

Memo

To: Cathy Burchill
From: Heather Taylor
Date: October 6, 2022
Re: Lab # 2

This lab took me about 4-6 hours total to complete.

I followed the plan as thoroughly as possible, but I needed to return to my notes for quite a few of the events.

Using lblTitle in lblData got me pretty confused for a while so I scoured the notes to find the solution. I managed to solve my issue by reading through the relevant chapter in the text book.

Also, adding the title to the message box that appears when the photo is clicked, took me some research to find, but it was a very simple solution. Who knew a comma could be so helpful?

Finally, the tab order was a tricky puzzle to solve. I tried adding a focus early in the code to highlight the correct text box but that didn't solve my problem. I also tried manually changing the tab order by typing in the values. Unfortunately, the group boxes were taking control of the tab order. I had to change the group box tab order as well as the text boxes to get the focus to start on txtNum.

```

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 TaylorLab2
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            /* Heather Taylor - October 6th, 2022
            * This program is both a calculator and a display of some information
            about my cat Moose
            * The left side of the program will multiply 2 numbers and display the
            solution
            * The right side of the program will display a photo and a short
            description of Moose
            * */
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            //close the form
            this.Close();
        }

        private void btnPicture_Click(object sender, EventArgs e)
        {
            //Show the picture and hide data label
            picMoose.Visible = true;
            lblData.Visible = false;
        }

        private void btnHide_Click(object sender, EventArgs e)
        {
            //hide the picture and data label on top of it
            picMoose.Visible = false;
            lblData.Visible = false;
        }

        private void btnReset_Click(object sender, EventArgs e)
        {
            //blank out the text boxes and the answer label

```

```

        txtNum.Text = "";
        txtMultiplier.Text = "";
        lblAnswer.Text = "";

        //set focus to Number text box
        txtNum.Focus();
    }

    private void btnData_Click(object sender, EventArgs e)
    {
        //hide picture
        picMoose.Visible = false;

        //display information in lblData
        lblData.Visible = true;

        //description of my topic using the label
        lblData.Text = "My topic is " + lblTopic.Text
            + "\n"
            + "\nMoose is a stray cat who I adopted unexpectedly in 2011."
            + "\n"
            + "\nShe charged at me when I called her and that's how she got her
name."
            + "\n"
            + "\nShe isn't the friendliest cat but she cuddles up when
serenaded.";
    }

    private void picMoose_Click(object sender, EventArgs e)
    {
        //display a message box when the image is clicked
        MessageBox.Show("Meow!", "Heather Taylor");
    }

    private void btnCalc_Click(object sender, EventArgs e)
    {
        //declare data types for text boxes
        int number = Convert.ToInt32(txtNum.Text);
        int multiplier = Convert.ToInt32(txtMultiplier.Text);
        int answer = number * multiplier;

        //display calculation answer in answer label
        lblAnswer.Text = answer.ToString();
    }
}

```