BUS 442 Information Systems Development

C# Project 1

Ice Cream Truck Point-of-Sale System

Overview

In this project, you are required to build a Windows Forms application in C# that simulates the point-of-sale system for an ice cream truck. The application should offer three types of ice cream: Cones, Ice Cream Sandwiches, and Soft Serves.

Objectives

1. Familiarize yourself with the basics of Windows Forms applications in C#.

2. Develop understanding in handling user inputs and performing calculations based on those inputs.

3. Provide hands-on experience in UI/UX design for a simple application.

Requirements

1. **Fictitious Truck Name**: Use a label at the top of the form to display a fictitious name for the ice cream truck.

2. **User Inputs**:

Three text boxes should be used for user input (With appropriate labels):

- Number of Cones
- Number of Ice Cream Sandwiches
- Number of Soft Serves

3. **Price Labels**: Use labels next to each text box to display the price for each type of ice cream.

   - Cone: $3.00

   - Ice Cream Sandwich: $4.00

- Soft Serve: $2.50

4. **Check Out Button**: Include a "Check Out" button that, when clicked, calculates the total amount based on the user input and unit price for each item.

5. **Total Amount**: Use a text box below the "Check Out" button to display the total amount calculated.

Font to use: Use any font family and font size for the label at the top of the form. For all other labels, set the form font family to Segoe UI and font size to 9. Avoid italics and underlining.

Evaluation Criteria

Functionality: Does the application perform the task as specified?

Code Quality: Is the code well-organized, readable, and well-commented?

What to turn in

Zip the entire solution directory and upload it to Moodle.

Deadline

Submit project 1 by February 07.

Grading Rubric:

UI Design: 30 points

Code quality: 30 points (Well commented code)

Functionality: 40 points