Unit Testing Documentation

# Technologies

Below are the list of technologies and packages involved with the creation of the unit tests

1. Microsoft Visual Studio 2017 Enterprise

Microsoft’s main IDE

Includes NuGet package manager

1. NUnit

Unit testing framework for all .NET

1. NUnit3TestAdapter

NUnit 3 adapter for running tests in the Visual Studio IDE

1. WatiN

An automation testing framework for use in .NET for automated web testing

# How to run tests

1. Open the Visual Studio IDE and open the solution file
2. Make sure the Web application is available for automation testing, ensuring the testUrl string in WebUITest.cs is set correctly.
3. The unit tests are found in the Text Explorer window. This can be accessed by using the
   1. Test -> Windows -> Test Explorer
4. Click the “Run All” button to run all the unit tests within the solution
5. Note: individual tests can be run by right-clicking and selecting “Run Selected Tests” while a single selection is made

# Suggestions for further improvement

1. The connection strings (“localhost:10870”) should be changed to reference that is found in a .config file