VISUAL PROGRAMMING

ASSIGNMENT # 1

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BS (SE-5th) MORNING

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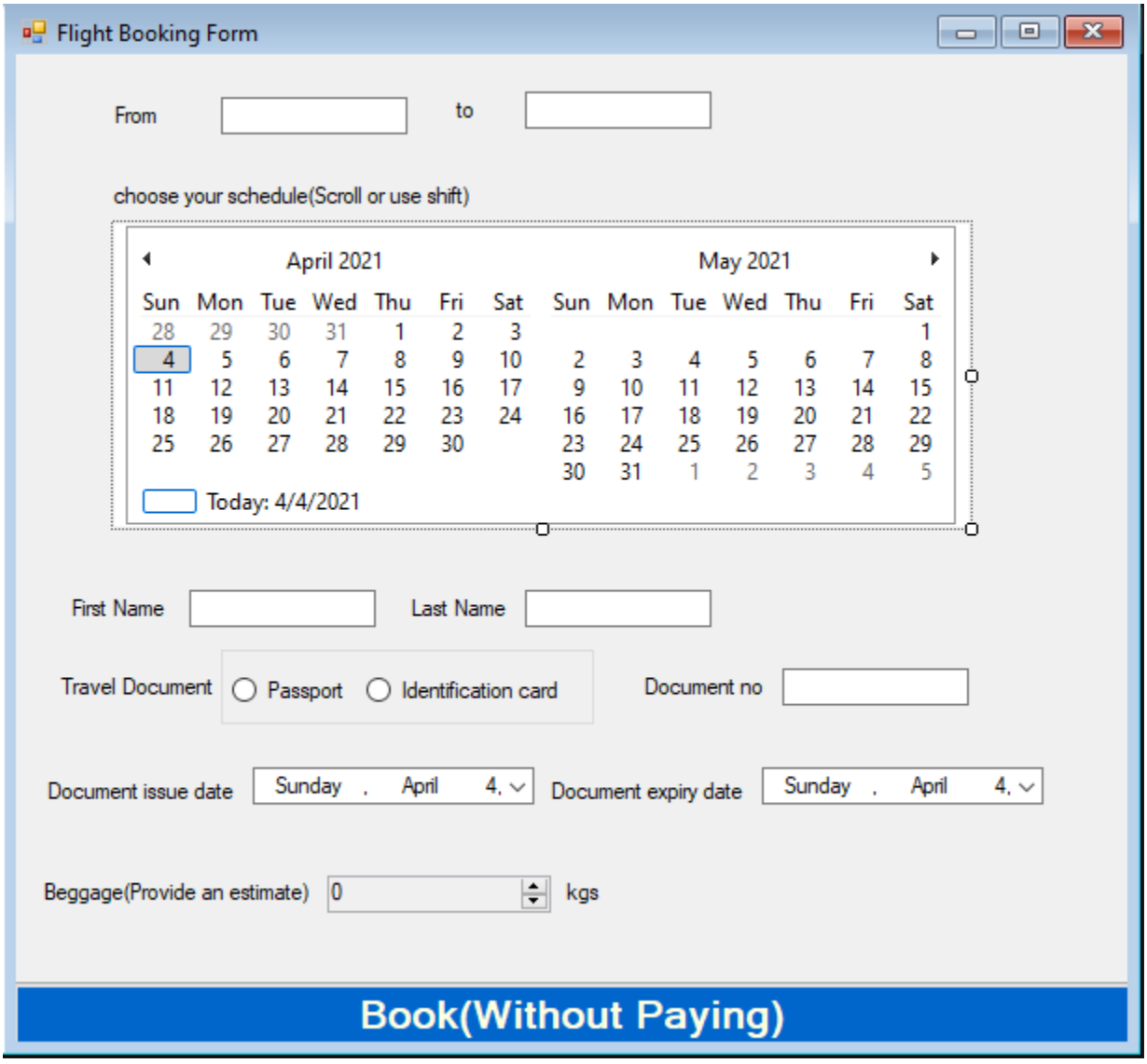
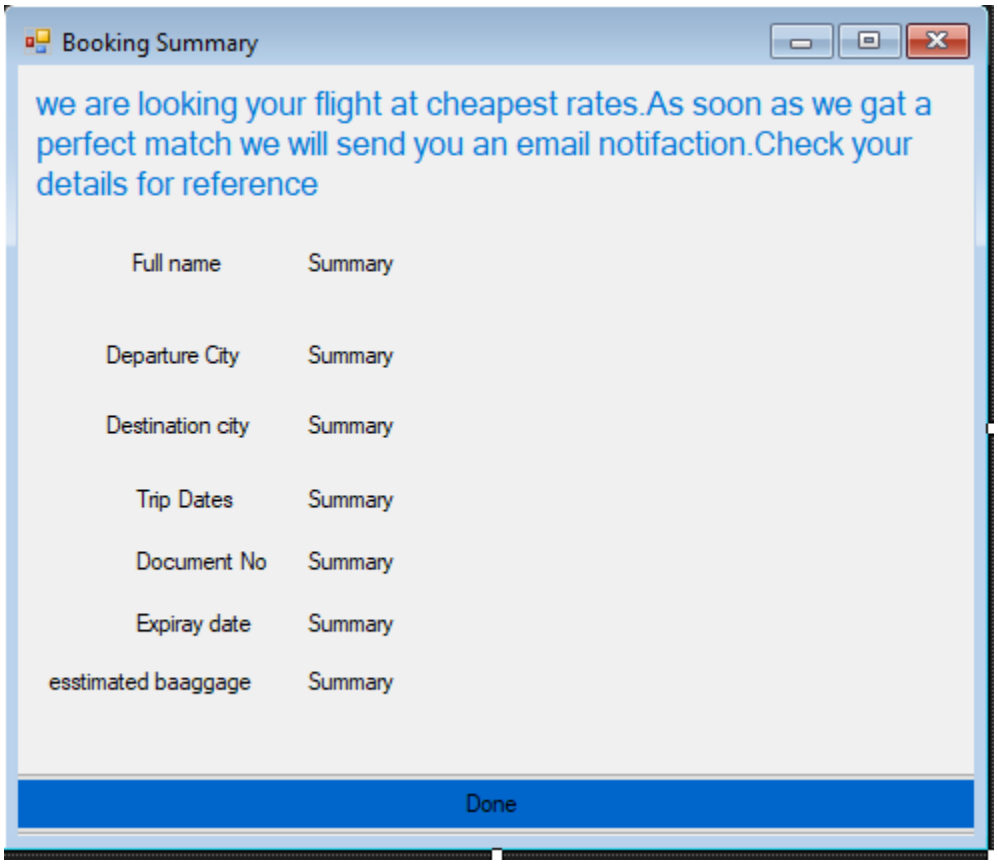
FORM 1 DESIGNER.CS:



FORM 2 DESIGNER.CS:



Code of Form1:

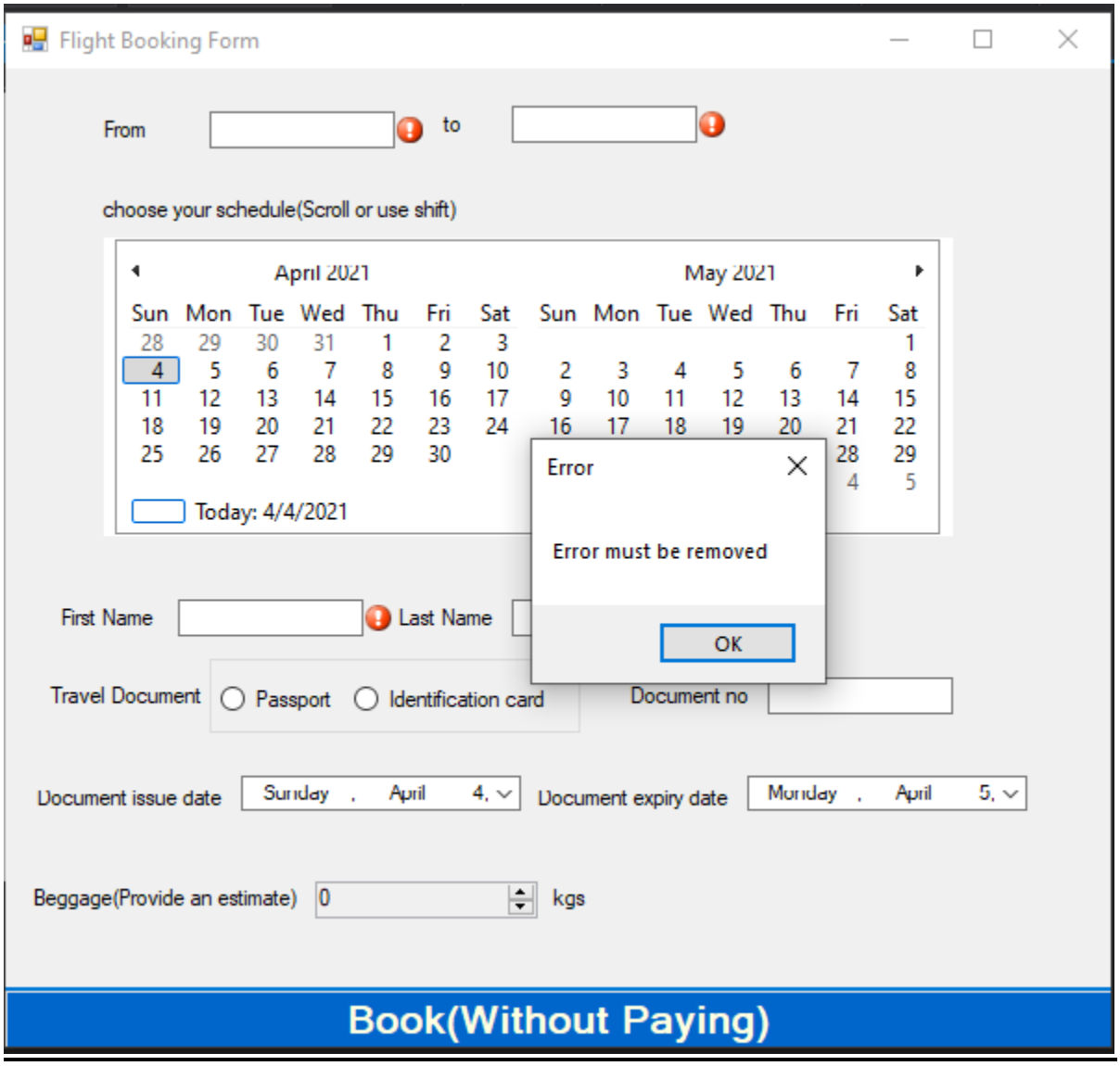
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WindowsFormsApplication5
{

    public partial class Form1 : Form
    {
        public static string fullname;
        public static string departurcity;
        public static string destination;
        public static string tripdates;
        public static string docno;
        public static string expiraydate;
        public static string estimatedbeggage;
        public static bool passport;
        public static bool idcard;
        bool cityfrom = true, CityTo = true, fname = true, documentno = true ;
        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            dateTimePicker2.MinDate = dateTimePicker1.Value.AddDays(1);
        }

        private void button1_Click(object sender, EventArgs e)
        {
            fullname = txtFn.Text + txtLn.Text;
            departurcity = txtFrom.Text;
            destination = txtTo.Text;
            docno = txtDn.Text;
            estimatedbeggage = numericUpDown1.Value.ToString();
            expiraydate = dateTimePicker2.Value.ToString("dd-MM-yyyy");
            tripdates = monthCalendar1.SelectionStart.ToString(format: "dd-MM-yyyy") + "
To   " + monthCalendar1.SelectionEnd.ToString(format: "dd-MM-yyyy");
            if (cityfrom==true || CityTo==true || fname==true || documentno == true)
            {
                MessageBox.Show("Error must be removed", "Error");
            }
            else
            {
                    Form2 f2 = new Form2();
            f2.Show();
```

```
        }


    }

    private void radioButtonpassport_CheckedChanged(object sender, EventArgs e)
    {
        if (radioButtonpassport.Checked)
        {
            label7.Text = "Passport";
            passport = true;
            idcard = false;
        }

    }

    private void radioButtonidcard_CheckedChanged(object sender, EventArgs e)
    {
        if (radioButtonidcard.Checked)
        {
            label7.Text = "Id card";
            idcard = true;
            passport = false;
        }

    }

    private void dateTimePicker1_ValueChanged(object sender, EventArgs e)
    {
        dateTimePicker2.MinDate = dateTimePicker1.Value.AddDays(1);
    }

    private void txtTo_TextChanged(object sender, EventArgs e)
    {

    }

    private void txtFn_Validating(object sender, CancelEventArgs e)
    {
        if (txtFn.Text.Length < 3)
        {
            epFn.SetError(txtFn, "Must be greater then 3 digits");

        }
        else
        {
            epFn.SetError(txtFn, "");
            fname = false;


        }
    }

    private void txtDn_TextChanged(object sender, EventArgs e)
    {
        if (txtDn.Text.Length < 5)
```

```
            {
                epDoc.SetError(txtDn, "Must be greater then 5 digits");
                documentno = true;
            }
            else
            {
                epDoc.SetError(txtDn, "");
                documentno = false;
            }
        }

        private void txtFrom_TextChanged(object sender, EventArgs e)
        {

        }

        private void label9_Click(object sender, EventArgs e)
        {

        }

        private void txtFrom_Validating(object sender, CancelEventArgs e)
        {
            if (txtFrom.Text.Length < 1)
            {
                epForm.SetError(txtFrom, "It can not be null");

            }
            else
            {
                epForm.SetError(txtFrom, "");
                cityfrom = false;

            }

        }

        private void txtTo_Validating(object sender, CancelEventArgs e)
        {
            if (txtTo.Text.Length < 1)
            {
                epTo.SetError(txtTo, "It can not be null");

            }
            else
            {
                epTo.SetError(txtTo, "");
                CityTo = false;

            }
        }
    }

}
```

Form1 without filling the textboxes:

If user leave textbox empty it will show errors. We apply some error providers for the text boxes so the user cannot continue without filling these

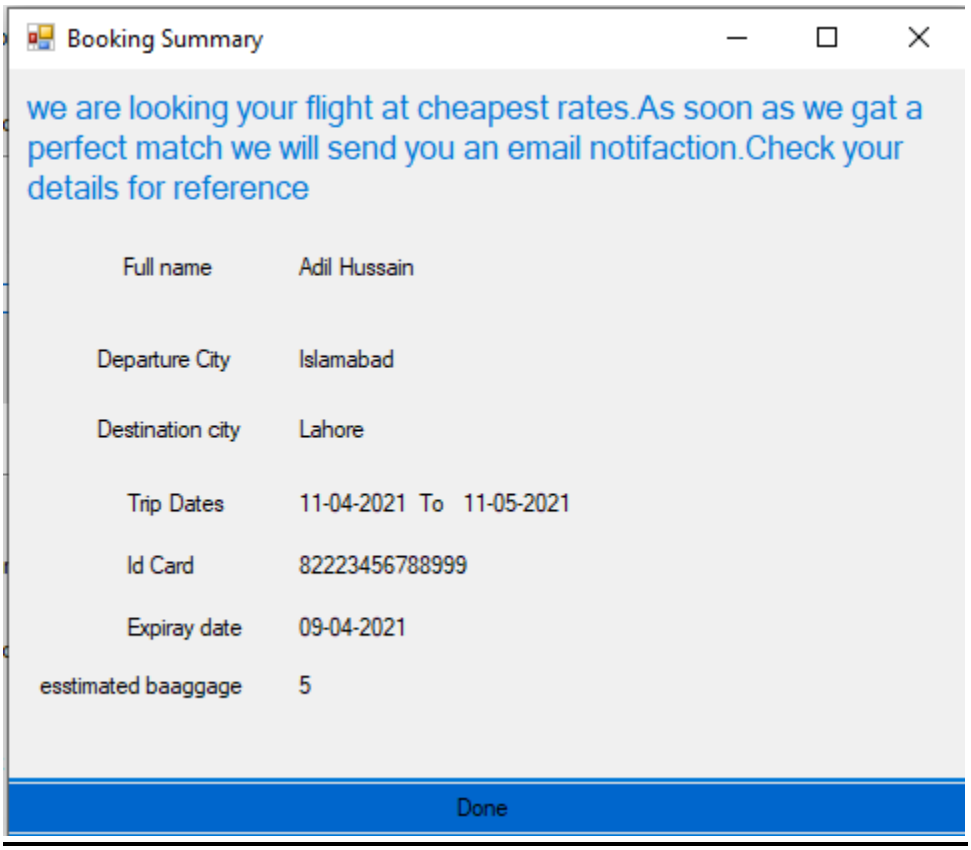


Code of Form2:

```
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 WindowsFormsApplication5
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }

        private void Form2_Load(object sender, EventArgs e)
        {
            lbFname.Text = Form1.fullname;
            lbDepcity.Text = Form1.departurcity;
            lbDesCity.Text = Form1.destination;
            lbTripdate.Text = Form1.tripdates;
            lbExpdate.Text = Form1.expiraydate;
            lbDocNo.Text = Form1.docno;
            lbEb.Text = Form1.estimatedbeggage;
        if(Form1.passport==true)
            {
                label9.Text = "passport number";
            }
        if(Form1.idcard==true)
            {
                label9.Text = "Id Card";
            }
        }

        private void lbFname_Click(object sender, EventArgs e)
        {

        }

        private void button1_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void Form2_FormClosed(object sender, FormClosedEventArgs e)
        {
            Application.Exit();
        }

        private void label1_Click(object sender, EventArgs e)
        {
```

```
        }
    }
}
```

Form2 After Loading Data

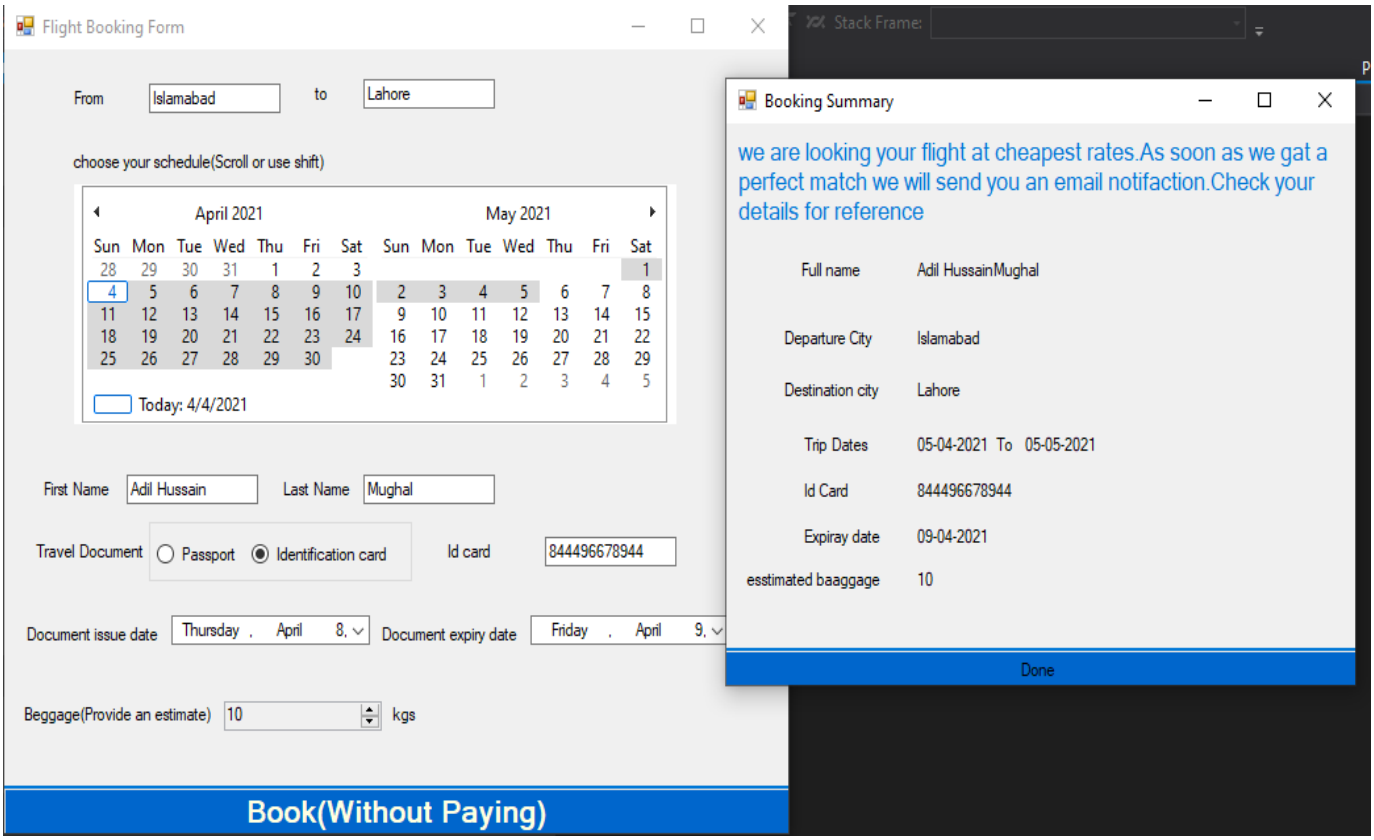


Explanation for code:

In this code we got all the values from the form1 and then stored them into public static variables so they can be accessed by the class name from the other form in our case which is form2. We apply some error providers for the text boxes so the user cannot continue without filling these we restricted the user to choose the expiry date of his document that must be greater than the issue date and the user can also select his choice of document either passport or identification card. When the user clicks on the book button the all data is fetched and assigned to the variables and also it checks the errors in the form if found it shows a hard message to user else it will open another form where the user can see the details which he provided in previous form it will change the label of doc no according to the document he selected on first form when user clicks done button or press the cross icon to close the file whole application will be exit.

Final Result:

Provide all required information:



For view full project on visual studio kindly link on the given link:

https://github.com/Enggadil/.Net/blob/main/WindowsFormsApplication5.zip