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| **Test case #** | **Purpose of the test case** | **Input Data** | **Expected output** |
| 1 | Test the parameterized Constructor of the Shopping bag class. | Create a new empty shopping bag | None |
| 2 | Test add() method on Fruit bag  The method uses the name, price and taxable value variable to create a grocery item and add it to the bag | "Mango", 1.5, false  "Apple", 2.5, false  Orange", 3.5, true | Case 1:Mango and Apple and Orange added to myBag.  Case 2: Something wrong. Incorrect size of bags. |
| 3 | Test case for print() method on fruit bag  Print the bag content. Expected output is three fruits | "Mango", 1.5, false  "Apple", 2.5, false  Orange", 3.5, true | \*\*You have 3 items in the bag.  Mango : $1.50 : tax free  Apple : $2.50 : tax free  Orange : $3.50 : is taxable  \*\*End of the List |
| 4 | Test case for remove() method  The method removes an item from the bag. The size of the bag after removal determine the output. Output case 1 when condition good. Case 2 otherwise | "Mango", 1.5, false  "Apple", 2.5, false  “Orange", 3.5, true | Case 1: Excpected output: Item removed  Case 2: something wrong. Item could not be removed |
| 5 | Test case for salesTotal() method  Use the price entered for the different items to output the sales total when condition is good($6) Output case 1 when condition good. Case 2 otherwise | "Mango", 1.5, false  "Apple", 2.5, false  “Orange", 3.5, true | Case 1: Expected output: Sales total is $saleVariable  Case 2: Something wrong: wrong sales Tax total! |
| 6 | Test case for salesTax() method  Test if the sales Tax output a value superior to zero as one item in the bag is taxable. | "Mango", 1.5, false  "Apple", 2.5, false  “Orange", 3.5, true | Case 1: Expected output: Sales total is $salesTaxVariable  Case 2: Something wrong: wrong sales Tax total! |
| 7 | Test case for grow() method  Grow the bag and check if the new bag size is more than the initial. Output case 1 when condition good. Case 2 otherwise |  | Case 1: Expected output: Grown bag.  Case 2: Something wrong: Same bag! |
| 8 | Test case for checkout() method  Checkout the bag and check if the bag is empty after checkout. Expected out is displayed when condition is true. | "Mango", 1.5, false  "Apple", 2.5, false  “Orange", 3.5, true | Case 1: Expected output: bag checked out!  Case 2: Something went wrong with checkout! |

\*\*Case 1 for expected output

\*\*Case 2 for wrong cases