

## Lab 2 – Use the Windows form elements according to you domain and demonstrate it.

### Code –

#### Form1.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 EWMI_booking
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        string date = "";

        private void button4_Click(object sender, EventArgs e)
        {
            int flag = 0;

            string name = "";

            string first = textBox1.Text;
            string second = " " + textBox2.Text;

            if (first == "")
            {
                flag = 1;
                MessageBox.Show("Please enter your name !!!");
                textBox1.Focus();
            }

            name = first + second;

            string gender = "";

            if (radioButton1.Checked == true)
            {
                gender = radioButton1.Text;
            }
            else if (radioButton2.Checked == true)
            {
                gender = radioButton2.Text;
            }
            else if (radioButton3.Checked == true)
            {
                gender = radioButton3.Text;
            }
        }
    }
}
```

```

if (gender == "")
{
    flag = 1;
    MessageBox.Show("Please enter your gender !!!");
}

string dob = dateTimePicker1.Value.ToLongDateString();

if (dob == DateTime.Today.ToLongDateString())
{
    flag = 1;
    MessageBox.Show("Please select your birth date!!!");
    dateTimePicker1.Focus();
}

string no_of_mob = "";
string no_of_lap = "";

no_of_mob = numericUpDown1.Value.ToString();
no_of_lap = numericUpDown2.Value.ToString();

if(no_of_lap == "0" || no_of_mob == "0")
{
    flag = 1;
    MessageBox.Show("Please select atleast 1 as quantity !!!");
    numericUpDown1.Focus();
}

string add = richTextBox1.Text;

if (add == "")
{
    flag = 1;
    MessageBox.Show("Please enter the Pickup Address !!!");
    richTextBox1.Focus();
}

if (date == "")
{
    flag = 1;
    MessageBox.Show("Please enter the Pickup date !!!");
    monthCalendar1.Focus();
}

string result;

result = " Customer name : " + name + "\n" +
        " Gender : " + gender + "\n" +
        " Date of birth : " + dob + "\n\n" +
        " Deposit Quantity - \n " +
        " Mobiles : " + no_of_mob + "\n" +
        " Laptops : " + no_of_lap + "\n\n" +
        " Pickup Address : " + add + "\n" +
        " Pickup Date : " + date;

if(flag == 0 )
{
    MessageBox.Show(result, "Booking Information");
}

```

```

    }

    private void monthCalendar1_DateChanged(object sender, DateRangeEventArgs e)
    {
        date = monthCalendar1.SelectionStart.ToLongDateString();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        FontDialog fd = new FontDialog();

        if (fd.ShowDialog() == System.Windows.Forms.DialogResult.OK)
        {
            richTextBox1.Font = fd.Font;
        }
    }

    private void button3_Click(object sender, EventArgs e)
    {
        OpenFileDialog ofd = new OpenFileDialog();

        if (ofd.ShowDialog() == System.Windows.Forms.DialogResult.OK)
        {
            string file = ofd.FileName;
            MessageBox.Show("File to be opened is :" + file);
        }
    }

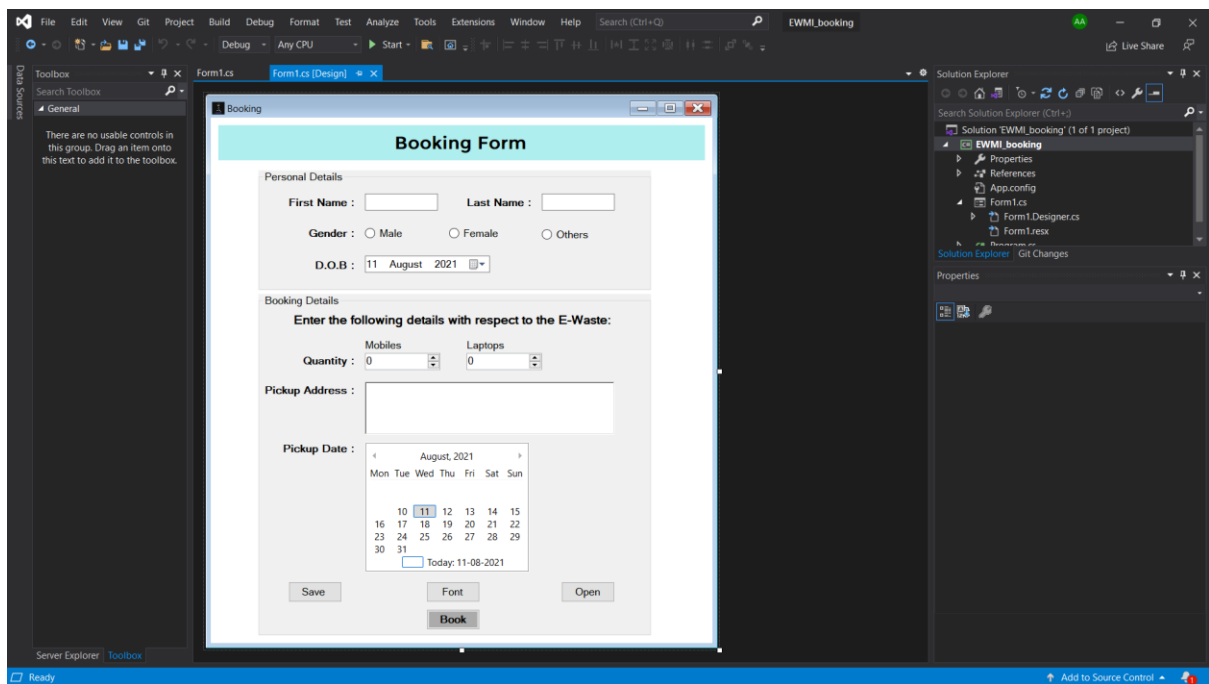
    private void button1_Click(object sender, EventArgs e)
    {
        SaveFileDialog sfd = new SaveFileDialog();

        if (sfd.ShowDialog() == System.Windows.Forms.DialogResult.OK)
        {
            string file = sfd.FileName;
            MessageBox.Show("File to be saved is :" + file);
        }
    }
}

```

# Screenshots of the Output –

## A ) Expected output screen



## B) Filling the form

Booking

**Booking Form**

Personal Details

First Name : AvatanshLast Name : Awasthi

Gender : ☒ Male ☐ Female ☐ Others

D.O.B : 03 February 1999

Booking Details

Enter the following details with respect to the E-Waste:

Quantity : 41

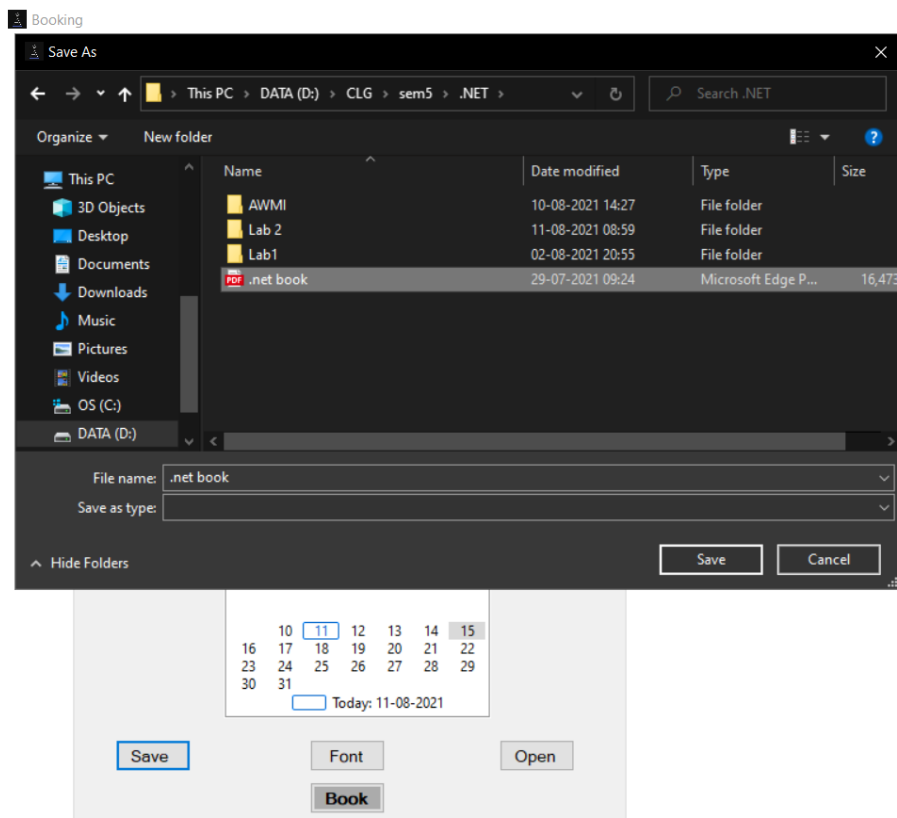
Pickup Address : Hno. 4/4, Akash Vihar Camp, Marathahalli, Bangalore, Karnataka 560037.

Pickup Date : August, 2021

10111213141516171819202122232425262728293031Today: 11-08-2021

SaveFontOpenBook

### C) Save Dialogue



### D) Font Dialogue

Booking

## Booking Form

**Personal Details**

First Name :  Last Name :

Gender : ☒ Male ☐ Female ☐ Others

D.O.B :

**Booking Details**

Enter the following details with respect to the E-Waste:

Quantity :  Mobiles  Laptops

Pickup Address :

Pickup Date :

Calendar: August 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Today: 11-08-2021

Buttons: Save, Font, Open, Book

**Font**

Font:  Font style:  Size:

Effects: ☐ Strikeout ☐ Underline

Sample: AaBbYyZz

Script:

Buttons: OK, Cancel

E) Change in font

Booking

Booking Form

Personal Details

First Name : Avatansh

Last Name : Awasthi

Gender : ☒ Male ☐ Female ☐ Others

D.O.B : 03 February 1999

Booking Details

Enter the following details with respect to the E-Waste:

Quantity

Mobiles 4

Laptops 1

Pickup Address

Hno. 4/4, Akash Vihar Camp,  
Marathahalli, Bangalore, Karnataka  
560037.

Pickup Date

August, 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		10	11	12	13	14
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Today: 11-08-2021

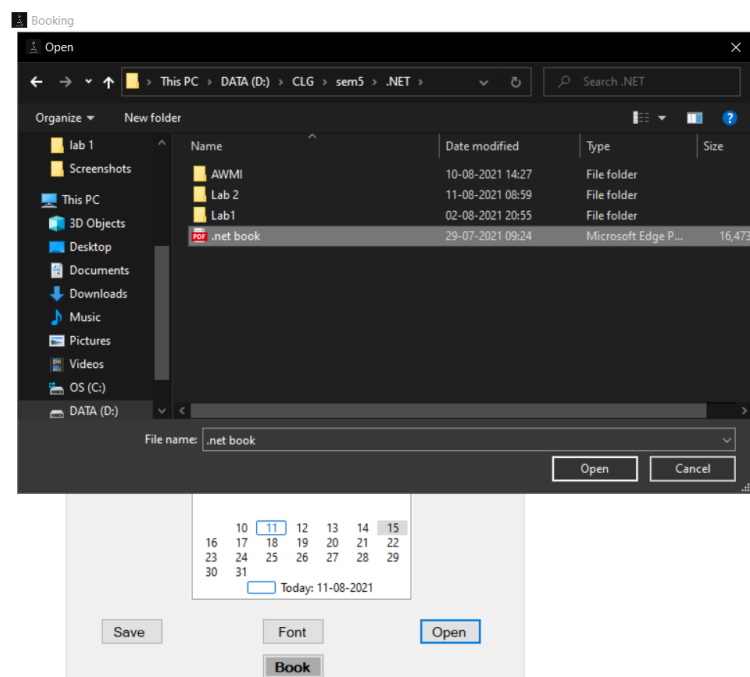
Save

Font

Open

Book

## F) Open Dialogue



## G) After selection of file

Booking

**Booking Form**

Personal Details

First Name : Avatansh

Last Name : Awasthi

Gender : ☒ Male ☐ Female ☐ Others

D.O.B : 03 February 1999

Booking Details

Enter the following details with respect to the E-Waste:

Quantity : 4

Quantity : 1

Pickup Address : Hno. 4/4, Akash Vihar Camp, Marathahalli, Bangalore, Karnataka 560037.

Pickup Date : 

August, 2021

Mon Tue Wed Thu Fri Sat Sun

10 11 12 13 14 15

16 17 18 19 20 21 22

23 24 25 26 27 28 29

30 31

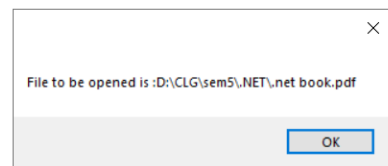
Today: 11-08-2021

Save

Font

Open

Book



## H) Booking the pickup

Booking

**Booking Form**

Personal Details

First Name : Avatansh

Last Name : Awasthi

Gender : ☒ Male ☐ Female ☐ Others

D.O.B : 03 February 1999

Booking Details

Enter the following details with respect to the E-Waste:

Quantity : 4

Quantity : 1

Pickup Address : Hno. 4/4, Akash Vihar Camp, Marathahalli, Bangalore, Karnataka 560037.

Pickup Date : 

August, 2021

Mon Tue Wed Thu Fri Sat Sun

10 11 12 13 14 15

16 17 18 19 20 21 22

23 24 25 26 27 28 29

30 31

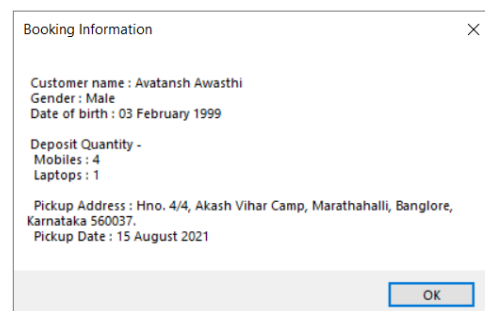
Today: 11-08-2021

Save

Font

Open

Book



## I)Validation

 Booking

### Booking Form

**Personal Details**

**First Name :**  **Last Name :**

**Gender :** ☒ Male ☐ Female ☐ Others

**D.O.B :**

**Booking Details**

**Enter the following details with respect to the E-Waste:**

**Quantity :**

**Mobiles**

**Laptops**

**Pickup Address :** *Hno. 4/4, Akash Vihar Camp,  
Marathahalli, Bangalore, Karnataka  
560037.*

**Pickup Date :**

August, 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Today: 11-08-2021

Save

Font

Open

Book

×

Please select atleast 1 as quantity !!!

OK