|  |  |
| --- | --- |
| Name | Price (USD) |
| Apple | 4.0 |
| Milk (1L) | 9.41 |
| Eggs (12 pack) | 5.25 |
| Cola (1L) | 12.10 |
| Cola Zero (1L) | 11.15 |

You are expected to develop a simple console program for the following requirements. Unit tests are expected to be included in your submission.

|  |  |  |
| --- | --- | --- |
| Requirement 1 |  |  |
| I need to be able to scan products (Apples, Milk etc) and get a total for the order. This should cater for single scanning and bulk scanning (scan once while supplying quantity). | | |

|  |  |  |
| --- | --- | --- |
| Requirement 2 |  |  |
| I need to be able to cancel a product from the order if it has been added by accident. | | |

|  |  |  |
| --- | --- | --- |
| Requirement 3 |  |  |
| I need to be able to print an itemized receipt listing product name, quantity, price, subtotal and grand total. | | |

|  |  |  |
| --- | --- | --- |
| Requirement 4 |  |  |
| I need to be able to discount certain products by a percentage (e.g. 5% off Apples, 10% off Coke 1L) and have the discounted price reflect on the receipt. | | |

|  |  |  |
| --- | --- | --- |
| Requirement 5 |  |  |
| I need to be able to offer certain products on a buy X get Y free special offer (e.g. if you buy 3 Apples you get 4th Apple for free) | | |

|  |  |  |
| --- | --- | --- |
| Requirement 6 |  |  |
| I need the POS system to suggest eligible special offers and discounts based on the products I have scanned so that I can give my customer the opportunity to take advantage of the offer. | | |

|  |  |  |
| --- | --- | --- |
| Requirement 7 |  |  |
| I need to be able to specify cross product discounts (e.g. buy 2 liters of milk and get a 12 pack of eggs for free) | | |