

Getting Started with Selenium Test Automation

This guide will walk you through setting up and running automated tests using Selenium WebDriver in Visual Studio. No prior coding experience is required.

Step 1: Download Git and Visual Studio

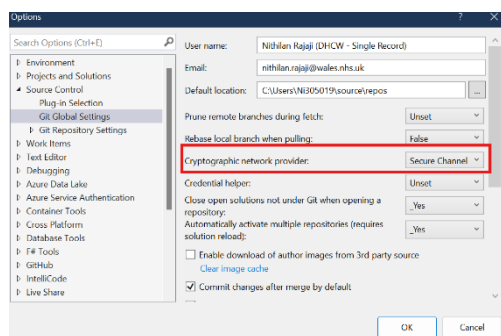
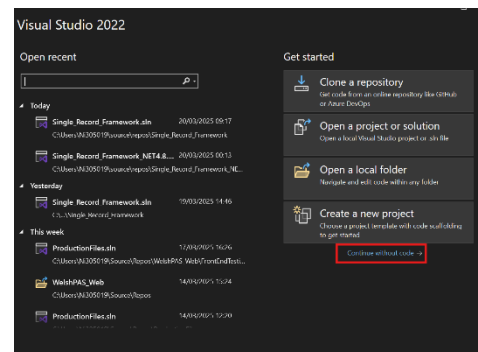
1. If you haven't already, download and install **Git** from git-scm.com.
2. Download and install **Visual Studio** from visualstudio.microsoft.com.
3. During installation, make sure to select the necessary workloads and packages for Selenium (e.g., **.NET desktop development**).

Step 2: Setting up and how to interact with framework.

I.

Install **Visual studio** community 2022(visualstudio.microsoft.com), During installation, make sure to select the necessary workloads and packages for Selenium (e.g., **.NET desktop development**).

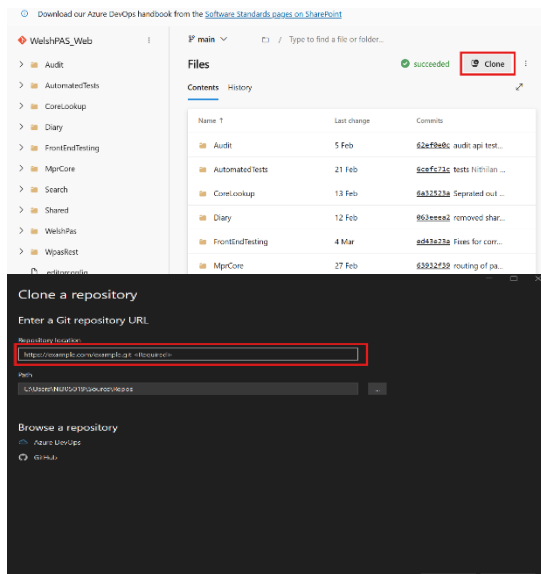
once completed when opening the application, you will be able to see this window open. Please choose '**Continue without code**'



Once Visual Studio is open, please follow these steps, on the toolbar - **Git >> Settings >> Source Control** (Drop-down-menu) >> **Global Settings >> Cryptographic Network Provider** (Drop-down-menu) >> **Secure Channel**.

Now you can follow the below steps or on the toolbar – **Git >> Clone repository** and follow the below steps.

II.

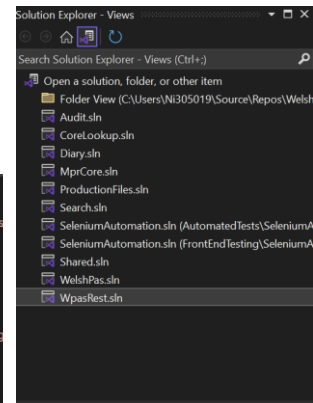
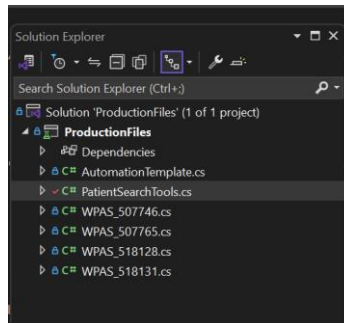


The URL for the front-end application can be found in this link ([WelshPAS_Web - Repos](#)). The page will have a 'Clone' button on there or can be accessed through the three dotted signs beside 'WelshPAS_Web'. When selected you will be prompted with the URL which should be pasted into the Visual studio's Repository Location.

III.

Navigate to the tool bar, go to View>>Solution Explorer, which will open the following window. The '.sln' files are the projects which contain working test files present within the project. DoubleClick on '**ProductionFiles.sln**'.

When the file opens, all the test files should be visible with C# at the start of each file symbolising the code language being C sharp. Double-click on any of the files to open them.

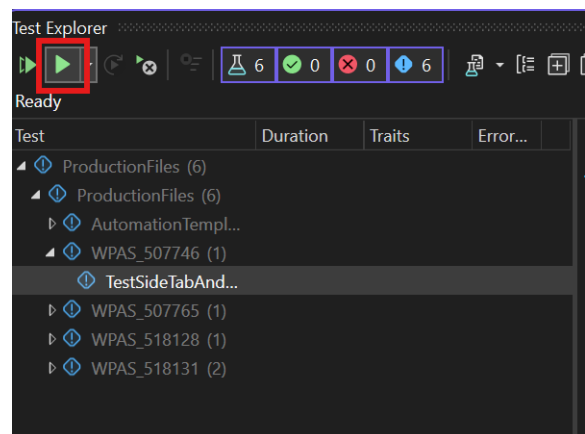


IV.

How To test

View >> Test Explorer >> Dropdown on '**ProductionFiles**'.

This should show all the current features files present under that nameclass. Press the green playbutton, this will then run the tests. Once the test has been completed. A console will then appear beside to show the outcome of the test with any necessary given steps.



Step 3: Information on files

The Files starting with 'WPAS_' are the files that should correlate with the manual tests given to us though some might have dynamic implementation on the files which runs through multiple manual tests within one feature. The public library is named as **'PatientSearchTools.cs'** which contain all the methods that can be used to make new tests.