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...4.2P\SwinAdventure\SwinAdventureTest\InventoryTest.cs
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using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using SwinAdventure;
using NUnit.Framework;
namespace SwinAdventureTest
   public class InventoryTest
        [Test]
        public void TestFindItem()
            Inventory inventory = new Inventory();
            Item axe = new Item(new string[] { "axe" }, "a power wooden axe", →
              "+10 ATK Damage points");
            Item sword = new Item(new string[] { "sword" }, "an valuable iron →
              sword", "This is a sword, + 20 ATK Damage points");
            inventory.Put(axe);
            Assert.IsTrue(inventory.HasItem(axe.FirstID));
        }
        [Test]
        public void TestFetchItems()
            Inventory inventory = new Inventory();
            Item axe = new Item(new string[] { "axe" }, "a power wooden axe", >
              "+10 ATK Damage points");
            Item sword = new Item(new string[] { "sword" }, "an valuable iron >
              sword", "This is a sword, + 20 ATK Damage points");
            inventory.Put(axe);
            Item fetchItem = inventory.Fetch(axe.FirstID);
            Assert.IsNotNull(fetchItem);
            Assert.AreEqual(axe, fetchItem);
            Assert.IsTrue(inventory.HasItem(axe.FirstID));
        }
        [Test]
        public void TestNoFindItem()
            Inventory inventory = new Inventory();
            Item axe = new Item(new string[] { "axe" }, "a power wooden axe", >
              "+10 ATK Damage points");
            Item sword = new Item(new string[] { "sword" }, "an valuable iron →
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sword", "This is a sword, + 20 ATK Damage points");
            inventory.Put(axe);
            Assert.IsFalse(inventory.HasItem(sword.FirstID));
        }
        [Test]
        public void TestItemList()
            Inventory inventory = new Inventory();
            Item axe = new Item(new string[] { "axe" }, "a power wooden axe", >
              "+10 ATK Damage points");
            Item sword = new Item(new string[] { "sword" }, "a valuable iron
              sword", "This is a sword, + 20 ATK Damage points");
            inventory.Put(sword);
            inventory.Put(axe);
            string itemList = inventory.ItemList;
            string expectedItemList = "a valuable iron sword (sword)\na power >
              wooden axe (axe)\n";
            Assert.AreEqual(expectedItemList, itemList);
        }
        [Test]
        public void TestTakenItem()
            Inventory inventory = new Inventory();
            Item axe = new Item(new string[] { "axe" }, "a power wooden axe", >
              "+10 ATK Damage points");
            Item sword = new Item(new string[] { "sword" }, "a valuable iron
              sword", "This is a sword, + 20 ATK Damage points");
            inventory.Put(axe);
            Assert.IsTrue(inventory.HasItem(axe.FirstID));
            Item takeItem = inventory.Take(axe.FirstID);
            Assert.AreEqual(axe, takeItem);
            Assert.IsFalse(inventory.HasItem(axe.FirstID));
   }
}
```