

Develop an application, similar to the screenshot to the right, which will allow the user to keep track of sales of ice cream.

The user will select a cone size, toppings, flavor and the quantity. The application will calculate the subtotal for the transaction automatically as the user enters data and display it next to the **Subtotal** label.

When the user clicks on **Add Transaction**, the transaction will be added to the transaction list and the running total will be calculated and displayed next to the **Running Total** label. Then the form will reset back to the defaults so the user can enter the next order into the program.

The screenshot shows a window titled "Project 2" with a light blue border. Inside, there are three columns of options for an ice cream order. The first column, "Cone Sizes", has three radio buttons: "Small - \$1.00" (selected), "Medium - \$1.50", and "Large - \$2.00". The second column, "Toppings", has three checkboxes: "Sprinkles - \$0.25", "Fudge - \$0.75", and "Peanuts - \$0.50". The third column, "Flavor", has three radio buttons: "Vanilla - No Charge" (selected), "Chocolate - \$0.10", and "Moose Tracks - \$0.15". Below these columns is a "Quantity:" label followed by a text input field containing the number "1". To the right of the quantity field is a "Subtotal: \$1.00" label. Further right is a button labeled "Add Transaction". To the right of the button is a "Running Total: \$20.30" label. At the bottom of the window is a large text area containing a list of transactions: "\$3.70 | Small Chocolate | Peanuts Sprinkles", "\$9.60 | Medium Moose Tracks | Fudge", and "\$7.00 | Large Vanilla | Fudge Peanuts Sprinkles".

Minimum Program Requirements:

- Validate all inputs to ensure the user cannot crash the program.
- The **Subtotal** and **Running Total** values must be formatted as currency with a dollar symbol and two decimal places.
- Data must be stored with a structured array.
- Create a function that will calculate and display the subtotal.
- Create a function that will display the complete list of transactions within the transactions list output.
- Create a function that will calculate and returning the running total. Your function should not display the running total, but rather calculate it and return it to the code calling. The calling code will be used to display the running total.
- Comment code.