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1 //Programmer: Aaron Yoon
2 //Date: 9/16/22
3 //Project: Car Rental Caluculator
4 using System.Windows.Forms;
5
6 namespace Car_Rental
7 {
8     public partial class CarRental : Form
9     {
10         private double totalMoney;
11         private int carsReturned;
12         private int dayFactor;
13         private double mileFactor;
14         private string carDialog;
15
16         public CarRental()
17         {
18             InitializeComponent();
19         }
20
21         private void btnQUIT_Click(object sender, EventArgs e)
22         {
23             this.Close();
24         }
25
26         private void CarRental_Load(object sender, EventArgs e)
27         {
28
29         }
30
31         private void label10_Click(object sender, EventArgs e)
32         {
33
34         }
35
36         private void btnCalculate_Click(object sender, EventArgs e)
37         {
38             try
39             {
40                 double totalCost;
41                 int boiseConstant;
42                 int leatherConstant;
43
44                 if (chkBoise.Checked)
45                     boiseConstant = 8;
46                 else
47                     boiseConstant = 0;
48
49                 if (chkLeather.Checked)
```

```
50         leatherConstant = 6;
51     else
52         leatherConstant = 0;
53
54     if (radPeel.Checked)
55     {
56         mileFactor = .13;
57         dayFactor = 17 + boiseConstant + leatherConstant;
58         carDialog = "Your car is: Peel P50";
59         picPeel.Visible = true;
60         picTank.Visible = false;
61         picVolks.Visible = false;
62     }
63     else if (radTank.Checked)
64     {
65         mileFactor = .18;
66         dayFactor = 22 + boiseConstant + leatherConstant;
67         carDialog = "Your vehicle is: M1 Abrams Tank";
68         picPeel.Visible = false;
69         picTank.Visible = true;
70         picVolks.Visible = false;
71     }
72     else if (radCamper.Checked)
73     {
74         mileFactor = .22;
75         dayFactor = 27 + boiseConstant + leatherConstant;
76         carDialog = "Your car is: Volkswagen Camper";
77         picPeel.Visible = false;
78         picTank.Visible = false;
79         picVolks.Visible = true;
80     }
81     carsReturned += 1;
82     double milesDriven = double.Parse(txtEndOdom.Text) -
83         double.Parse(txtBeginOdom.Text);
84
85     if (milesDriven > 100)
86         totalCost = mileFactor * milesDriven + dayFactor *
87             double.Parse(txtNumDays.Text);
88     else
89         totalCost = dayFactor * double.Parse(txtNumDays.Text);
90     totalMoney += totalCost;
91
92     lblOutputInfo.Visible = true;
93     lblOutputInfo.Text = txtFirstName.Text + " " +
94         txtLastName.Text + "\n"
95         + txtAddress.Text + "\n"
96         + txtCity.Text + ", " + txtState.Text + " " +
97         txtZipCode.Text + "\n"
98         + "Driven " + milesDriven.ToString() + " miles" + "\n"
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95         + "Your total cost is " + totalCost.ToString("C") + "\n"
96         + carDialog;
97
98         double averageCost = totalMoney / carsReturned;
99         lblCarsReturned.Text = carsReturned.ToString();
100        lblTotalMoney.Text = totalMoney.ToString("C");
101        lblAverageCost.Text = averageCost.ToString("C");
102    }
103    catch
104    {
105        MessageBox.Show("Missing Data",
106            "Data Error",
107            MessageBoxButtons.OK,
108            MessageBoxIcon.Error
109        );
110    }
111 }
112
113 private void btnClear_Click(object sender, EventArgs e)
114 {
115     lblOutputInfo.Visible = false;
116     txtFirstName.Text = null;
117     txtLastName.Text = null;
118     txtAddress.Text = null;
119     txtCity.Text = null;
120     txtState.Text = null;
121     txtZipCode.Text = null;
122     txtBeginOdom.Text = null;
123     txtEndOdom.Text = null;
124     txtNumDays.Text = null;
125 }
126
127 private void chkLeather_CheckedChanged(object sender, EventArgs e)
128 {
129
130 }
131
132 private void ckcBoise_CheckedChanged(object sender, EventArgs e)
133 {
134
135 }
136 }
137 }
```