

Analysis – Program 3

We will have five different classes in our solution. The A3Driver, Clothing, Electronics, Grocery, and Item class. The Item class will implement Comparable<Item> in order for us to sort the multiple items in our shopping cart. The Clothing, electronics, and grocery class will be subclasses of the item class because they are types of items. (is-a relationship) The A3Driver algorithm will split the input string into individual tokens in an array and then parse it. The Clothing, electronics, and grocery classes will all have its respective constructor as well as a way to calculate the final price based on shipping and tax.