

features are embedded in this

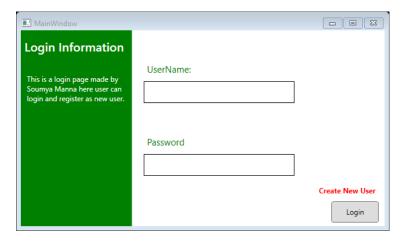
Ramakrishna Mission Shilpa Mandira Computer Centre

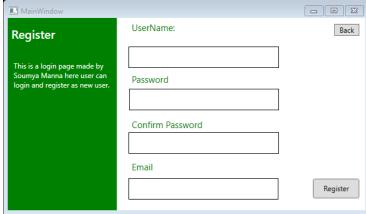
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P05201905C (CCPA)

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

Login & Registration Page:

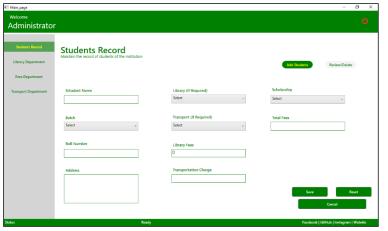




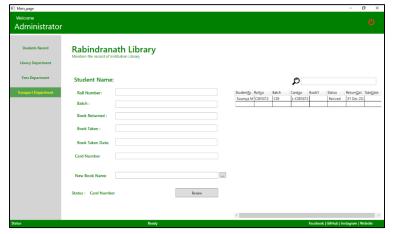
```
using System;
using System.Collections.Generic;
using System.Linq;
using System. Text;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System.Windows.Media;
using System. Windows. Media. Imaging;
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);
```

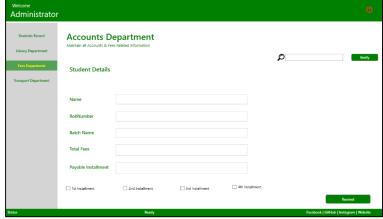
```
timer.Tick += new EventHandler(timer_tick);
       timer.Start();
    public void timer_tick(object sender, EventArgs e)
       label4.Content = DateTime.Now.ToString("dd:MMM:yy, hh:mm:ss tt");
    private void Click_NewUser(object sender, MouseButtonEventArgs e)
       log. Visibility = Visibility.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

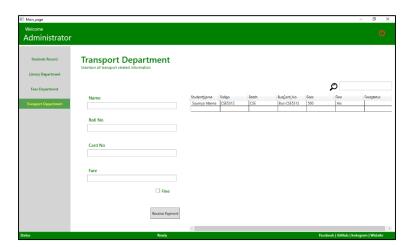
Main Window:











```
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.ExecuteNonOuery();
           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 unnessary recods";
  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 + "%", 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.ExecuteNonOuery();
              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];
       dataGrid1.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. Is E nabled = f alse;
           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);
            button 5. Is Enabled = 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 decisition = "";
    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="" + decisition + "" 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)
      decisition = "Yes";
    private void checkBox_Unchecked(object sender, RoutedEventArgs e)
      decisition = "No";
}
```