Lớp khác hàng:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Drawing;

using System.Data;

using System.Windows.Forms;

using System.IO;

using System.ComponentModel;

namespace ClassPlaneTicket

{

    public enum sex { Male, Female };

    public class Customer

    {

        public string CustomerID { get; set; }

        public string CustomerName { get; set; }

        public sex Gender { get; set; }

        public DateTime Birthday { get; set; }

        public string email { get; set; }

        public Image Avatar { get; set; }

        public Customer()

        {

            CustomerID = "Not Assigned";

        }

        public Customer(string CustomerID, string CustomerName, sex Gender, DateTime Birthday, string email, Image Avatar)

        {

            this.CustomerID = CustomerID;

            this.CustomerName = CustomerName;

            this.Gender = Gender;

            this.Birthday = Birthday;

            this.email = email;

            this.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)

        {

            this.UserName = UserName;

            this.Password = Password;

            this.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)

        {

            this.FlightID = FlightID;

            this.TimeDepart = TimeDepart;

            this.TimeArrival = TimeArrival;

            this.FlightType = FlightType;

        }

    }

    public class FlightRegistration

    {

        public string CustomerID { get; set; }

        public List<Flight> FlightEnrollList;

        public FlightRegistration()

        {

            CustomerID = "Not Assigned";

            FlightEnrollList = new List<Flight>();

        }

        public FlightRegistration(string CustomerID)

        {

            this.CustomerID = CustomerID;

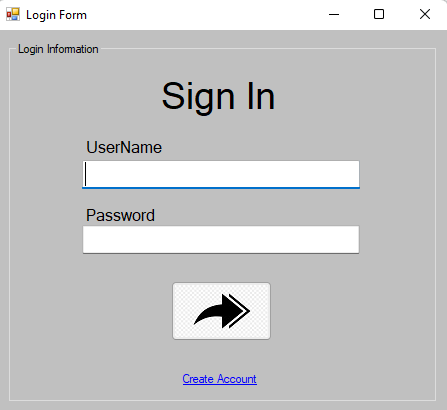
            FlightEnrollList = new List<Flight>();

        }

    }

}

Form Login:



using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.IO;

namespace ClassPlaneTicket

{

    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.GetParent(Directory.GetCurrentDirectory()).Parent.FullName;

            CustomerList = new List<Customer>();

            CustomerList.Add(new Customer("F001", "Admin", sex.Male, DateTime.Now, "123@gmail.com",

                                Image.FromFile(startupPath + "\\Img\\Nobita.jpg")));

            UserList = new List<User>();

            UserList.Add(new User("Admin", "123456", "F001"));//ten dang nhap, mat khau, ID

            FlightList = new List<Flight>();

            FlightList.Add(new Flight("HN\_HCM", "9h15", "12h00", "Vietnam Airline"));

            FlightList.Add(new Flight("VN\_HQ", "8h15", "14h30", "Vietnam Airline"));

            FlightList.Add(new Flight("VN\_NB", "7h30", "14h00", "Vietnam Airline"));

            FlightList.Add(new Flight("ĐN\_HCM", "20h15", "21h45", "VietJack"));

            FlightList.Add(new Flight("VN\_TL", "13h00", "15h00", "Vietnam Airline"));

            FlightList.Add(new Flight("HCM\_PQ", "15h00", "16h30", "VietJack"));

            FlightList.Add(new Flight("PQ\_HN", "8h00", "11h30", "Bamboo"));

            FlightList.Add(new Flight("HN\_ĐN", "21h00", "22h30", "Vietnam Airline"));

            FlightRegList = new List<FlightRegistration>();

            Resetlogin = true;

        }

        private void textBox1\_TextChanged(object sender, EventArgs e)

        {

        }

        private void label2\_Click(object sender, EventArgs e)

        {

        }

        private void LoginForm\_Load(object sender, EventArgs e)

        {

        }

        private void groupBox1\_Enter(object sender, EventArgs e)

        {

            if (Resetlogin == true)

            {

                txtUserName.Text = "";

                txtPassword.Text = "";

            }

        }

        private void btnLogin\_Click(object sender, EventArgs e)

        {

            if (txtUserName.Text.Length == 0)

            {

                MessageBox.Show("Please enter user name", "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();

            }

            AirTicketBooking obj = new AirTicketBooking();

            User currentuser = UserList.Find(x => (x.UserName == txtUserName.Text) && (x.Password == txtPassword.Text));

            obj.SetCurrentuser(currentuser);

            this.Hide();

            obj.Show();

        }

        private void txtPassword\_TextChanged(object sender, EventArgs e)

        {

        }

        private void linkCrAcc\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

        {

            RegistrationForm form = new RegistrationForm();

            this.Hide();

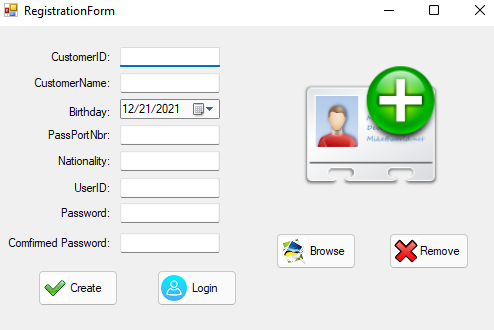
            form.Show();

        }

    }

}

Form Registration Account:



using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.IO;

namespace ClassPlaneTicket

{

    public partial class RegistrationForm : Form

    {

        string startupPath;

        string AvatarPath;

        LoginForm ParentForm;

        public RegistrationForm()

        {

            InitializeComponent();

            startupPath = LoginForm.OriginalForm.startupPath;

            ParentForm = LoginForm.OriginalForm;

        }

        private void RegistrationForm\_Load(object sender, EventArgs e)

        {

        }

        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 btnBrowse\_Click(object sender, EventArgs e)

        {

            openFileDlg.Title = "Find Avatar Images";

            openFileDlg.Filter = "JPG files|\*.jpg";

            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 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, UserName, Password are not blank", "Input Error", MessageBoxButtons.OK,

                                 MessageBoxIcon.Exclamation);

                return;

            }

            if (txtPassword.Text != txtPasswordConfirm.Text)

            {

                MessageBox.Show("Password and Comfirm 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.Avatar = picAvatar.Image;

            objCustomer.Birthday = dtBirthday.Value;

            ParentForm.UserList.Add(obj);

            ParentForm.CustomerList.Add(objCustomer);

            MessageBox.Show(" New IserID is Created", "Account Created", MessageBoxButtons.OK, MessageBoxIcon.Information);

        }

        private void btncbLogin\_Click(object sender, EventArgs e)

        {

            this.Close();

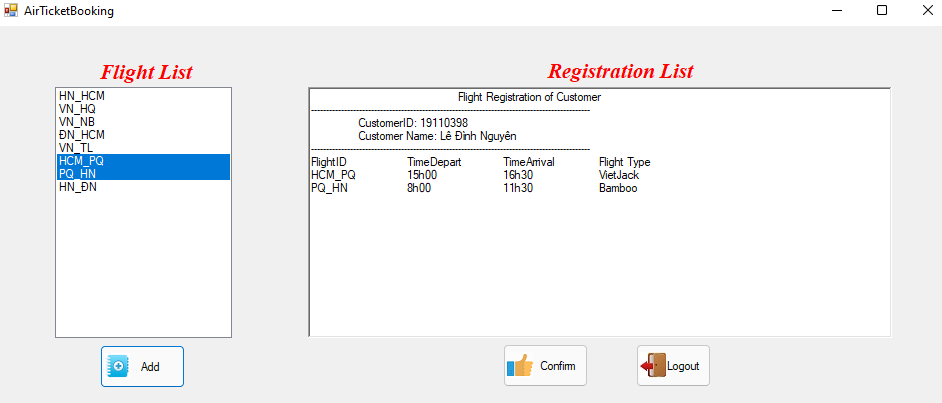
            ParentForm.Show();

        }

    }

}

Form AirTicket Booking:



using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.IO;

namespace ClassPlaneTicket

{

    public partial class AirTicketBooking : Form

    {

        LoginForm ParentForm;

        string strRegistration;

        public Customer currentCustomer;

        public User currentUser;

        public int idxRegistration;

        public AirTicketBooking()

        {

            InitializeComponent();

            ParentForm = LoginForm.OriginalForm;

            foreach (Flight obj in ParentForm.FlightList)

                lsbFlightList.Items.Add(obj.FlightID);

            rtxRegistrationInfo.Text = "";

        }

        public void SetCurrentuser(User user)

        {

            currentUser = user;

            currentCustomer = ParentForm.CustomerList.Find(x => (x.CustomerID == currentUser.CustomerID));

            idxRegistration = ParentForm.FlightRegList.FindIndex(x => (x.CustomerID == currentCustomer.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\t\t Flight Registration of Customer \n";

            strRegistration += "---------------------------------------------------------------------------------------------\n";

            strRegistration += String.Format("\tCustomerID: {0}\n \tCustomer Name: {1} \n", currentCustomer.CustomerID

                                                                                        , currentCustomer.CustomerName);

            strRegistration += "---------------------------------------------------------------------------------------------";

            strRegistration += "\n" + "FlightID" + "\t\t" + "TimeDepart" + "\t" + "TimeArrival"+ "\t" + "Flight Type";

            Flight obj;

            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 + "\t\t" + obj.TimeArrival+ "\t\t" + obj.FlightType;

            }

            rtxRegistrationInfo.Text = strRegistration;

            return strRegistration;

        }

        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 == currentCustomer.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 btnLogOut\_Click(object sender, EventArgs e)

        {

            this.Close();

            ParentForm.Resetlogin = true;

            ParentForm.Show();

        }

        private void btnConfirm\_Click(object sender, EventArgs e)

        {

            MessageBox.Show(ShowRegistrationInfo(), "Thank You", MessageBoxButtons.OK, MessageBoxIcon.Information);

        }

        private void lsbFlightList\_SelectedIndexChanged(object sender, EventArgs e)

        {

        }

        private void rtxRegistrationInfo\_TextChanged(object sender, EventArgs e)

        {

        }

    }

}