

## **Coding Assignment**

### **Step 1: Shopping cart**

1. You are building a checkout system for a shop which only sells apples and oranges.
2. Apples cost 45c and oranges cost 65c.
3. Build a checkout system which takes a list of items scanned at the register
4. and outputs the \_\_\_ total cost
5. For example: [ Apple, Apple, Orange, Apple ] => \$2.00
6. Make reasonable assumptions about the inputs to your solution; for example, many candidates take a list of strings as input

### **Step 2: Simple offers**

- The shop decides to introduce two new offers
  1. buy one, get one free on Apples
  2. 3 for the price of 2 on Oranges
- Update your checkout functions accordingly

## **Solution:**

Used: Visual Studio ASP.NET MVC

Created a web application which depicts the shopping cart. Assumption that the input is predefined in the controller (Home).

There is function called **defineItemsAndPricingRules** () where input and the offers can be modified.

As soon as the checkout button is clicked the offers get applied to the code.

When you run the application you see the following screenshots:

Please find the screenshots below

File Edit View Favorites Tools Help

Brunner Test Shopping Cart

### Shopping Cart

Name	Cost
Apples	0.45
Apples	0.45
Oranges	0.65
Oranges	0.65
Oranges	0.65
Payable Total	2.85

 Checkout

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Please click the checkout button to apply the discount.

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### Shopping Cart

Name	Cost
Apples	0.45
Apples	0.45
Oranges	0.65
Oranges	0.65
Oranges	0.65
Payable Total	1.75

 Checkout

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