

VISUAL PROGRAMMING

ASSIGNMENT # 1



Submitted by
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BS (SE-5th) MORNING

Date: 05 April 2021

Submitted to: Sir Awais Gondal

**DEPARTMENT OF ENGINEERING NATIONAL UNIVERSTIY
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FORM 1 DESIGNER.CS:

Flight Booking Form

From to

choose your schedule(Scroll or use shift)

◀

April 2021

▶

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3	2	3	4	5	6	7	8
4	5	6	7	8	9	10	9	10	11	12	13	14	15
11	12	13	14	15	16	17	16	17	18	19	20	21	22
18	19	20	21	22	23	24	23	24	25	26	27	28	29
25	26	27	28	29	30		30	31	1	2	3	4	5

Today: 4/4/2021

First Name Last Name

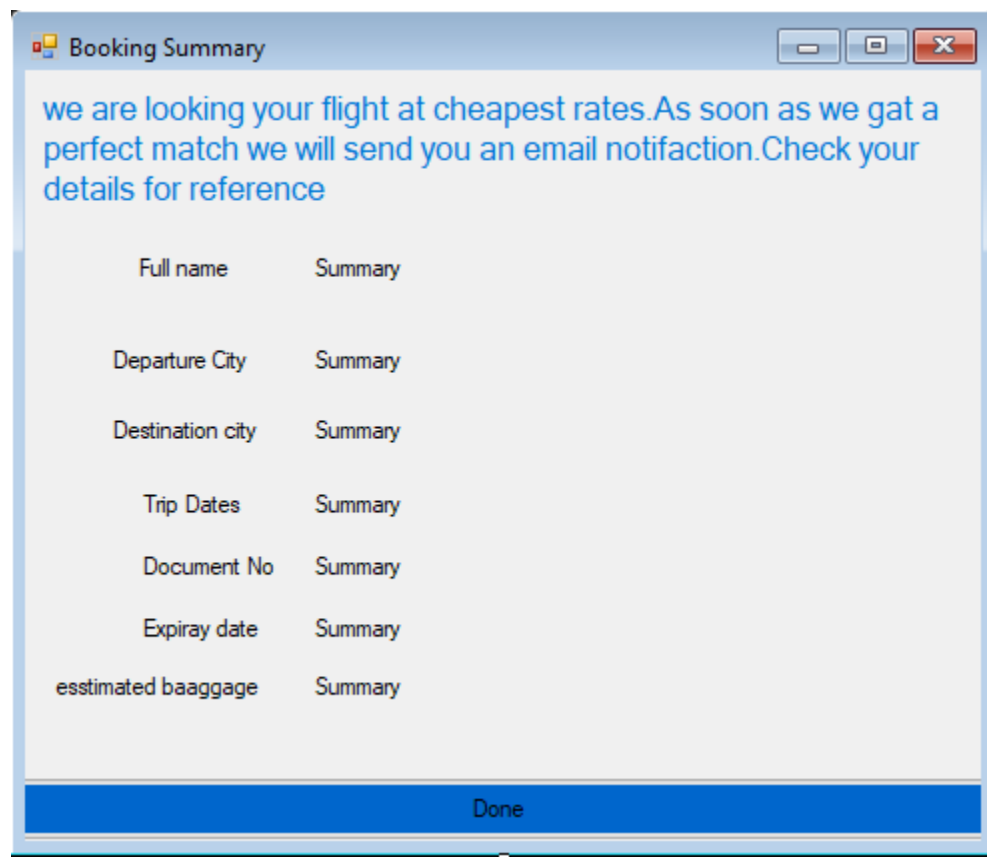
Travel Document ☐ Passport ☐ Identification card Document no

Document issue date Sunday . April 4, ▼ Document expiry date Sunday . April 4, ▼

Beggage(Provide an estimate) 0 kgs

Book(Without Paying)

FORM 2 DESIGNER.CS:



The image shows a screenshot of a software window titled "Booking Summary". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. The main content area contains a blue text message at the top, followed by a table of flight details. At the bottom of the window is a blue button labeled "Done".

we are looking your flight at cheapest rates.As soon as we gat a perfect match we will send you an email notifaction.Check your details for reference

Full name	Summary
Departure City	Summary
Destination city	Summary
Trip Dates	Summary
Document No	Summary
Expiray date	Summary
esstimated baaggage	Summary

Done

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 estimatedbeuggage;
        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;
            estimatedbeuggage = 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)
    {
        label17.Text = "Passport";
        passport = true;
        idcard = false;
    }
}

private void radioButtonidcard_CheckedChanged(object sender, EventArgs e)
{
    if (radioButtonidcard.Checked)
    {
        label17.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

The screenshot shows a Windows application window titled "Flight Booking Form". The form contains several input fields and a calendar. At the top, there are two empty text boxes for "From" and "to", each with a red error icon. Below them is a label "choose your schedule(Scroll or use shift)". A calendar is displayed, showing April 2021 and May 2021. The date 4 is selected in April. Below the calendar, there is a label "Today: 4/4/2021". In the middle of the form, there are two empty text boxes for "First Name" and "Last Name", each with a red error icon. Below these are two radio buttons for "Travel Document": "Passport" and "Identification card". To the right of the radio buttons is a label "Document no" followed by an empty text box. Below the radio buttons are two date pickers: "Document issue date" (set to Sunday, April 4) and "Document expiry date" (set to Monday, April 5). At the bottom, there is a label "Beggage(Provide an estimate)" followed by a text box containing "0" and a unit "kgs". A blue button labeled "Book(Without Paying)" is at the bottom right. An "Error" dialog box is open in the center of the form, displaying the message "Error must be removed" and an "OK" button.

Flight Booking Form

From to

choose your schedule(Scroll or use shift)

April 2021 May 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3	2	3	4	5	6	7	8
4	5	6	7	8	9	10	9	10	11	12	13	14	15
11	12	13	14	15	16	17	16	17	18	19	20	21	22
18	19	20	21	22	23	24	23	24	25	26	27	28	29
25	26	27	28	29	30							4	5

Today: 4/4/2021

First Name Last Name

Travel Document ☐ Passport ☐ Identification card

Document no

Document issue date Sunday, April 4, Document expiry date Monday, April 5,

Beggage(Provide an estimate) 0 kgs

Book(Without Paying)

Error

Error must be removed

OK

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.estimatedbeuggage;
            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();
        }

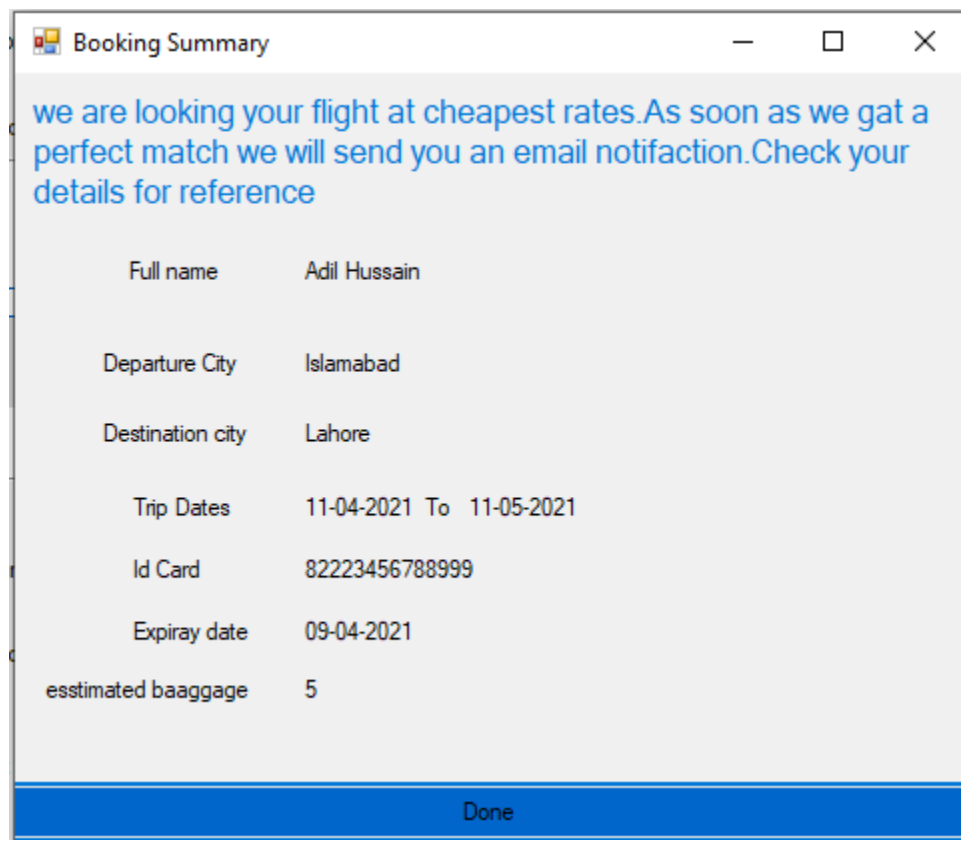
        private void Form2_FormClosed(object sender, FormClosedEventArgs e)
        {
            Application.Exit();
        }

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



```
}  
    }  
}
```

Form2 After Loading Data



The screenshot shows a window titled "Booking Summary" with a blue header bar. Below the header, there is a blue message box that reads: "we are looking your flight at cheapest rates.As soon as we gat a perfect match we will send you an email notifaction.Check your details for reference". Below this message, there is a table of booking details. At the bottom of the window, there is a blue button labeled "Done".

Full name	Adil Hussain
Departure City	Islamabad
Destination city	Lahore
Trip Dates	11-04-2021 To 11-05-2021
Id Card	82223456788999
Expiray date	09-04-2021
esestimated baaggage	5

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:

The screenshot shows a Windows Forms application titled "Flight Booking Form". The main form has the following fields and controls:

- From:** Islamabad **to:** Lahore
- choose your schedule(Scroll or use shift):** A calendar view showing April and May 2021. The date 4th April is selected. Below the calendar, it says "Today: 4/4/2021".
- First Name:** Adil Hussain **Last Name:** Mughal
- Travel Document:** ☐ Passport ☒ Identification card **Id card:** 844496678944
- Document issue date:** Thursday, April 8, **Document expiry date:** Friday, April 9,
- Beggage(Provide an estimate):** 10 kgs
- Book(Without Paying)** button at the bottom.

An overlay window titled "Booking Summary" is displayed on the right, containing the following information:

we are looking your flight at cheapest rates.As soon as we gat a perfect match we will send you an email notifaction.Check your details for reference

Full name	Adil HussainMughal
Departure City	Islamabad
Destination city	Lahore
Trip Dates	05-04-2021 To 05-05-2021
Id Card	844496678944
Expiray date	09-04-2021
esstimated baaggage	10

Done button at the bottom of the summary window.

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

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