2.1 Setting Up NUnit Environment

This section will guide you to:

* Set up NUnit as part of a Visual Studio project

**Development Environment**

* Windows 10
* Visual Studio 2019 Community Version

This guide has six subsections, namely:

2.1.1 Creating a Windows Console project

2.1.2 Setting up NUnit as part of the project

2.1.3 Setting up NUnit3TestAdapter as part of the project

2.1.4 Building the project

2.1.5 Publishing and running the project

2.1.6 Pushing the code to your GitHub repositories

**Step 2.1.1:** Creating a Windows Console project

* Open Visual Studio.
* From the top menu, click **File->New->Project**
* Select **Console App (.NET Framework)** from the displayed project types
* Click **Next**
* Name the **Project Name** as Phase4Section2.3 and click **Create**

**Step 2.1.2:** Setting up NUnit as part of the project

* From the **Solution Explorer,** right click on **Phase4Section2.3** and click **Manage Nuget Packages**
* Click on **Browse** tab and search for NUnit
* Click on the NUnit item and click **Install**

**Step 2.1.3:** Setting up NUnit3TestAdapter as part of the project

* From the **Solution Explorer,** right click on **Phase4Section2.3** and click **Manage Nuget Packages**
* Click on **Browse** tab and search for NUnit3TestAdapter
* Click on the NUnit3TestAdapter item and click **Install**

**Step 2.1.4:** Building the project

* From the top menu, choose **Build->Build Solution**
* If any compile errors are shown, fix them as required.

**Step 2.1.5:** Publishing and running the project

* From the top menu, select **Debug->Start Without Debugging**
* This will execute the program in the default browser
* To see the student pages, go to the URL : http://localhost:xxxx/students

**Step 2.1.6:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master