

Form1

**Oil & Lube**

- Oil Change (\$26.00)
- Lube Job (\$18.00)

**Flushes**

- Radiator Flush (\$30.00)
- Transmission Flush (\$80.00)

**Misc**

- Inspection (\$15.00)
- Replace Muffler (\$100.00)
- Tire Rotation (\$20.00)

**Parts and Labor**

Parts

Labor (\$)

**Summary**

Services & Labor:	\$387.00
Parts:	5
Tax (on parts):	\$0.30
Total Fees:	\$387.30

```
using System.CodeDom;
```

```
namespace JoesAutomotive_CalebFontenot
```

```
{  
    public partial class Form1 : Form  
    {  
        public Form1()  
        {  
            InitializeComponent();  
        }  
        private decimal OilLubeChanges(decimal total)  
        {  
            // Check if the appropriate check boxes are checked, and if they are, add their sums to  
            total.  
            if (oilChangeCheckBox.Checked)  
            {  
                total += 26.00m;  
            }  
            if (lubeJobCheckBox.Checked)  
            {  
                total += 16.00m;  
            }  
            return total;  
        }  
        private decimal FlushCharges(decimal total)  
        {  
            // Check if the appropriate check boxes are checked, and if they are, add their sums to  
            total.  
            if (radiatorFlushCheckBox.Checked)  
            {  
                total += 30.00m;  
            }  
            if (transmissionFlushCheckBox.Checked)  
            {  
                total += 80.00m;  
            }  
            return total;  
        }  
        private decimal MiscCharges(decimal total)  
        {  
            // Check if the appropriate check boxes are checked, and if they are, add their sums to  
            total.  
            if (inspectionCheckBox.Checked)  
            {  
                total += 30.00m;  
            }  
            if (replaceMufflerCheckBox.Checked)  
            {  
                total += 80.00m;  
            }  
            if (tireRotationCheckBox.Checked)  
            {  
                total += 20.00m;  
            }  
            return total;  
        }  
        private decimal TotalCharges()  
        {  
            decimal total = 0m;  
            total = OilLubeChanges(total);  
            total = FlushCharges(total);  
            total = MiscCharges(total);  
            total += OtherCharges();  
        }  
    }  
}
```

```
        return total;
    }
    private decimal TaxCharges()
    {
        decimal.TryParse(partsInputTextBox.Text, out decimal total);
        decimal tax = total * 0.06m;
        return tax;
    }
    private decimal OtherCharges()
    {
        decimal partsCost, laborCost;
        decimal.TryParse(partsInputTextBox.Text, out partsCost);
        decimal.TryParse(laborInputTextBox.Text, out laborCost);
        return partsCost + laborCost;
    }
    private void calculateButton_Click(object sender, EventArgs e)
    {
        decimal total = TotalCharges();
        decimal tax = TaxCharges();
        decimal outputOtherCharges = OtherCharges();

        // Set textboxes
        servicesAndLaborTextBox.Text = total.ToString("c");
        totalFeesTextBox.Text = (total + tax).ToString("c");
        taxTextBox.Text = tax.ToString("c");
        partsTextBox.Text = partsInputTextBox.Text;
    }

    private void exitButton_Click(object sender, EventArgs e)
    {
        Close();
    }

    private void clearButton_Click(object sender, EventArgs e)
    {
        // Clear EVERYTHING
        servicesAndLaborTextBox.Text = "";
        partsTextBox.Text = "";
        partsInputTextBox.Text = "";
        taxTextBox.Text = "";
        totalFeesTextBox.Text = "";
        laborInputTextBox.Text = "";
        // Now for the checkboxes.
        oilChangeCheckBox.Checked = false;
        lubeJobCheckBox.Checked = false;
        radiatorFlushCheckBox.Checked = false;
        transmissionFlushCheckBox.Checked = false;
        inspectionCheckBox.Checked = false;
        replaceMufflerCheckBox.Checked = false;
        tireRotationCheckBox.Checked = false;
    }
}
}
```