CS 213 - Project 1 Test Case Write Up (Christian Rodriguez, Mohammed Moussa)

Test Case #	Purpose of test case	Input Data	Expected Output
1	Test the add() method for adding grocery items to a shopping bag. A name, price, and taxable boolean must be provided. The results will be displayed using the print() method. ● Case 1: Taxable is set to true, so output should display "is taxable". ● Case 2: Taxable is set to false, so output should display "tax free".	● Case 1 Instance #1: "Pumpkin", 3.99, true ● Case 2 Instance #1: "Bread", 0.99, false	● Case 1 .Pumpkin: $3.99 : is taxable ● Case 2 .Bread $0.99 : tax free
2	Test the remove() method, which removes an item from a shopping bag. Returns a boolean. ● Case 1: The shopping bag is empty or item is not found, the method returns false. ● Case 2: The shopping bag contains the item to remove, the method returns true.	● Case 1: Instance #1: - Bag is empty Instance #2: - Bag without the removable item ● Case 2: Instance #1: - Bag has the removable item	● Case 1 returns false ● Case 2 returns true
3	Test the grow() method, which grows the capacity of the shopping bag by 5.	A shopping bag with a capacity of 5	A shopping bag with a capacity of 10
4	Test the salesTax() method, which calculates the sales tax for any item. ● Case 1: A taxable item is given, return sales tax given price ● Case 2: A non-taxable item is given, return $0.00 as sales tax	● Case 1: Instance #1: - 3.99 (Taxable item) ● Case 2: - Non-taxable item	● Case 1: Instance #1: - $0.26 ● Case 2: - $0.00