using System;

using System.Collections.Generic;

namespace IdentifiableObject

{

public class IdentifiableObject

{

private readonly List<string> \_idents = [];

public IdentifiableObject(string[] idents)

{

foreach (string s in idents)

{

AddIdentifier(s);

}

}

public bool AreYou(string id)

{

return \_idents.Contains(id.ToLower());

}

public string FirstID

{

get

{

if (\_idents.Count == 0)

{

return "";

}

else

{

return \_idents[0];

}

}

}

public void AddIdentifier(string id)

{

\_idents.Add(id.ToLower());

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using NUnit.Framework;

namespace IdentifiableObject

{

[TestFixture]

public class TestIdentifiableObject

{

[Test]

public void TestAreYou()

{

string[] testIdentifiableObjectArray = ["Fred", "Bob"];

IdentifiableObject testObject = new(testIdentifiableObjectArray);

Assert.That(testObject.AreYou("fred"), Is.True);

}

[Test]

public void TestNotAreYou()

{

string[] testIdentifiableObjectArray = ["Fred", "Bob"];

IdentifiableObject testObject = new(testIdentifiableObjectArray);

Assert.That(testObject.AreYou("wilma"), Is.False);

}

[Test]

public void TestCaseSensitive()

{

string[] testIdentifiableObjectArray = ["Fred", "Bob"];

IdentifiableObject testObject = new(testIdentifiableObjectArray);

Assert.That(testObject.AreYou("bOB"), Is.True);

}

[Test]

public void TestFirstID()

{

string[] testIdentifiableObjectArray = ["Fred", "Bob"];

IdentifiableObject testObject = new(testIdentifiableObjectArray);

StringAssert.AreEqualIgnoringCase("fred", testObject.FirstID);

}

[Test]

public void TestFirstIDWithNoIDs()

{

string[] testIdentifiableObjectArray = [];

IdentifiableObject testObject = new(testIdentifiableObjectArray);

StringAssert.AreEqualIgnoringCase("", testObject.FirstID);

}

[Test]

public void TestAddID()

{

string[] testIdentifiableObjectArray = ["Fred", "Bob"];

IdentifiableObject testObject = new(testIdentifiableObjectArray);

testObject.AddIdentifier("Wilma");

Assert.Multiple(() =>

{

Assert.That(testObject.AreYou("fred"), Is.True);

Assert.That(testObject.AreYou("bob"), Is.True);

Assert.That(testObject.AreYou("wilma"), Is.True);

});

}

}

}

Ảnh có chứa ảnh chụp màn hình, văn bản, phần mềm, Phần mềm đa phương tiện

Mô tả được tạo tự động