GitHub Link: https://github.com/sivakumar999/P3P1.git

Here i am writing Test Files what we used in this project

ClassTests.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Security.Claims;

using System.Text;

using System.Threading.Tasks;

using NUnit.Framework;

using School;

namespace School.Tests

{

[TestFixture]

public class ClassTests

{

[Test]

public void TestClassName()

{

// Arrange

Class myClass = new Class();

myClass.Name = "Math";

// Act

string className = myClass.Name;

// Assert

Assert.AreEqual("Math", className);

}

[Test]

public void TestClassId()

{

// Arrange

Class myClass = new Class();

myClass.Id = 1;

// Act

int classId = myClass.Id;

// Assert

Assert.AreEqual(1, classId);

}

}

}

StudentTests.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace School.Tests

{

[TestFixture]

public class StudentTests

{

[Test]

public void TestStudentName()

{

// Arrange

Student student = new Student();

student.Name = "John Doe";

// Act

string studentName = student.Name;

// Assert

Assert.AreEqual("John Doe", studentName);

}

[Test]

public void TestStudentAddress()

{

// Arrange

Student student = new Student();

student.Address = "123 Main St";

// Act

string studentAddress = student.Address;

// Assert

Assert.AreEqual("123 Main St", studentAddress);

}

}

}

SubjectTests.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace School.Tests

{

[TestFixture]

public class SubjectTests

{

[Test]

public void TestSubjectName()

{

// Arrange

Subject subject = new Subject();

subject.Name = "Science";

// Act

string subjectName = subject.Name;

// Assert

Assert.AreEqual("Science", subjectName);

}

[Test]

public void TestSubjectId()

{

// Arrange

Subject subject = new Subject();

subject.Id = 2;

// Act

int subjectId = subject.Id;

// Assert

Assert.AreEqual(2, subjectId);

}

}

}