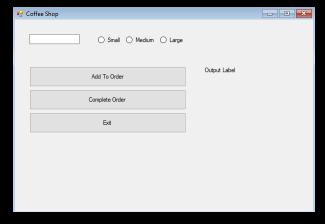EGG202

Lab 5: Coffee Shop

Description

For this lab, you will implement a coffee shop automated system. The form below is what you will need to construct

The text box will be used to read a quantity from the user, the radio buttons will be used to select small, medium, or large size. The add total button is used to update the running total for the order, complete order outputs the order total to the output label, and exit button exits out of the program. A small cup costs \$1.75, medium costs \$1.90, and large costs \$2.00, it is recommended to use constants for each.

Sample Run

A link to the video can been seen https://youtu.be/rZu5BxV13aI, along with the sample exe file on the in the canvas assignment area

Event Function Details

You will need to implement the following event functions

- `private void Form1_Load(object sender, EventArgs e)` - sets all radio buttons to unchecked, sets btnAdd and btnCompleteOrder to disabled, and sets the running total for the order to 0

- `private void btnAdd_Click(object sender, EventArgs e)` - Outputs a message if none of the radio buttons are selected, otherwise we updated the amount of small, medium, or large cups based on which radio button was selected, then enable btnCompleteOrder, set the radio buttons to unchecked, clear out the text box and set the focus to the text box

- `private void btnCompleteOrder_Click(object sender, EventArgs e)` - compute the order total, clear out the text box, output the results to the label, disable btnCompleteOrder, and set the small, medium, and large amounts to be 0

- `private void btnExit_Click(object sender, EventArgs e)` - exits the program

- `private void txtQuantity_TextChanged(object sender, EventArgs e)` - clears out the output label, enables the btnAdd if a valid integer is entered, otherwise disables that button

Submission

Compress your project files into a zip file and upload to the canvas site by the deadline