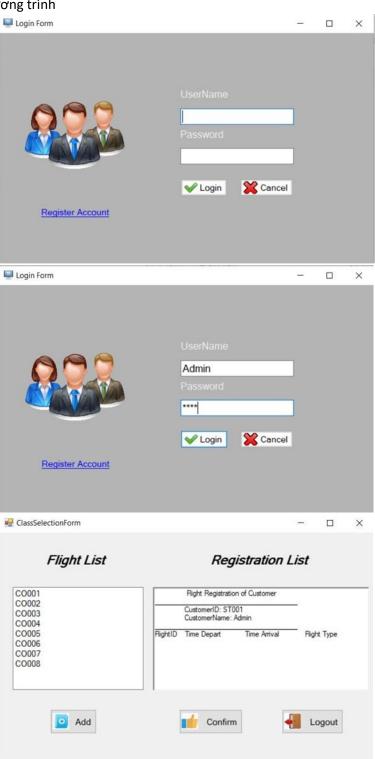
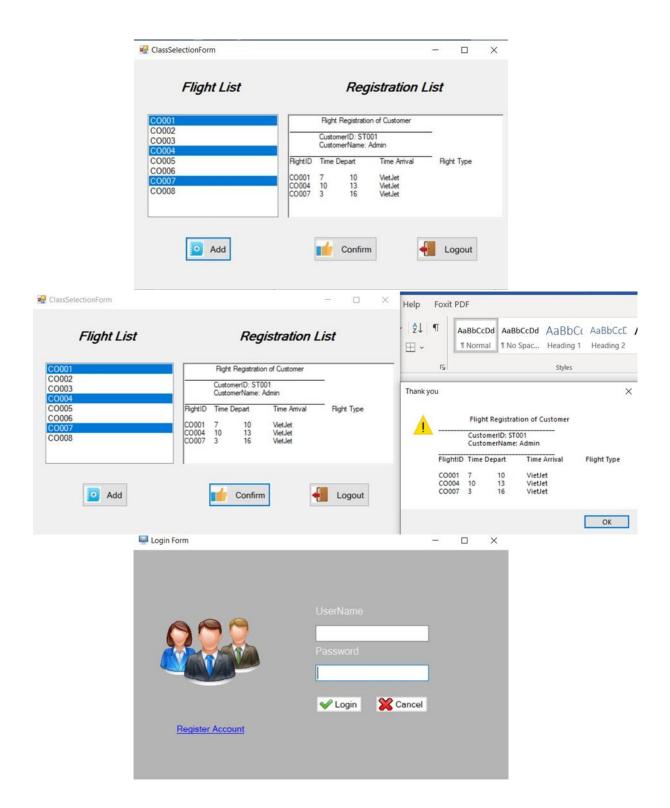
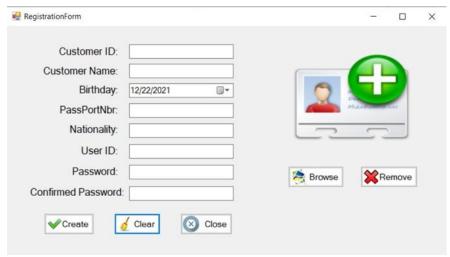
Nguyễn Thanh Tâm

19110435

1. Kết quả chạy chương trình







2. Phần Code

a.file Program.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System. Threading. Tasks;
using System.Windows.Forms;
using static System.Net.Mime.MediaTypeNames;
namespace lab04_LTNet
  static class Program
    /// <summary>
    /// The main entry point for the application.
    /// </summary>
    [STAThread]
    static void Main()
       Application.EnableVisualStyles();
       Application.SetCompatibleTextRenderingDefault(false);
       Application.Run(new LoginForm());
         b. file Customer.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System. Threading. Tasks;
using System.Drawing;
namespace lab04_LTNet
  public enum Sex { Male, Female }
  public class Customer
    public String CustomerID { get; set; }
```

```
public String CustomerName { get; set; }
  public DateTime Birthday { get; set; }
  public String PassPortNbr { get; set; }
  public String Nationality { get; set; }
  public Image Avatar { get; set; }
  public Customer()
    CustomerID = "Not Assigned";
  public Customer(string customerID, string customerName,
  DateTime birthday, string passPortNbr, string nationality, Image avatar)
    CustomerID = customerID;
    CustomerName = customerName;
    Birthday = birthday;
    PassPortNbr = passPortNbr;
    Nationality = nationality;
    Avatar = avatar;
  }
public class User
  public String Username { get; set; }
  public String Password { get; set; }
  public String CustomerID { get; set; }
  public User()
    Username = "Not Assigned";
  public User(string username, string password, string customerID)
    Username = username;
    Password = password;
    CustomerID = customerID;
public class Flight
  public String FlightID { get; set; }
  public String TimeDepart { get; set; }
  public String TimeArrival { get; set; }
  public String FlightType { get; set; }
  public Flight()
    FlightID = "Not Assigned";
  public Flight(string flightID, string timeDepart, string timeArrival, string
 flightType)
    FlightID = flightID;
    TimeDepart = timeDepart;
    TimeArrival = timeArrival;
    FlightType = flightType;
  }
public class FlightRegistration
  public String CustomerID { get; set; }
  public List<Flight> FlightEnrollList;
```

```
public FlightRegistration()
       CustomerID = "No Assigned";
    public FlightRegistration(string customerID)
       CustomerID = customerID;
       FlightEnrollList = new List<Flight>();
  }
         c.file LoginForm.cs
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 Microsoft.Win32;
using static System.Net.Mime.MediaTypeNames;
namespace lab04_LTNet
  public partial class LoginForm: Form
    public static LoginForm OriginalForm;
    public List<Customer> CustomerList;
    public List<User> UserList;
    public List<Flight> FlightList;
    public List<FlightRegistration> FlightRegList;
    public String startupPath;
    public bool ResetLogin;
    public LoginForm()
       InitializeComponent();
       OriginalForm = this;
       startupPath =
      Directory. Get Parent (Directory. Get Current Directory ()). Parent. Full Name; \\
       CustomerList = new List<Customer>();
       CustomerList.Add(new Customer("ST001", "Admin", DateTime.Now, "A1234567",
      "Viet Nam",
       Image.FromFile(startupPath + "\\Images\\Doraemon.jpg")));
       UserList = new List<User>();
       UserList.Add(new User("Admin", "1234", "ST001"));
       FlightList = new List<Flight>();
       FlightList.Add(new Flight("CO001", "7", "10", "VietJet"));
       FlightList.Add(new Flight("CO002", "8", "11", "VietJet"));
       FlightList.Add(new Flight("CO003", "9", "12", "VietJet"));
       FlightList.Add(new Flight("CO004", "10", "13", "VietJet"));
       FlightList.Add(new Flight("CO005", "1", "14", "VietJet"));
       FlightList.Add(new Flight("CO006", "2", "15", "VietJet"));
       FlightList.Add(new Flight("CO007", "3", "16", "VietJet"));
       FlightList.Add(new Flight("CO008", "4", "17", "VietJet"));
       FlightRegList = new List<FlightRegistration>();
       ResetLogin = true;
```

```
private void btnLogin_Click(object sender, EventArgs e)
  if (txtUserName.Text.Length == 0)
     MessageBox.Show("Please Enter Username", "Input Error",
    MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
     txtUserName.Focus();
     return;
  if (txtPassword.Text.Length == 0)
     MessageBox.Show("Please Enter Password", "Input Error",
    MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
     txtPassword.Focus();
     return;
  User SpecificOne = UserList.Find(x => (x.Username == txtUserName.Text) &&
  (x.Password == txtPassword.Text));
  if (SpecificOne == null)
     MessageBox.Show("Username and Password are not matched.\n Please reinput
    or register a new one",
     "User Not Found", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
     txtUserName.Text = "";
     txtPassword.Text = "";
     txtUserName.Focus();
  ClassSelectionForm obj = new ClassSelectionForm();
  User currentUser = UserList.Find(x => (x.Username == txtUserName.Text) &&
  (x.Password == txtPassword.Text));
  obj.SetCurrentUser(currentUser);
  this.Hide();
  obj.Show();
private void btnCancel_Click(object sender, EventArgs e)
  System.Environment.Exit(0);
private void linkLblRegister LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
  RegistrationForm obj = new RegistrationForm();
  this.Hide();
  obj.Show();
private void LoginForm VisibleChanged(object sender, EventArgs e)
  if (ResetLogin == true)
     txtUserName.Text = "";
     txtPassword.Text = "";
}
    d. LoginForm.Design.cs
```

```
namespace lab04_LTNet
  partial class LoginForm
    /// <summary>
    /// Required designer variable.
    /// </summary>
    private System.ComponentModel.IContainer components = null;
    /// <summary>
    /// Clean up any resources being used.
    /// </summary>
    /// <param name="disposing">true if managed resources should be disposed;
    otherwise, false.</param>
protected override void Dispose(bool disposing)
       if (disposing && (components != null))
         components.Dispose();
       base.Dispose(disposing);
    #region Windows Form Designer generated code
    /// <summary>
    /// Required method for Designer support - do not modify
    /// the contents of this method with the code editor.
    /// </summary>
    private void InitializeComponent()
       System.ComponentModel.ComponentResourceManager resources = new
      System.ComponentModel.ComponentResourceManager(typeof(LoginForm));
       this.pictureBox1 = new System.Windows.Forms.PictureBox();
       this.label1 = new System.Windows.Forms.Label();
       this.label2 = new System.Windows.Forms.Label();
       this.txtUserName = new System.Windows.Forms.TextBox();
       this.txtPassword = new System.Windows.Forms.TextBox();
       this.btnLogin = new System.Windows.Forms.Button();
       this.btnCancel = new System.Windows.Forms.Button();
       this.linkLblRegister = new System.Windows.Forms.LinkLabel();
       ((System. Component Model. IS upport Initialize) (this.picture Box 1)). Begin Init();\\
       this.SuspendLayout();
       // pictureBox1
       this.pictureBox1.Image =
      ((System.Drawing.Image)(resources.GetObject("pictureBox1.Image")));
       this.pictureBox1.Location = new System.Drawing.Point(43, 66);
       this.pictureBox1.Name = "pictureBox1";
       this.pictureBox1.Size = new System.Drawing.Size(241, 255);
       this.pictureBox1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;
       this.pictureBox1.TabIndex = 0;
       this.pictureBox1.TabStop = false;
       // label1
       this.label1.AutoSize = true:
       this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
      System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
       this.label1.ForeColor = System.Drawing.SystemColors.ButtonFace;
       this.label1.Location = new System.Drawing.Point(383, 107);
```

```
this.label1.Name = "label1";
this.label1.Size = new System.Drawing.Size(105, 25);
this.label1.TabIndex = 1;
this.label1.Text = "UserName";
// label2
//
this.label2.AutoSize = true;
this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label2.ForeColor = System.Drawing.SystemColors.ButtonFace;
this.label2.Location = new System.Drawing.Point(383, 186);
this.label2.Name = "label2";
this.label2.Size = new System.Drawing.Size(98, 25);
this.label2.TabIndex = 1;
this.label2.Text = "Password";
// txtUserName
this.txtUserName.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txtUserName.Location = new System.Drawing.Point(388, 148);
this.txtUserName.Name = "txtUserName";
this.txtUserName.Size = new System.Drawing.Size(240, 30);
this.txtUserName.TabIndex = 2;
// txtPassword
this.txtPassword.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txtPassword.Location = new System.Drawing.Point(388, 225);
this.txtPassword.Name = "txtPassword";
this.txtPassword.PasswordChar = '*';
this.txtPassword.Size = new System.Drawing.Size(240, 30);
this.txtPassword.TabIndex = 2;
//
// btnLogin
this.btnLogin.BackColor = System.Drawing.SystemColors.ButtonHighlight;
this.btnLogin.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnLogin.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.btnLogin.Image =
((System.Drawing.Image)(resources.GetObject("btnLogin.Image")));
this.btnLogin.ImageAlign = System.Drawing.ContentAlignment.MiddleLeft;
this.btnLogin.Location = new System.Drawing.Point(388, 286);
this.btnLogin.Name = "btnLogin";
this.btnLogin.Size = new System.Drawing.Size(100, 34);
this.btnLogin.TabIndex = 3;
this.btnLogin.Text = "&Login";
this. btnLogin. TextAlign = System. Drawing. ContentAlignment. Middle Right; \\
this.btnLogin.UseVisualStyleBackColor = false;
this.btnLogin.Click += new System.EventHandler(this.btnLogin_Click);
// btnCancel
this.btnCancel.BackColor = System.Drawing.SystemColors.ButtonHighlight;
this.btnCancel.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnCancel.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F,
```

```
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
  this.btnCancel.Image =
  ((System.Drawing.Image)(resources.GetObject("btnCancel.Image")));
  this.btnCancel.ImageAlign = System.Drawing.ContentAlignment.MiddleLeft;
  this.btnCancel.Location = new System.Drawing.Point(515, 286);
  this.btnCancel.Name = "btnCancel";
  this.btnCancel.Size = new System.Drawing.Size(113, 34);
  this.btnCancel.TabIndex = 3;
  this.btnCancel.Text = "&Cancel";
  this.btnCancel.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
  this.btnCancel.UseVisualStyleBackColor = false;
  this.btnCancel.Click += new System.EventHandler(this.btnCancel_Click);
  // linkLblRegister
  this.linkLblRegister.AutoSize = true;
  this.linkLblRegister.Font = new System.Drawing.Font("Microsoft Sans Serif",
  10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
  this.linkLblRegister.Location = new System.Drawing.Point(88, 340);
  this.linkLblRegister.Name = "linkLblRegister";
  this.linkLblRegister.Size = new System.Drawing.Size(138, 20);
  this.linkLblRegister.TabIndex = 4;
  this.linkLblRegister.TabStop = true;
  this.linkLblRegister.Text = "Register Account";
  this.linkLblRegister.LinkClicked += new
  System.Windows.Forms.LinkLabelLinkClickedEventHandler(this.linkLblRegister_LinkClicked);
  // LoginForm
  this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
  this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
  this.BackColor = System.Drawing.SystemColors.ActiveBorder;
  this.ClientSize = new System.Drawing.Size(800, 450);
  this.Controls.Add(this.linkLblRegister);
  this.Controls.Add(this.btnCancel);
  this.Controls.Add(this.btnLogin);
  this.Controls.Add(this.txtPassword);
  this.Controls.Add(this.txtUserName);
  this.Controls.Add(this.label2);
  this.Controls.Add(this.label1);
  this.Controls.Add(this.pictureBox1);
  this.Icon = ((System.Drawing.Icon)(resources.GetObject("$this.Icon")));
  this.Name = "LoginForm";
  this.Text = "Login Form";
  ((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).EndInit();
  this.ResumeLayout(false);
  this.PerformLayout();
#endregion
private System. Windows. Forms. PictureBox pictureBox1;
private System. Windows. Forms. Label label1;
private System. Windows. Forms. Label label2;
private System. Windows. Forms. TextBox txtUserName;
private System. Windows. Forms. TextBox txtPassword;
private System. Windows. Forms. Button btnLogin;
private System. Windows. Forms. Button btnCancel;
private System. Windows. Forms. Link Label link Lbl Register;
```

e. file Registration.cs

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Ling;
using System.Text;
using System. Threading. Tasks;
using System.Windows.Forms;
using System.IO;
using static System.Net.Mime.MediaTypeNames;
namespace lab04_LTNet
  public partial class RegistrationForm: Form
    string startupPath;
    string AvatarPath;
    LoginForm ParentForm;
    public RegistrationForm()
       InitializeComponent();
       startupPath = LoginForm.OriginalForm.startupPath;
       ParentForm = LoginForm.OriginalForm;
    private void btnBrowse_Click(object sender, EventArgs e)
       openFileDlg.Title = "Find Avatar Image";
       openFileDlg.Filter = "JPG files|*.ipg";
       openFileDlg.InitialDirectory = startupPath;
       if (openFileDlg.ShowDialog() == DialogResult.OK)
         AvatarPath = openFileDlg.FileName;
         picAvatar.Image = Image.FromFile(AvatarPath);
         startupPath = Path.GetDirectoryName(AvatarPath);
         picAvatar.SizeMode = PictureBoxSizeMode.StretchImage;
    private void btnClose_Click(object sender, EventArgs e)
       this.Close();
       ParentForm.Show();
    private void btnRemove_Click(object sender, EventArgs e)
       ComponentResourceManager resources = new
      ComponentResourceManager(typeof(RegistrationForm));
       picAvatar.Image =
      ((System.Drawing.Image)(resources.GetObject("picAvatar.Image")));
       picAvatar.SizeMode = PictureBoxSizeMode.StretchImage;
    private void btnCreate_Click(object sender, EventArgs e)
       User obj = new User();
       Customer objCustomer = new Customer();
```

```
if (txtUserID.Text.Trim().Length == 0 || txtPassword.Text.Trim().Length == 0
  txtCustomerID.Text.Trim().Length == 0)
    MessageBox.Show("CustomerID, UserID, Password are not blank", "Input
    Error",
    MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
    return;
  if (txtPassword.Text != txtCfPassword.Text)
    MessageBox.Show("Password and Confirm Password are not matched", "Input
    Error",
    MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
    return;
  User SpecificOne = ParentForm.UserList.Find(x => (x.Username ==
 txtUserID.Text) && (x.Password == txtPassword.Text));
  if (SpecificOne != null)
    MessageBox.Show("UserID is existed", "Input Error",
    MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
    return;
  obj.Username = txtUserID.Text;
  obj.Password = txtPassword.Text;
  obj.CustomerID = txtCustomerID.Text;
  objCustomer.CustomerID = txtCustomerID.Text;
  objCustomer.CustomerName = txtCustomerName.Text;
  objCustomer.Birthday = dtBirthday.Value;
  objCustomer.PassPortNbr = txtPassPortNbr.Text;
  objCustomer.Nationality = txtNationality.Text;
  objCustomer.Avatar = picAvatar.Image;
  ParentForm.UserList.Add(obj);
  ParentForm.CustomerList.Add(objCustomer);
  MessageBox.Show("New UserID is created", "Account Created",
  MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
private void btnClear Click(object sender, EventArgs e)
  txtCustomerID.Text = "":
  txtCustomerName.Text = "";
  dtBirthday.Value = DateTime.Now;
  txtPassPortNbr.Text = "";
  txtNationality.Text = "";
  txtUserID.Text = "";
  txtPassword.Text = "";
  txtCfPassword.Text = "";
  ComponentResourceManager resources = new
 ComponentResourceManager(typeof(RegistrationForm));
  picAvatar.Image =
 ((System.Drawing.Image)(resources.GetObject("picAvatar.Image")));
  picAvatar.SizeMode = PictureBoxSizeMode.StretchImage;
```

}

f. file ClassSelectionForm.cs

```
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 lab04_LTNet
  public partial class ClassSelectionForm: Form
    LoginForm ParentForm;
    string strRegistration;
    public Customer currentCustomer;
    public User currentUser;
    public int idxRegistration;
    public ClassSelectionForm()
       InitializeComponent();
       ParentForm = LoginForm.OriginalForm;
       foreach (Flight obj in ParentForm.FlightList)
         lsbFlightList.Items.Add(obj.FlightID);
       rtxtRegistrationInfo.Text = "";
    public void SetCurrentUser(User user)
       currentUser = user;
       currentCustomer = ParentForm.CustomerList.Find(x => (x.CustomerID ==
      currentUser.CustomerID));
       idxRegistration = ParentForm.FlightRegList.FindIndex(x => (x.CustomerID ==
      currentUser.CustomerID));
       if (idxRegistration == 0)
         foreach (Flight obj in
         ParentForm.FlightRegList[idxRegistration].FlightEnrollList)
            int idx = lsbFlightList.FindString(obj.FlightID.Trim());
            lsbFlightList.SetSelected(idx, true);
       ShowRegistrationInfo();
    public string ShowRegistrationInfo()
       strRegistration = "\t Flight Registration of Customer\n";
       strRegistration += "
       strRegistration += String.Format("\tCustomerID: {0}\n\tCustomerName: {1}\n",
       currentCustomer.CustomerID, currentCustomer.CustomerName);
       strRegistration += "
       strRegistration += "FlightID\tTime Depart\tTime Arrival\tFlight Type\n";
       Flight obi;
       foreach (Object selectedItem in lsbFlightList.SelectedItems)
         obj = ParentForm.FlightList.Find(x => (x.FlightID ==
         selectedItem.ToString()));
         if (obj != null)
```

```
strRegistration += "\n" + obj.FlightID + "\t\t" + obj.TimeDepart +
           obj.TimeArrival + "\t\t" + obj.FlightType;
       rtxtRegistrationInfo.Text = strRegistration;
       return strRegistration;
    private void btnLogout_Click(object sender, EventArgs e)
       this.Close();
       ParentForm.ResetLogin = true;
       ParentForm.Show();
    private void btnAdd_Click(object sender, EventArgs e)
       if (idxRegistration < 0)
         ParentForm.FlightRegList.Add(new
         FlightRegistration(currentCustomer.CustomerID));
         idxRegistration = ParentForm.FlightRegList.FindIndex(x => (x.CustomerID))
         == currentUser.CustomerID));
         Flight obj;
         foreach (Object selectedItem in lsbFlightList.SelectedItems)
           obj = ParentForm.FlightList.Find(x => (x.FlightID ==
           selectedItem.ToString()));
           ParentForm.FlightRegList[idxRegistration].FlightEnrollList.Add(obj);\\
       ShowRegistrationInfo();
    private void btnConfirm_Click(object sender, EventArgs e)
       MessageBox.Show(ShowRegistrationInfo(), "Thank you",
       MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
  }
         g.file Registration.Design.cs
namespace lab04_LTNet
  partial class RegistrationForm
    /// <summary>
    /// Required designer variable.
    /// </summary>
    private System.ComponentModel.IContainer components = null;
    /// <summary>
    /// Clean up any resources being used.
    /// </summary>
    /// <param name="disposing">true if managed resources should be disposed;
    otherwise, false.</param>
protected override void Dispose(bool disposing)
       if (disposing && (components != null))
         components.Dispose();
```

```
base.Dispose(disposing);
#region Windows Form Designer generated code
/// <summary>
/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
/// </summary>
private void InitializeComponent()
    System.ComponentModel.ComponentResourceManager\ resources = new
   System. Component Model. Component Resource Manager (type of (Registration Formation Formation)) and the state of the properties of the 
    this.label1 = new System.Windows.Forms.Label();
    this.label2 = new System.Windows.Forms.Label();
    this.label3 = new System.Windows.Forms.Label();
    this.label4 = new System.Windows.Forms.Label();
    this.label5 = new System.Windows.Forms.Label();
    this.label6 = new System.Windows.Forms.Label();
    this.label7 = new System.Windows.Forms.Label();
    this.label8 = new System.Windows.Forms.Label();
    this.txtCustomerID = new System.Windows.Forms.TextBox();
    this.txtCustomerName = new System.Windows.Forms.TextBox();
    this.txtPassPortNbr = new System.Windows.Forms.TextBox();
    this.txtNationality = new System.Windows.Forms.TextBox();
    this.txtUserID = new System.Windows.Forms.TextBox();
    this.txtPassword = new System.Windows.Forms.TextBox();
    this.txtCfPassword = new System.Windows.Forms.TextBox();
    this.dtBirthday = new System.Windows.Forms.DateTimePicker();
    this.picAvatar = new System.Windows.Forms.PictureBox();
    this.btnBrowse = new System.Windows.Forms.Button();
    this.btnRemove = new System.Windows.Forms.Button();
    this.btnCreate = new System.Windows.Forms.Button();
    this.btnClear = new System.Windows.Forms.Button();
    this.btnClose = new System.Windows.Forms.Button();
    this.openFileDlg = new System.Windows.Forms.OpenFileDialog();
    ((System.ComponentModel.ISupportInitialize)(this.picAvatar)).BeginInit();
    this.SuspendLayout();
    //
    // label1
    this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F.
   System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
   ((byte)(0));
    this.label1.Location = new System.Drawing.Point(46, 37);
    this.label1.Name = "label1";
    this.label1.Size = new System.Drawing.Size(199, 25);
    this.label1.TabIndex = 0;
    this.label1.Text = "Customer ID:";
    this.label1.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
    // label2
    this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
   System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
   ((byte)(0));
    this.label2.Location = new System.Drawing.Point(46, 75);
    this.label2.Name = "label2":
    this.label2.Size = new System.Drawing.Size(199, 25);
```

```
this.label2.TabIndex = 0;
this.label2.Text = "Customer Name:";
this.label2.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
//
// label3
this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.label3.Location = new System.Drawing.Point(46, 112);
this.label3.Name = "label3";
this.label3.Size = new System.Drawing.Size(199, 25);
this.label3.TabIndex = 0;
this.label3.Text = "Birthday:";
this.label 3. Text A lign = System. Drawing. Content A lignment. Middle Right; \\
// label4
this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.label4.Location = new System.Drawing.Point(46, 151);
this.label4.Name = "label4";
this.label4.Size = new System.Drawing.Size(199, 25);
this.label4.TabIndex = 0;
this.label4.Text = "PassPortNbr:";
this.label4.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
//
// label5
//
this.label5.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.label5.Location = new System.Drawing.Point(46, 231);
this.label5.Name = "label5";
this.label5.Size = new System.Drawing.Size(199, 25);
this.label5.TabIndex = 0;
this.label5.Text = "User ID:";
this.label5.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
//
// label6
this.label6.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.label6.Location = new System.Drawing.Point(46, 272);
this.label6.Name = "label6";
this.label6.Size = new System.Drawing.Size(199, 25);
this.label6.TabIndex = 0;
this.label6.Text = "Password:";
this.label6.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
//
// label7
this.label7.AutoSize = true:
this.label7.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.label7.Location = new System.Drawing.Point(46, 313);
```

```
this.label7.Name = "label7";
this.label7.Size = new System.Drawing.Size(199, 25);
this.label7.TabIndex = 0;
this.label7.Text = "Confirmed Password:";
this.label7.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
// label8
//
this.label8.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.label8.Location = new System.Drawing.Point(45, 190);
this.label8.Name = "label8";
this.label8.Size = new System.Drawing.Size(199, 25);
this.label8.TabIndex = 0;
this.label8.Text = "Nationality:";
this.label8.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
// txtCustomerID
this.txtCustomerID.Font = new System.Drawing.Font("Microsoft Sans
Serif", 10F, System.Drawing.FontStyle.Regular,
System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txtCustomerID.Location = new System.Drawing.Point(261, 36);
this.txtCustomerID.Name = "txtCustomerID";
this.txtCustomerID.Size = new System.Drawing.Size(221, 26);
this.txtCustomerID.TabIndex = 1;
// txtCustomerName
this.txtCustomerName.Font = new System.Drawing.Font("Microsoft Sans
Serif", 10F, System.Drawing.FontStyle.Regular,
System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txtCustomerName.Location = new System.Drawing.Point(261, 74);
this.txtCustomerName.Name = "txtCustomerName";
this.txtCustomerName.Size = new System.Drawing.Size(221, 26);
this.txtCustomerName.TabIndex = 1;
//
// txtPassPortNbr
this.txtPassPortNbr.Font = new System.Drawing.Font("Microsoft Sans
Serif", 10F, System, Drawing, Font Style, Regular,
System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txtPassPortNbr.Location = new System.Drawing.Point(261, 151);
this.txtPassPortNbr.Name = "txtPassPortNbr";
this.txtPassPortNbr.Size = new System.Drawing.Size(221, 26);
this.txtPassPortNbr.TabIndex = 1;
// txtNationality
this.txtNationality.Font = new System.Drawing.Font("Microsoft Sans Serif",
10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.txtNationality.Location = new System.Drawing.Point(261, 191);
this.txtNationality.Name = "txtNationality";
this.txtNationality.Size = new System.Drawing.Size(221, 26);
this.txtNationality.TabIndex = 1;
//
// txtUserID
```

```
//
 this.txtUserID.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F,
System. Drawing. Font Style. Regular, \, System. Drawing. Graphics Unit. Point, \, and \, an extension of the property of the p
((byte)(0));
 this.txtUserID.Location = new System.Drawing.Point(261, 232);
 this.txtUserID.Name = "txtUserID";
 this.txtUserID.Size = new System.Drawing.Size(221, 26);
 this.txtUserID.TabIndex = 1;
 // txtPassword
 this.txtPassword.Font = new System.Drawing.Font("Microsoft Sans Serif",
10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
 this.txtPassword.Location = new System.Drawing.Point(261, 272);
 this.txtPassword.Name = "txtPassword";
 this.txtPassword.Size = new System.Drawing.Size(221, 26);
 this.txtPassword.TabIndex = 1;
 // txtCfPassword
 this.txtCfPassword.Font = new System.Drawing.Font("Microsoft Sans Serif",
10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
 this.txtCfPassword.Location = new System.Drawing.Point(261, 314);
 this.txtCfPassword.Name = "txtCfPassword";
 this.txtCfPassword.Size = new System.Drawing.Size(221, 26);
 this.txtCfPassword.TabIndex = 1;
 //
 // dtBirthday
 this.dtBirthday.Font = new System.Drawing.Font("Microsoft Sans Serif",
10F);
 this.dtBirthday.Format =
System. Windows. Forms. Date Time Picker Format. Short;\\
 this.dtBirthday.Location = new System.Drawing.Point(261, 112);
 this.dtBirthday.Name = "dtBirthday";
 this.dtBirthday.Size = new System.Drawing.Size(221, 26);
 this.dtBirthday.TabIndex = 2;
 //
 // picAvatar
 this.picAvatar.Cursor = System.Windows.Forms.Cursors.Hand;
 this.picAvatar.Image =
((System.Drawing.Image)(resources.GetObject("picAvatar.Image")));
 this.picAvatar.Location = new System.Drawing.Point(610, 50);
 this.picAvatar.Name = "picAvatar";
 this.picAvatar.Size = new System.Drawing.Size(251, 191);
 this.picAvatar.SizeMode =
System.Windows.Forms.PictureBoxSizeMode.Zoom;
 this.picAvatar.TabIndex = 3;
 this.picAvatar.TabStop = false;
 // btnBrowse
 this.btnBrowse.BackColor = System.Drawing.SystemColors.ButtonHighlight;
 this.btnBrowse.Cursor = System.Windows.Forms.Cursors.Hand;
 this.btnBrowse.Font = new System.Drawing.Font("Microsoft Sans Serif",
10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
```

```
((byte)(0));
this.btnBrowse.Image =
((System.Drawing.Image)(resources.GetObject("btnBrowse.Image")));
this.btnBrowse.ImageAlign =
System.Drawing.ContentAlignment.MiddleLeft;
this.btnBrowse.Location = new System.Drawing.Point(600, 274);
this.btnBrowse.Name = "btnBrowse";
this.btnBrowse.Size = new System.Drawing.Size(119, 42);
this.btnBrowse.TabIndex = 4;
this.btnBrowse.Text = "&Browse";
this.btnBrowse.TextAlign =
System.Drawing.ContentAlignment.MiddleRight;
this.btnBrowse.UseVisualStyleBackColor = false;
this.btnBrowse.Click += new System.EventHandler(this.btnBrowse_Click);
// btnRemove
this.btnRemove.BackColor =
System.Drawing.SystemColors.ButtonHighlight;
this.btnRemove.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnRemove.Font = new System.Drawing.Font("Microsoft Sans Serif",
10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.btnRemove.Image =
((System.Drawing.Image)(resources.GetObject("btnRemove.Image")));
this.btnRemove.ImageAlign =
System.Drawing.ContentAlignment.MiddleLeft;
this.btnRemove.Location = new System.Drawing.Point(754, 274);
this.btnRemove.Name = "btnRemove";
this.btnRemove.Size = new System.Drawing.Size(121, 42);
this.btnRemove.TabIndex = 4;
this.btnRemove.Text = "&Remove";
this.btnRemove.TextAlign =
System.Drawing.ContentAlignment.MiddleRight;
this.btnRemove.UseVisualStyleBackColor = false;
this.btnRemove.Click += new System.EventHandler(this.btnRemove_Click);
//
// btnCreate
this.btnCreate.BackColor = System.Drawing.SystemColors.ButtonHighlight;
this.btnCreate.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnCreate.Font = new System.Drawing.Font("Microsoft Sans Serif".
10F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.btnCreate.Image =
((System.Drawing.Image)(resources.GetObject("btnCreate.Image")));
this.btnCreate.ImageAlign =
System.Drawing.ContentAlignment.MiddleLeft;
this.btnCreate.Location = new System.Drawing.Point(80, 367);
this.btnCreate.Name = "btnCreate";
this.btnCreate.Size = new System.Drawing.Size(106, 42);
this.btnCreate.TabIndex = 4;
this.btnCreate.Text = "&Create";
this.btnCreate.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
this.btnCreate.UseVisualStyleBackColor = false;
this.btnCreate.Click += new System.EventHandler(this.btnCreate Click);
// btnClear
//
```

```
this.btnClear.BackColor = System.Drawing.SystemColors.ButtonHighlight;\\
this.btnClear.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnClear.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.btnClear.Image =
((System.Drawing.Image)(resources.GetObject("btnClear.Image")));
this.btnClear.ImageAlign = System.Drawing.ContentAlignment.MiddleLeft; \\
this.btnClear.Location = new System.Drawing.Point(230, 367);
this.btnClear.Name = "btnClear";
this.btnClear.Size = new System.Drawing.Size(99, 42);
this.btnClear.TabIndex = 4;
this.btnClear.Text = "&Clear";
this.btnClear.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
this.btnClear.UseVisualStyleBackColor = false;
this.btnClear.Click += new System.EventHandler(this.btnClear_Click);
// btnClose
this.btnClose.BackColor = System.Drawing.SystemColors.ButtonHighlight;
this.btnClose.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnClose.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point,
((byte)(0));
this.btnClose.Image =
((System.Drawing.Image)(resources.GetObject("btnClose.Image")));
this.btnClose.ImageAlign = System.Drawing.ContentAlignment.MiddleLeft;
this.btnClose.Location = new System.Drawing.Point(371, 367);
this.btnClose.Name = "btnClose";
this.btnClose.Size = new System.Drawing.Size(111, 42);
this.btnClose.TabIndex = 4;
this.btnClose.Text = "&Close";
this.btnClose.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
this.btnClose.UseVisualStyleBackColor = false;
this.btnClose.Click += new System.EventHandler(this.btnClose_Click);
// openFileDlg
this.openFileDlg.FileName = "openFileDialog";
// RegistrationForm
this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F):
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.ClientSize = new System.Drawing.Size(939, 450);
this.Controls.Add(this.btnRemove);
this.Controls.Add(this.btnClose);
this.Controls.Add(this.btnClear);
this.Controls.Add(this.btnCreate);
this.Controls.Add(this.btnBrowse);
this.Controls.Add(this.picAvatar);
this.Controls.Add(this.dtBirthday);
this.Controls.Add(this.txtCfPassword);
this.Controls.Add(this.txtPassword);
this.Controls.Add(this.txtUserID);
this.Controls.Add(this.txtNationality);
this.Controls.Add(this.txtPassPortNbr);
this.Controls.Add(this.txtCustomerName):
this.Controls.Add(this.txtCustomerID);
```

```
this.Controls.Add(this.label7);
       this.Controls.Add(this.label6);
       this.Controls.Add(this.label5);
       this.Controls.Add(this.label8);
       this.Controls.Add(this.label4);
       this.Controls.Add(this.label3);
       this.Controls.Add(this.label2);
       this.Controls.Add(this.label1);
       this.Name = "RegistrationForm";
       this.Text = "RegistrationForm";
       ((System.ComponentModel.ISupportInitialize)(this.picAvatar)).EndInit();
       this.ResumeLayout(false);
       this.PerformLayout();
    #endregion
    private System. Windows. Forms. Label label1;
    private System. Windows. Forms. Label label2;
    private System. Windows. Forms. Label label3;
    private System. Windows. Forms. Label label4;
    private System. Windows. Forms. Label label5;
    private System. Windows. Forms. Label label6;
    private System. Windows. Forms. Label label7;
    private System. Windows. Forms. Label label8;
    private System.Windows.Forms.TextBox txtCustomerID;
    private System.Windows.Forms.TextBox txtCustomerName;
    private System.Windows.Forms.TextBox txtPassPortNbr;
    private System. Windows. Forms. TextBox txtNationality;
    private System.Windows.Forms.TextBox txtUserID;
    private System.Windows.Forms.TextBox txtPassword;
    private System.Windows.Forms.TextBox txtCfPassword;
    private System.Windows.Forms.DateTimePicker dtBirthday;
    private System. Windows. Forms. PictureBox picAvatar;
    private System. Windows. Forms. Button btnBrowse;
    private System. Windows. Forms. Button btnRemove;
    private System. Windows. Forms. Button btnCreate;
    private System. Windows. Forms. Button btnClear;
    private System. Windows. Forms. Button btnClose;
    private System. Windows. Forms. OpenFileDialog openFileDlg;
}
         h. file ClassSelection.Design.cs
namespace lab04_LTNet
  partial class ClassSelectionForm
    /// <summary>
    /// Required designer variable.
    /// </summary>
    private System.ComponentModel.IContainer components = null;
    /// <summary>
    /// Clean up any resources being used.
    /// </summary>
    /// <param name="disposing">true if managed resources should be disposed;
    otherwise, false.</param>
protected override void Dispose(bool disposing)
       if (disposing && (components != null))
```

```
components.Dispose();
  base.Dispose(disposing);
#region Windows Form Designer generated code
/// <summary>
/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
/// </summary>
private void InitializeComponent()
  System.ComponentModel.ComponentResourceManager resources = new
  System.ComponentModel.ComponentResourceManager(typeof(ClassSelectionForm));
  this.label1 = new System.Windows.Forms.Label();
  this.label2 = new System.Windows.Forms.Label();
  this.lsbFlightList = new System.Windows.Forms.ListBox();
  this.rtxtRegistrationInfo = new System.Windows.Forms.RichTextBox();
  this.btnAdd = new System.Windows.Forms.Button();
  this.btnConfirm = new System.Windows.Forms.Button();
  this.btnLogout = new System.Windows.Forms.Button();
  this.SuspendLayout();
  // label1
  this.label1.AutoSize = true;
  this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 15F,
  ((System.Drawing.FontStyle)((System.Drawing.FontStyle.Bold |
  System.Drawing.FontStyle.Italic))), System.Drawing.GraphicsUnit.Point, ((byte)(0)));
  this.label1.Location = new System.Drawing.Point(93, 38);
  this.label1.Name = "label1";
  this.label1.Size = new System.Drawing.Size(133, 29);
  this.label1.TabIndex = 0;
  this.label1.Text = "Flight List";
  // label2
  this.label2.AutoSize = true;
  this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 15F,
  ((System.Drawing.FontStyle)((System.Drawing.FontStyle.Bold |
  System.Drawing.FontStyle.Italic))), System.Drawing.GraphicsUnit.Point, ((byte)(0)));
  this.label2.Location = new System.Drawing.Point(444, 38);
  this.label2.Name = "label2":
  this.label2.Size = new System.Drawing.Size(212, 29);
  this.label2.TabIndex = 0;
  this.label2.Text = "Registration List";
  // lsbFlightList
  this.lsbFlightList.Font = new System.Drawing.Font("Microsoft Sans Serif",
  10F);
  this.lsbFlightList.FormattingEnabled = true;
  this.lsbFlightList.ItemHeight = 20;
  this.lsbFlightList.Location = new System.Drawing.Point(30, 107);
  this.lsbFlightList.Name = "lsbFlightList";
  this.lsbFlightList.SelectionMode =
  System.Windows.Forms.SelectionMode.MultiSimple;
  this.lsbFlightList.Size = new System.Drawing.Size(277, 204);
  this.lsbFlightList.TabIndex = 1;
  //
```

```
// rtxtRegistrationInfo
this.rtxtRegistrationInfo.Location = new System.Drawing.Point(328, 107);
this.rtxtRegistrationInfo.Name = "rtxtRegistrationInfo";
this.rtxtRegistrationInfo.Size = new System.Drawing.Size(460, 204);
this.rtxtRegistrationInfo.TabIndex = 2;
this.rtxtRegistrationInfo.Text = "";
//
// btnAdd
this.btnAdd.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnAdd.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F);
this.btnAdd.Image =
((System.Drawing.Image)(resources.GetObject("btnAdd.Image")));
this. btn Add. Image Align = System. Drawing. Content Alignment. Middle Left; \\
this.btnAdd.Location = new System.Drawing.Point(109, 347);
this.btnAdd.Name = "btnAdd";
this.btnAdd.Size = new System.Drawing.Size(99, 48);
this.btnAdd.TabIndex = 3;
this.btnAdd.Text = "&Add";
this.btnAdd.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
this.btnAdd.UseVisualStyleBackColor = true;
this.btnAdd.Click += new System.EventHandler(this.btnAdd_Click);
// btnConfirm
this.btnConfirm.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnConfirm.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F);
this.btnConfirm.Image =
((System.Drawing.Image)(resources.GetObject("btnConfirm.Image")));
this.btnConfirm.ImageAlign = System.Drawing.ContentAlignment.MiddleLeft;
this.btnConfirm.Location = new System.Drawing.Point(384, 347);
this.btnConfirm.Name = "btnConfirm";
this.btnConfirm.Size = new System.Drawing.Size(135, 48);
this.btnConfirm.TabIndex = 3;
this.btnConfirm.Text = "&Confirm";
this.btnConfirm.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
this.btnConfirm.UseVisualStyleBackColor = true;
this.btnConfirm.Click += new System.EventHandler(this.btnConfirm_Click);
// btnLogout
this.btnLogout.Cursor = System.Windows.Forms.Cursors.Hand;
this.btnLogout.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F);
this.btnLogout.Image =
((System.Drawing.Image)(resources.GetObject("btnLogout.Image")));
this.btnLogout.ImageAlign = System.Drawing.ContentAlignment.MiddleLeft;
this.btnLogout.Location = new System.Drawing.Point(603, 347);
this.btnLogout.Name = "btnLogout";
this.btnLogout.Size = new System.Drawing.Size(131, 48);
this.btnLogout.TabIndex = 3;
this.btnLogout.Text = "&Logout";
this.btnLogout.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
this.btnLogout.UseVisualStyleBackColor = true;
this.btnLogout.Click += new System.EventHandler(this.btnLogout_Click);
// ClassSelectionForm
this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
```

```
this. AutoScaleMode = System. Windows. Forms. AutoScaleMode. Font; \\
  this.ClientSize = new System.Drawing.Size(800, 450);
  this.Controls.Add(this.btnLogout);
  this.Controls.Add(this.btnConfirm);
  this.Controls.Add(this.btnAdd);
  this.Controls.Add(this.rtxtRegistrationInfo);
  this.Controls.Add(this.lsbFlightList);
  this.Controls.Add(this.label2);
  this.Controls.Add(this.label1);
  this.Name = "ClassSelectionForm";
  this.Text = "ClassSelectionForm";
  this.ResumeLayout(false);
  this.PerformLayout();
#endregion
private System. Windows. Forms. Label label1;
private System. Windows. Forms. Label label2;
private System.Windows.Forms.ListBox lsbFlightList;
private System. Windows. Forms. Rich TextBox rtxtRegistrationInfo;
private System. Windows. Forms. Button btnAdd;
private System. Windows. Forms. Button btnConfirm;
private System.Windows.Forms.Button btnLogout;
```