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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 Program4
{
    public partial class Form1 : Form
    {
        List<GroundPackage> packageList = new List<GroundPackage>();

        public Form1()
        {
            InitializeComponent();
        }

        private void packageButton_Click(object sender, EventArgs e)
        {
            GroundPackage package;           //holds the package
            int fromZip;                       //holds the original zip code
            int toZip;                         //holds the destinal zip code
            double length;                    //holds the length
            double width;                     //holds the width
            double height;                    //holds the height
            double weight;                     //holds the weight
            double packagecost;               //holds the cost of the package

            if(int.TryParse(originZipTextBox.Text, out fromZip))
            {
                if(int.TryParse(destinationZipTextBox.Text, out toZip))
                {
                    if(double.TryParse(lengthTextBox.Text, out length))
                    {
                        if(double.TryParse(widthTextBox.Text, out width))
                        {
                            if(double.TryParse(heightTextBox.Text, out height))
                            {
                                if(double.TryParse(WeightTetBox.Text, out weight))
                                {
                                    package = new GroundPackage(fromZip, toZip, length,
width, height, weight);

                                    packagecost = package.CalcCost();

                                    packageList.Add(package);

                                    packageListBox.Items.Add(packagecost.ToString("c"));

                                    originZipTextBox.Clear();
                                    destinationZipTextBox.Clear();
                                    lengthTextBox.Clear();
                                    widthTextBox.Clear();
                                    heightTextBox.Clear();
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

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        WeightTetBox.Clear();
    }
}

}

}

}

}

}

private void packageListBox_SelectedIndexChanged(object sender, EventArgs e)
{
    int index = packageListBox.SelectedIndex;    //position of the package
    that was selected
    GroundPackage package;                      //holds the package

    index = packageListBox.SelectedIndex;
    if(index >= 0)
    {
        package = packageList[index];
        MessageBox.Show(package.ToString());
    }

}

private void fromUofLButton_Click(object sender, EventArgs e)
{
    int index = 0;                             //postiton
    GroundPackage package;                      //holds the package
    double packageCost;                        //holds the cost of the package

    index = packageListBox.SelectedIndex;
    if(index >= 0)
    {
        package = packageList[index];
        package.From = 40202;
        packageCost = package.CalcCost();

        packageListBox.Items[index] = packageCost.ToString("C");
    }

}

private void toUofLButton_Click(object sender, EventArgs e)
{
    int index = 0;                             //position
    GroundPackage package;                      //holds the package
    double packageCost;                        //holds the cost of the package

    index = packageListBox.SelectedIndex;
    if (index >= 0)
    {
        package = packageList[index];
        package.To = 40202;
    }
}

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packageCost = package.CalcCost();  
packageListBox.Items[index] = packageCost.ToString("C");  
    }  
}  
}
```