

# COMS-176: Introduction to .NET Programming

## Programming Activity – Project 2

### Scenario

StarDucks Coffee Café is seeking a new touch screen Point of Sale System (POS). The system needs to include the items that they offer and allow baristas enter the order and provide a total to the customer. This system must allow the ordering of multiple items of each type by the user simply tapping on the screen. Removing items from the order is also simply tapping the screen from the items ordered list.

### *Pricing Information:*

All orders require 6% sales tax.

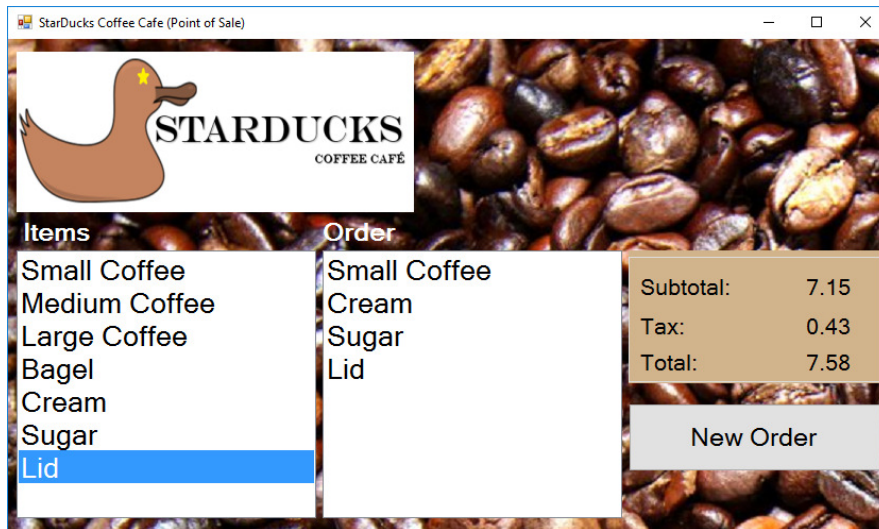
<i>Item</i>	<i>Price</i>
<i>Small Coffee</i>	<i>\$4.95</i>
<i>Medium Coffee</i>	<i>\$6.87</i>
<i>Large Coffee</i>	<i>\$8.52</i>
<i>Bagel</i>	<i>\$2.99</i>
<i>Cream</i>	<i>\$0.71</i>
<i>Sugar</i>	<i>\$0.50</i>
<i>Lid</i>	<i>\$0.99</i>

### *Form Design*

StarDucks Coffee Café has already hired a developer to design the form to best work with their baristas enhancing their user experience (UX). Use the attached application to get yourself started (make sure you unzip the application prior to opening). The application not only includes form design, but also some documentation on what should happen under each event.

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### Test Cases

The following text cases will assist making sure that your calculations are correct.

Small Coffee	4.95	Large Coffee	8.52	Small Coffee	4.95
Medium Coffee	6.87	Medium Coffee	6.87	Cream	0.71
Small Coffee	4.95	Lid	0.99	Sugar	0.50
Lid	0.99	Lid	0.99	Lid	0.99
Bagel	2.99	Tax	1.04	Tax	0.43
Tax	1.25	<b>Total</b>	<b>18.41</b>	<b>Total</b>	<b>7.58</b>
<b>Total</b>	<b>22.00</b>				

### Grading

Use the following as a checklist to make sure your program meets the requirements.

Item	Point Value
Application allows for use with no keyboard interaction.	5
Includes list parallel to items in list box for items that can be ordered.	15
Includes list parallel to items in list box for items purchased and allows for item removal.	15
Calculations are correct.	5
Uses at least one void method.	10
Uses at least one value returning method (consider sales tax).	10
All controls are renamed and inline documentation is provided	5
<b>Total Points</b>	<b>65</b>