4.2. SwinAdventure Iteration 2 (Other files are included in my submission as .cs files)

Test File

using SwinAdventure;

namespace TestQueue

{

public class Tests

{

Item item1 = new Item(new string[] { "sword" }, "sword", "a sword");

Item item2 = new Item(new string[] { "shield" }, "shield", "a shield");

[SetUp]

public void Setup()

{

}

[Test]

public void ItemIdentifiable()

{

Assert.IsTrue(item1.AreYou("sword"));

}

[Test]

public void ShortDescription()

{

Assert.That(item1.ShortDescription, Is.EqualTo("sword (sword)"));

}

[Test]

public void FullDescription()

{

Assert.That(item1.FullDescription, Is.EqualTo("a sword"));

}

[Test]

public void FindItem()

{

Inventory inventory = new Inventory();

inventory.Put(item1);

Assert.IsTrue(inventory.HasItem("sword"));

}

[Test]

public void NoItem()

{

Inventory inventory = new Inventory();

Assert.IsFalse(inventory.HasItem("sword"));

}

[Test]

public void FetchItem()

{

Inventory inventory = new Inventory();

inventory.Put(item1);

Assert.That(item1, Is.EqualTo(inventory.Fetch("sword")));

Assert.IsTrue(inventory.HasItem("sword"));

}

[Test]

public void TakeItem()

{

Inventory inventory = new Inventory();

inventory.Put(item1);

Assert.That(item1, Is.EqualTo(inventory.Take("sword")));

Assert.IsFalse(inventory.HasItem("sword"));

}

[Test]

public void ItemList()

{

Inventory inventory = new Inventory();

inventory.Put(item1);

inventory.Put(item2);

//the list string below is the expected output, consisting of every item in the following format: name ( first id)

Assert.That(inventory.ItemList, Is.EqualTo("sword (sword)\nshield (shield)\n"));

}

[Test]

public void PlayerIdentifiable()

{

Player player = new Player("Tan", "A player");

Assert.IsTrue(player.AreYou("me"));

Assert.IsTrue(player.AreYou("inventory"));

}

[Test]

public void PlayerLocate()

{

Player player = new Player("Tan", "A player");

player.Inventory.Put(item1);

Assert.That(item1, Is.EqualTo(player.Locate("sword")));

}

[Test]

public void PlayerLocateItself()

{

Player player = new Player("Tan", "A player");

Assert.That(player, Is.EqualTo(player.Locate("me")));

Assert.That(player, Is.EqualTo(player.Locate("inventory")));

}

[Test]

public void PlayerLocateNothing()

{

Player player = new Player("Tan", "A player");

Assert.That(player.Locate("sword"), Is.Null);

}

[Test]

public void PlayerFullDescription()

{

Player player = new Player("Tan", "A player");

player.Inventory.Put(item1);

player.Inventory.Put(item2);

//the list string below is the expected output, consisting of every item in the following format: name ( first id)

Assert.That(player.FullDescription, Is.EqualTo("You are Tan A player\nYou are carrying:\nsword (sword)\nshield (shield)\n"));

}

}

}

Test Results

A screenshot of a computer

Description automatically generated