**SETTING UP UNIT TESTING WITH NUNIT AND MOQ**

**Step 1: Create a Windows Class Library Project**

Open Visual Studio 2022.

Click on "File" > "New" > "Project...".

Select "Class Library" and with the name School.

Add Class.cs, Student.cs, and Subject.cs to the project.

**Step 2: Add References**

Right-click on "References" in the Solution Explorer of your Class Library project.

Click on "Add Reference..." to add necessary references.

**Step 3: Create a Unit Testing Project**

Right-click on your solution in the Solution Explorer.

Select "Add" > "New Project...".

Choose "NUnit Test Project" and with the name Shool.Tests.

**Step 4: Add References to Test Project**

Right-click on "References" in the Solution Explorer of your Test project.

Click on "Add Reference...".

Select your Class Library project under the "Projects" tab.

**Step 5: Write NUnit Test Cases**

Created test classes (ClassTests.cs, StudentTests.cs, and SubjectTests.cs) in the Test project.

Writed test methods for properties and functionalities.

**Step 6: Testing All**

In menu bar click on Test,

Then click on Test explorer to see the tests and tests results.

Its builds the solution once more to check.

All Done.