```csharp
//-- *****************************************
//--     Project:        HND Data Project
//--     Module:         PageClientUpdate
//--     Author:         Paul McKillop
//--     Date created:   14 December 2018
//-- *****************************************



using System;
using System.Collections.Generic;
using System.Windows;
using System.Windows.Controls;
using RentalWPF.Models;
using RentalWPF.Data;

namespace RentalWPF
{
    /// <summary>
    /// Interaction logic for PageClientUpdate.xaml
    /// </summary>
    public partial class PageClientUpdate : Page
    {
        //-- Module wide variables
        private List<ClientBySurname> clientsBySurname = new List<ClientBySurname>();
        private List<Client> clients = new List<Client>();
        private Client client = new Client();
        private List<ClientType> clientTypes = new List<ClientType>();
        private ClientType clientType = new ClientType();
        private int currentSelectedClientId = 0;
        private int currentSelectedClientType = 0;

        public PageClientUpdate()
        {
            InitializeComponent();
            clientsBySurname = PersonDB.GetClientsBySurname("RentalAzure");
            clientTypes = ClientTypeDB.GetAllClientTypes("RentalAzure");
        }




        private void SelectClientCombo_Loaded(object sender, RoutedEventArgs e)
        {
            var combo = sender as ComboBox;
            combo.ItemsSource = clientsBySurname;
        }

        private void SelectClientCombo_SelectionChanged(object sender,
        SelectionChangedEventArgs e)
        {
            var combo = sender as ComboBox;

            //-- Update the current selected Id
            bool parseOk = Int32.TryParse(SelectClientCombo.SelectedValue.ToString(),
             out currentSelectedClientId);


            Client myClient = new Client();

            //-- Now get the client with that Id
            myClient = PersonDB.GetClientByIDSQL("RentalAzure",
            currentSelectedClientId);

            //-- Populate client type
            ClientTypeCombo.SelectedIndex = myClient.ClientTypeID;

            //-- Fill in the text values
            ForenameTextBox.Text = myClient.Forename;
            SurnameTextBox.Text = myClient.Surname;
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        AccountNumberTextBox.Text = myClient.AccountNumber;
        MobilePhoneTextBox.Text = myClient.MobilePhone;
    }

    private void ClientTypeCombo_Loaded(object sender, RoutedEventArgs e)
    {
        var combo = sender as ComboBox;
        combo.ItemsSource = clientTypes;
        combo.SelectedIndex = 0;
    }

    private void ClientTypeCombo_SelectionChanged(object sender,
    SelectionChangedEventArgs e)
    {
        bool parseOk = Int32.TryParse(ClientTypeCombo.SelectedValue.ToString(),
        out currentSelectedClientType);
    }

    private void UpdateClientButton_Click(object sender, RoutedEventArgs e)
    {
        var client = HarvestClientData();

        int result = PersonDB.ClientUpdate("RentalAzure", client);

        MessageBox.Show("Updated");

        //-- Navigate to dashboard
        GoToClientHome();

    }


    //-- Get all client data and ensure all fields filled
    private Client HarvestClientData()
    {
        var myClient = new Client();

        myClient.Id = currentSelectedClientId;
        myClient.ClientTypeID = currentSelectedClientType;
        myClient.Forename = ForenameTextBox.Text.Trim();
        myClient.Surname = SurnameTextBox.Text.Trim();
        myClient.AccountNumber = AccountNumberTextBox.Text.Trim();
        myClient.MobilePhone = MobilePhoneTextBox.Text.Trim();

        return myClient;
    }

    //-- Clear
    private void ClearFormButton_Click(object sender, RoutedEventArgs e)
    {
        ClearForm();
    }


    //-- Clear the form's data controls
    private void ClearForm()
    {
        SelectClientCombo.SelectedValue = null;
        ClientTypeCombo.SelectedValue = null;
        ForenameTextBox.Text = "";
        SurnameTextBox.Text = "";
        AccountNumberTextBox.Text = "";
        MobilePhoneTextBox.Text = "";
    }

    private void ClientHomeButton_Click(object sender, RoutedEventArgs e)
    {
        GoToClientHome();
    }

    private void GoToClientHome()
```

```
            {
                var clientHome = new PageClient();
                this.NavigationService.Navigate(clientHome);
            }
        }
    }
```

```
            {
                var clientHome = new PageClient();
                this.NavigationService.Navigate(clientHome);
            }
        }
    }
```