Username like '" + label1.Content + "'",
MainWindow.connection());
    OleDbDataReader read = cmd.ExecuteReader();
    if (read.Read())
    {
        Label[] side_menu = new Label[] { label5_Copy };
        foreach (Label lb in side_menu)
        {
            lb.IsEnabled = false;
            lb.Foreground = new SolidColorBrush(Color.FromRgb(126, 126, 126));
        }
    }
}

private void Timer_Tick(object sender, EventArgs e)
{
    delete();

    OleDbCommand cmd1 = new OleDbCommand("select * from Transportation_department", MainWindow.connection());
    OleDbDataAdapter adpt = new OleDbDataAdapter(cmd1);
    DataSet ds1 = new DataSet();
    adpt.Fill(ds1);
    dataGrid2.ItemsSource = ds1.Tables[0].DefaultView;

    OleDbCommand cmd2 = new OleDbCommand("select * from library_department", MainWindow.connection());
    OleDbDataAdapter adpt1 = new OleDbDataAdapter(cmd2);
    DataSet ds2 = new DataSet();
    adpt.Fill(ds2);
    dataGrid1.ItemsSource = ds2.Tables[0].DefaultView;
    timer.Stop();
}
private void clear()
{
    TextBox[] text = new TextBox[] { textBox, textBox_Copy, textBox_Copy1, textBox_Copy2, textBox_Copy3, textBox_Copy5 };
}

```

```

foreach (TextBox t in text)
{
    t.Clear();
}
ComboBox[] combo = new ComboBox[] { comboBox, comboBox_Copy, comboBox_Copy1, comboBox_Copy2 };
foreach (ComboBox cb in combo)
{
    cb.SelectedIndex = 0;
}
}
private void button_Click(object sender, RoutedEventArgs e)
{
    insert_data();
    clear();
}

private void button_Copy_Click(object sender, RoutedEventArgs e)
{
    TextBox[] text = new TextBox[] { textBox, textBox_Copy, textBox_Copy1, textBox_Copy2, textBox_Copy3, textBox_Copy5 };
    ComboBox[] combo = new ComboBox[] { comboBox, comboBox_Copy2, comboBox_Copy, comboBox_Copy1 };
    foreach (TextBox txt in text)
    {
        txt.Text = "";
    }
    foreach (ComboBox com in combo)
    {
        com.SelectedIndex = 0;
    }
}

private void click(object sender, MouseButtonEventArgs e)
{
    label5.Background = new SolidColorBrush(Colors.Green);
    label5.Foreground = new SolidColorBrush(Colors.Yellow);
    record.Visibility = Visibility.Hidden;
    Label[] label_list = new Label[] { label5_Copy };
    foreach (Label lb in label_list)
    {
        lb.Background = new SolidColorBrush(Colors.WhiteSmoke);
        lb.Foreground = new SolidColorBrush(Colors.Green);
    }
}

private void click1(object sender, MouseButtonEventArgs e)
{
    label5_Copy.Background = new SolidColorBrush(Colors.Green);
    label5_Copy.Foreground = new SolidColorBrush(Colors.Yellow);
    record.Visibility = Visibility.Visible;
    delete();
    label3.Content = "Review / Delete Record";
    label4.Content = "See the details of student & Can also delete unnecessary records";
    Label[] label_list = new Label[] { label5 };
    foreach (Label lb in label_list)
    {
        lb.Background = new SolidColorBrush(Colors.WhiteSmoke);
        lb.Foreground = new SolidColorBrush(Colors.Green);
    }
}

public void delete()
{
    //OleDbCommand cmd = new OleDbCommand("Select * from std_record", MainWindow.connection());
    OleDbDataAdapter data = new OleDbDataAdapter("Select * from std_record", MainWindow.connection());
    DataSet ds = new DataSet();
    data.Fill(ds);
    dataGrid.ItemsSource = ds.Tables[0].DefaultView;
}

```

```

    }

    private void change(object sender, TextChangedEventArgs e)
    {
        OleDbCommand cmd = new OleDbCommand("select * from std_record where [Roll_no] like '%" + textBox1.Text + "%' OR [Student_name] like '%" + textBox1.Text + "%' OR [Batch] like '%" + textBox1.Text + "%'", MainWindow.connection());
        OleDbDataAdapter data = new OleDbDataAdapter(cmd);
        DataSet ds = new DataSet();
        data.Fill(ds);
        DataTable dt = ds.Tables[0];
        dataGrid.ItemsSource = dt.DefaultView;
    }

    string delete_key;
    private void Selection_Change(object sender, SelectionChangedEventArgs e)
    {
        DataGrid gd = (DataGrid)sender;
        DataRowView selected_row = gd.SelectedItem as DataRowView;
        if (selected_row != null)
        {
            button1.IsEnabled = true;
            delete_key = selected_row["Roll_no"].ToString();
        }
        else { button1.IsEnabled = false; delete_key = ""; }
    }

    private void button1_Click(object sender, RoutedEventArgs e)
    {
        MessageBoxResult rs = MessageBox.Show("Sure to delete Record ?", "Warning", MessageBoxButton.OKCancel,
        MessageBoxImage.Warning);
        if (rs == MessageBoxResult.OK)
        {
            OleDbCommand cmd = new OleDbCommand("delete from std_record where Roll_no like '" + delete_key + "'",
            MainWindow.connection());
            cmd.ExecuteNonQuery();
            OleDbCommand cmd1 = new OleDbCommand("delete from fees where Roll_no like '" + delete_key + "'",
            MainWindow.connection());
            cmd1.ExecuteNonQuery();
            OleDbCommand cmd3 = new OleDbCommand("delete from library_department where Roll_no like '" + delete_key + "'",
            MainWindow.connection());
            cmd3.ExecuteNonQuery();
            OleDbCommand cmd4 = new OleDbCommand("delete from Transportation_department where Roll_no like '" + delete_key +
            "'", MainWindow.connection());
            cmd4.ExecuteNonQuery();
            timer.Interval = TimeSpan.FromMilliseconds(1000);
            timer.Tick += Timer_Tick;
            timer.Start();
        }
    }

    private void label2_MouseEnter(object sender, MouseEventArgs e)
    {
        Label[] lb_array = new Label[] { label2, label2_Copy, label2_Copy1, label2_Copy2 };
        Label lb = (Label)sender;
        foreach (Label lbl in lb_array)
        {
            if (lbl.Content == lb.Content)
            {
                lbl.Background = new SolidColorBrush(Color.FromRgb(84, 161, 84));
                lbl.Foreground = new SolidColorBrush(Colors.Yellow);
            }
            else
            {
                if (lbl.IsEnabled != false)
                {
                    lbl.Background = new SolidColorBrush(Colors.Transparent);
                    lbl.Foreground = new SolidColorBrush(Colors.Green);
                }
            }
        }
    }
}

```



```

private void label2_Copy_MouseDown(object sender, MouseButtonEventArgs e)
{

}

private void dataGrid1_SelectionChanged(object sender, SelectionChangedEventArgs e)
{
    DataGrid gd1 = (DataGrid)sender;
    DataRowView dr = gd1.SelectedItem as DataRowView;
    if (dr != null)
    {
        label8.Content = "Student Name: " + dr["Student_Name"].ToString();
        textBox2.Text = dr["Roll_no"].ToString();
        textBox2_Copy.Text = dr["Batch"].ToString();
        textBox2_Copy1.Text = dr["Return_Date"].ToString();
        textBox2_Copy2.Text = dr["Book1"].ToString();
        //label8_Copy4.Content = "Card Number: " + dr["Card_no"].ToString();
        textBox2_Copy3.Text = dr["Card_no"].ToString();
        textBox2_Copy5.Text = dr["Take_Date"].ToString();
        textBox2_Copy4.Text = "";
        label8_Copy9.Content = dr["Status"].ToString();
        if (label8_Copy9.Content.ToString() != "Recived")
            label8_Copy9.Foreground = new SolidColorBrush(Colors.Red);
        else
            label8_Copy9.Foreground = new SolidColorBrush(Colors.Green);
    }
}

private void button2_Click(object sender, RoutedEventArgs e)
{
    string res = "Deactive";
    string no_res = "Active";
    string old_book = "", new_book;
    OleDbCommand cmd1 = new OleDbCommand("select * from Book_list where bookName='" + textBox2_Copy4.Text + "'",
MainWindow.connection());
    OleDbDataReader read = cmd1.ExecuteReader();
    if (read.Read())
    {
        if (read.GetValue(1).ToString() == res)
        {
            MessageBox.Show("Book is not available !!!");
        }
        else
        {
            read.Close();
            OleDbCommand cmd2 = new OleDbCommand("select * from library_department where Card_no='" +
textBox2_Copy3.Text + "'", MainWindow.connection());
            OleDbDataReader read1 = cmd2.ExecuteReader();
            if (read1.Read())
            {
                string stat1 = "Pending";
                old_book = read1.GetValue(4).ToString();
                OleDbCommand cmd3 = new OleDbCommand("update Book_list set stat='" + no_res + "' where bookName='" +
old_book + "'", MainWindow.connection());
                cmd3.ExecuteNonQuery();
                OleDbCommand cmd = new OleDbCommand("Update library_department set Book1='" + textBox2_Copy4.Text + "'
where Card_no like '" + textBox2_Copy3.Text + "'", MainWindow.connection());
                cmd.ExecuteNonQuery();
                OleDbCommand cmd4 = new OleDbCommand("update Book_list set stat='" + res + "' where bookName='" +
textBox2_Copy4.Text + "'", MainWindow.connection());
                cmd4.ExecuteNonQuery();
                OleDbCommand cmd8 = new OleDbCommand("Update library_department set Status='" + stat1 + "' where Card_no like
'" + textBox2_Copy3.Text + "'", MainWindow.connection());
                cmd8.ExecuteNonQuery();
                label9.Content = "Renewed Sucessful !";
                string time = DateTime.Now.ToString("dd MMM yyyy");
                string re = "";

```

```

        OleDbCommand cmd9 = new OleDbCommand("Update library_department set Take_Date='" + time + "' where Card_no"
        like "" + textBox2_Copy3.Text + "'", MainWindow.connection());
        cmd9.ExecuteNonQuery();
        OleDbCommand cmd10 = new OleDbCommand("Update library_department set Return_Date='" + re + "' where Card_no"
        like "" + textBox2_Copy3.Text + "'", MainWindow.connection());
        cmd10.ExecuteNonQuery();
    }

    }
else
{
    if (textBox2_Copy4.Text == "")
    {
        OleDbCommand cmd2 = new OleDbCommand("select * from library_department where Card_no='" +
        textBox2_Copy3.Text + "'", MainWindow.connection());
        OleDbDataReader read1 = cmd2.ExecuteReader();
        if (read1.Read())
        {
            string stat = "Recived";
            old_book = read1.GetValue(4).ToString();
            OleDbCommand cmd5 = new OleDbCommand("update Book_list set stat='" + no_res + "' where bookName='" +
            old_book + "'", MainWindow.connection());
            cmd5.ExecuteNonQuery();
            OleDbCommand cmd6 = new OleDbCommand("Update library_department set Book1='" + textBox2_Copy4.Text + "'
            where Card_no like "" + textBox2_Copy3.Text + "'", MainWindow.connection());
            cmd6.ExecuteNonQuery();
            OleDbCommand cmd7 = new OleDbCommand("Update library_department set Status='" + stat + "' where Card_no like ""
            + textBox2_Copy3.Text + "'", MainWindow.connection());
            cmd7.ExecuteNonQuery();
            string time = DateTime.Now.ToString("dd MMM yyyy");
            string take = "";
            OleDbCommand cmd9 = new OleDbCommand("Update library_department set Return_Date='" + time + "' where
            Card_no like "" + textBox2_Copy3.Text + "'", MainWindow.connection());
            cmd9.ExecuteNonQuery();
            OleDbCommand cmd10 = new OleDbCommand("Update library_department set Take_Date='" + take + "' where Card_no
            like "" + textBox2_Copy3.Text + "'", MainWindow.connection());
            cmd10.ExecuteNonQuery();
        }
    }

    }

    TextBox[] text = new TextBox[] { textBox2, textBox2_Copy, textBox2_Copy1, textBox2_Copy2, textBox2_Copy3,
    textBox2_Copy3, textBox2_Copy4 };
    foreach (TextBox tx in text)
    {
        tx.Clear();
    }
    timer3.Interval = TimeSpan.FromMilliseconds(1000);
    timer3.Tick += Timer3_Tick;
    timer3.Start();
}

private void Timer3_Tick(object sender, EventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from library_department", MainWindow.connection());
    OleDbDataAdapter adpt = new OleDbDataAdapter(cmd);
    DataSet ds = new DataSet();
    adpt.Fill(ds);
    dataGrid1.ItemsSource = ds.Tables[0].DefaultView;
    timer3.Stop();
}

private void library_Loaded(object sender, RoutedEventArgs e)
{
    //textBox2_Copy4.AutoWordSelection
}

private void change1(object sender, TextChangedEventArgs e)
{

```

```

        OleDbCommand cmd = new OleDbCommand("select * from library_department where [Roll_no] like '%" +
textBox1_Copy.Text + "%' or [Card_no] like '%" + textBox1_Copy.Text + "%'", MainWindow.connection());
        OleDbDataAdapter data = new OleDbDataAdapter(cmd);
        DataSet ds = new DataSet();
        data.Fill(ds);
        DataTable dt = ds.Tables[0];
        dataGridView1.ItemsSource = dt.DefaultView;
    }

    private void image1_MouseDown(object sender, MouseButtonEventArgs e)
    {
        this.Close();
    }

    private void comboBox_SelectionChanged(object sender, SelectionChangedEventArgs e)
    {
        string rand_roll = "";
        int[] roll_array = new int[] { 1, 2, 3, 4, 5, 6, 7, 8, 9, 0 };
        Random rand = new Random();
        for (int i = 0; i < 4; i++)
        {
            rand_roll = rand_roll + roll_array[rand.Next(roll_array.Length)];
        }
        if (comboBox.SelectedIndex != 0)
        {
            roll_no = comboBox.SelectedItem.ToString() + rand_roll;
            textBox_Copy.Text = roll_no;
            string batch = comboBox.SelectedItem.ToString();
            if (batch == "CCA")
                total_fees += 6000;
            else if (batch == "CCPA")
                total_fees += 8000;
            else if (batch == "CACPA")
                total_fees += 13500;
            else if (batch == "CSE")
                total_fees += 21000;

            textBox_Copy5.Text = Convert.ToString(total_fees);
        }
        else
        {
            textBox_Copy.Text = "";
            textBox_Copy5.Text = "";
        }
    }

    bool changed1 = false;
    bool changed = false;
    bool changer = false;
    private void comboBox_Copy_SelectionChanged(object sender, SelectionChangedEventArgs e)
    {
        if (comboBox_Copy.SelectedIndex == 1)
        {
            changed = true;
            total_fees = total_fees + 100;
            textBox_Copy2.Text = "100";
            textBox_Copy5.Text = Convert.ToString(total_fees);
        }
        else
        {
            if (changed == true)
            {
                changed = false;
                total_fees = total_fees - 100;
                textBox_Copy2.Text = Convert.ToString(0);
                textBox_Copy5.Text = Convert.ToString(total_fees);
            }
            else
        }
    }

```

```

        {
            textBox_Copy2.Text = Convert.ToString(0);
        }
    }

private void comboBox_Copy1_SelectionChanged(object sender, SelectionChangedEventArgs e)
{
    if (comboBox_Copy1.SelectedIndex == 1)
    {
        changed1 = true;
        total_fees = total_fees + 500;
        textBox_Copy3.Text = "500";
        textBox_Copy5.Text = Convert.ToString(total_fees);
    }
    else if (comboBox_Copy1.SelectedIndex == 2)
    {
        if (changed1 == true)
        {
            changed1 = false;
            total_fees = total_fees - 500;
            textBox_Copy3.Text = Convert.ToString(0);
            textBox_Copy5.Text = Convert.ToString(total_fees);
        }
        else
        {
            textBox_Copy3.Text = Convert.ToString(0);
        }
    }
}

private void comboBox_Copy2_SelectionChanged(object sender, SelectionChangedEventArgs e)
{
    if (comboBox_Copy2.SelectedIndex == 1)
    {
        changer = true;
        total_fees -= 1200;
        textBox_Copy5.Text = Convert.ToString(total_fees);
    }
    else
    {
        if (changer == true)
        {
            total_fees += 1200;
            textBox_Copy5.Text = Convert.ToString(total_fees);
        }
    }
}

private void textBox_Copy3_TextChanged(object sender, TextChangedEventArgs e)
{
}

private void button_Copy1_Click(object sender, RoutedEventArgs e)
{
    clear();
}

private void button3_Click(object sender, RoutedEventArgs e)
{
    Book_List bl = new Book_List();
    bl.Show();
}

private void library_Loaded_1(object sender, RoutedEventArgs e)

```

```

{
    timer1.Interval = TimeSpan.FromMilliseconds(500);
    timer1.Tick += Timer1_Tick;

    OleDbCommand cmd = new OleDbCommand("select * from library_department", MainWindow.connection());
    OleDbDataAdapter adpt = new OleDbDataAdapter(cmd);
    DataSet ds = new DataSet();
    adpt.Fill(ds);
    dataGrid1.ItemsSource = ds.Tables[0].DefaultView;
}

private void Timer1_Tick(object sender, EventArgs e)
{
    textBox2_Copy4.Text = Book_List.bookname;
    timer1.Stop();
}

private void label2_MouseDown(object sender, MouseButtonEventArgs e)
{
    Grid[] lb = new Grid[] { label2P, label2_CopyP, label2_Copy1P, label2_Copy2P,/* label2_Copy3P, label2_Copy31P*/ };
    Label leb = (Label)sender;
    string grid_name = leb.Name + "P";
    foreach (Grid gd in lb)
    {
        if (gd.Name == grid_name)
        {
            gd.Visibility = Visibility.Visible;
        }
        else
        {
            gd.Visibility = Visibility.Hidden;
        }
    }
}

public void installment_fun(int amount, string field, string roll, int total_now)
{
    OleDbCommand cmd = new OleDbCommand("update fees set " + field + "=" + amount + " where Roll_no=" + roll + "",
MainWindow.connection());
    cmd.ExecuteNonQuery();
    OleDbCommand cmd1 = new OleDbCommand("update fees set Total=" + total_now + " where Roll_no=" + roll + "",
MainWindow.connection());
    cmd1.ExecuteNonQuery();
}

private void button4_Click(object sender, RoutedEventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from fees where Roll_no=" + textBox3.Text + "",
MainWindow.connection());
    OleDbDataReader read = cmd.ExecuteReader();
    TextBox[] tx = new TextBox[] { textBox4, textBox4_Copy, textBox4_Copy1, textBox4_Copy2 };
    if (read.Read())
    {
        textBox4.Text = read.GetValue(0).ToString();
        textBox4_Copy.Text = read.GetValue(1).ToString();
        textBox4_Copy1.Text = read.GetValue(2).ToString();
        textBox4_Copy2.Text = read.GetValue(3).ToString();
        int fee = ((25 * Convert.ToInt32(textBox4_Copy2.Text) / 100));
        if (read.GetValue(4).ToString() != "0" && read.GetValue(5).ToString() != "0" && read.GetValue(6).ToString() != "0" &&
read.GetValue(7).ToString() != "0")
        {
            textBox4_Copy3.Text = "Paid";
            button5.IsEnabled = false;
            CheckBox[] ch = new CheckBox[] { c4, c5, c6, c7 };
            foreach (CheckBox c in ch)
            {
                c.IsEnabled = false;
                c.IsChecked = true;
            }
        }
        else
        {

```

```

textBox4_Copy3.Text = Convert.ToString(fee);
button5.IsEnabled = true;
for (int i = 4; i < 8; i++)
{
    if (read.GetValue(i).ToString() == "0")
    {
    }
    else
    {
        if (i == 4)
        {
            c4.IsEnabled = false;
            c4.IsChecked = true;
        }
        else if (i == 5)
        {
            c5.IsEnabled = false;
            c5.IsChecked = true;
        }
        else if (i == 6)
        {
            c6.IsEnabled = false;
            c6.IsChecked = true;
        }
        else if (i == 7)
        {
            c7.IsEnabled = false;
            c7.IsChecked = true;
        }
    }
}
}

else
{
    MessageBox.Show("Invalid Roll Number...", "Information", MessageBoxButton.OK, MessageBoxImage.Information);
}
}

private void button5_Click(object sender, RoutedEventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from fees where Roll_no=" + textBox3.Text + "",
MainWindow.connection());
    OleDbDataReader read = cmd.ExecuteReader();
    if (read.Read())
    {
        int fee = ((25 * Convert.ToInt32(textBox4_Copy2.Text) / 100));
        if (read.GetValue(4).ToString() != "0" && read.GetValue(5).ToString() != "0" && read.GetValue(6).ToString() != "0" &&
read.GetValue(7).ToString() != "0")
        {
            // textBox4_Copy3.Text = "Paid";
        }
        else
        {
            textBox4_Copy3.Text = Convert.ToString(fee);
            for (int i = 4; i < 8; i++)
            {
                if (read.GetValue(i).ToString() == "0")
                {
                    string field = i + "f";
                    OleDbCommand cmd1 = new OleDbCommand("update fees set " + field + "=" + fee + " where Roll_no=" +
textBox4_Copy.Text + "", MainWindow.connection());
                    cmd1.ExecuteNonQuery();
                    break;
                }
            }
        }
    }
}

```

```

    }
    textBox4.Text = "";
    textBox4_Copy.Text = "";
    textBox4_Copy1.Text = "";
    textBox4_Copy2.Text = "";
    textBox4_Copy3.Text = "";
    textBox3.Text = "";
}

private void textBox6_TextChanged(object sender, TextChangedEventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from Transportation_department where Bus_Card_No like '%"+textBox6.Text+"'", MainWindow.connection());
    OleDbDataAdapter adpt = new OleDbDataAdapter(cmd);
    DataSet ds = new DataSet();
    adpt.Fill(ds);
    dataGrid2.ItemsSource = ds.Tables[0].DefaultView;
}

private void label2_Copy2P_Loaded(object sender, RoutedEventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from Transportation_department", MainWindow.connection());
    OleDbDataAdapter adpt = new OleDbDataAdapter(cmd);
    DataSet ds = new DataSet();
    adpt.Fill(ds);
    dataGrid2.ItemsSource = ds.Tables[0].DefaultView;
}

private void dataGrid2_SelectionChanged(object sender, SelectionChangedEventArgs e)
{
    DataGrid gd1 = (DataGrid)sender;
    DataRowView dr = gd1.SelectedItem as DataRowView;
    if (dr != null)
    {
        textBox5.Text = dr["Student_Name"].ToString();
        textBox5_Copy.Text = dr["Roll_no"].ToString();
        textBox5_Copy1.Text = dr["Bus_Card_No"].ToString();
        textBox5_Copy2.Text = Convert.ToString(500);
        if (dr["fine"].ToString() == "Yes")
        {
            checkBox.IsChecked = true;
            checkBox.IsEnabled = false;
        }
        if (dr["fine"].ToString() == "No" || dr["fine"].ToString() == "")
        {
            checkBox.IsChecked = false;
            checkBox.IsEnabled = true;
        }

        if (dr["Fees"].ToString() != "" && dr["Fees"].ToString() != "0")
        {
            MessageBox.Show("Fees Paid", "Info", MessageBoxButton.OK, MessageBoxImage.Information);
            button6.IsEnabled = false;
        }
        if (dr["Fees"].ToString() == "" || dr["Fees"].ToString() == "0")
        {
            button6.IsEnabled = true;
        }
    }
}

string decision = "";
private void button6_Click(object sender, RoutedEventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from Transportation_department where Bus_Card_No=" +
textBox5_Copy1.Text + "", MainWindow.connection());
    OleDbDataReader read = cmd.ExecuteReader();
    if (read.Read())
    {

```

```

        if (read.GetValue(4).ToString() != "0" && read.GetValue(4).ToString() != "")
        {
        }
        else
        {
            OleDbCommand cmd1 = new OleDbCommand("update Transportation_department set Fees=" + textBox5_Copy2.Text + "
where Bus_Card_No=" + textBox5_Copy1.Text + "", MainWindow.connection());
            cmd1.ExecuteNonQuery();
            OleDbCommand cmd2 = new OleDbCommand("update Transportation_department set Fine=" + decision + " where
Bus_Card_No=" + textBox5_Copy1.Text + "", MainWindow.connection());
            cmd2.ExecuteNonQuery();
        }
        timer2.Interval = TimeSpan.FromMilliseconds(1000);
        timer2.Tick += Timer2_Tick;
        timer2.Start();
    }
    else
    {
        MessageBox.Show("Card Number Not Found !!!");
    }
}

private void Timer2_Tick(object sender, EventArgs e)
{
    OleDbCommand cmd = new OleDbCommand("select * from Transportation_department", MainWindow.connection());
    OleDbDataAdapter adpt = new OleDbDataAdapter(cmd);
    DataSet ds = new DataSet();
    adpt.Fill(ds);
    dataGrid2.ItemsSource = ds.Tables[0].DefaultView;
    timer2.Stop();
}

private void checkBox_Checked(object sender, RoutedEventArgs e)
{
    decision = "Yes";
}

private void checkBox_Unchecked(object sender, RoutedEventArgs e)
{
    decision = "No";
}
}
}

```