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Check In 3

Method and Unit Tests

Method

```
/**
 * adds an item to myItemList as long as the item has not already been added
 * @param theItemName
 * @param theAuctionName
 * @param theDonor
 * @param theCondition
 * @param theSize
 * @param theNote
 * @param theDescription
 * @param theMinBid the minimum bid allowed
 * @return return true if item is added and false if the item has already
           been added to this auction
 */
public boolean addItem(String theItemName, String theDonor,
                  String theCondition, String theSize, String theNote,
                  String theDescription, double theMinBid)
{
      String id = Integer.toString(myID) + Integer.toString(nextItemID);
      int theId = Integer.valueOf(id);
      Item theItem = new Item(theItemName, theDonor, theCondition, theSize,
                     theNote, theDescription, theMinBid, theId);
      for (Item i : myItemList)
      {
            if (theItem.isEqual(i))
                  return false;
            }
      myItemList.add(theItem);
      nextItemID++;
      return true;
}
```

Tests

```
/**
 * Test method for {@link model.Auction#addItem(model.Item)}
 */
@Test
public void testAddItem()
{
      // test itemList is empty.
      assertEquals(0, ((ArrayList<Item>) theAuction.getItemList()).size(),
                    0.0);
      // add first item.
      theAuction.addItem("Painting", "Private Collector", "New", "Large",
                           "None", "A reprint of Picasso's The Old
                           Guitarist.", 100.00);
      // test itemList holds 1 item.
      assertEquals(1, ((ArrayList<Item>) theAuction.getItemList()).size(),
                          0.0);

            theAuction.addItem("Vending Machine", "Private Collector", "Like
                                 New", "Large", "None", "A Cocal-Cola machine
                                   from the 1920s.", 1000.00);

      assertEquals(2,((ArrayList<Item>)theAuction.getItemList()).size(),
                          0.0);

      theAuction.addItem("Comic Book", "Private Collector", "Very Good",
                         "Small", "None", "Amazing Spider-Man 300 first
                         appearance of Venom.", 500.00);
      assertEquals(3, ((ArrayList<Item>) theAuction.getItemList()).size(),
                        0.0);
}

/**
 * Test method for {@link model.Auction#addItem(model.Item)}.
 */
@Test
public void testAddItemDuplicate()
{
      theAuction.addItem("Vending Machine", "Private Collector", "Like New",
                        "Large", "None", "A Cocal-Cola machine from the
                         1920s.", 1000.00);

      assertFalse(theAuction.addItem("Vending Machine", "Private Collector",
                          "Like New", "Large", "None", "A Cocal-Cola machine
                           from the 1920s.", 1000.00));
}

/**
 * Test method for {@link model.Auction#addItem(model.Item)}.
 */
@Test
public void testAddItemNotDuplicate()
{
      theAuction.addItem("Vending Machine", "Private Collector", "Like
                         New", "Large", "None", "A Cocal-Cola machine
                         from the 1920s.", 1000.00);

      assertTrue(theAuction.addItem("Vending", "Private", "Like New",
                             "Large", "None", "A Cocal-Cola machine from the
                              1920s.", 1000.00));
}
```