**Instructions and features of this test framework**

* The solution(AngloAmerican.SDET.AutomationTest.sln) contains two projects

1. **AngloAmerican.SDET.UITest.Common.csproj** – Common reusable project which can be published on secured server to be used in any test project
2. **AngloAmerican.SDET.UITest.csproj** – The test project where all the tests live

* **To run the tests**

1. Please open visual studio 2019 and open the AngloAmerican.SDET.AutomationTest.sln from AngloAmerican.SDET.UITest.Common folder
2. In the UITest project i.e. AngloAmerican.SDET.UITest, add a project reference of common project i.e. AngloAmerican.SDET.UITest.Common
3. Rebuild it and run the tests

* **Features of this test framework:**

1. Built on .Net Core 3.1, BDD framework and Page Object design pattern using C#, SpecFlow, Selenium WebDriver, Fluent Assertions ,xUnit etc.
2. Main focus is on code reusability, reusability in such extent the common project can be packed and published as a Nuget package (AngloAmerican.SDET.UITest.Common.1.0.0.nupkg, published in the bin folder) which can be hosted on AzureDevOps or other server so that other team can download and refer this as a Nuget package in their test project.
3. A separate class (ExceptionLogger.cs ) and functions to log exceptions in flat file so that debugging become easy specifically when test run on agent machine
4. Cross browser capability. Tests can run in Chrome, Firefox and IE browser, can be extended on Edge and headless browser. Scenario should be tagged with @BrowserName
5. Security is also taken into consideration to keep all the secrets as a variable in config file, which can be encrypted and decrypted by Agent task in DevOps or can be hosted in Azure Key Vaults
6. Test report generation
7. Screenshot capturing