Project

Page object design pattern

Pages object > pages

Tests > E2ETest

Uilites > Base class , jasonreader , TestData.jason

App.config > file contain key , value

Need manage NuGet package :

1. coverlet.collector
2. DotNetSeleniumExtras.waithelper
3. DotNetSeleniumExtras. PageObjects.core
4. DotNetSeleniumExtras.PageObjects
5. ExtentRepots
6. Misrfost.net.test.sdk
7. Nuint
8. NuimeTestAdaport
9. Selenuim.Support
10. Selenuim.Driver
11. System.configration.configrationManager
12. WebDriverManager

Important file from edit project

|  |
| --- |
| <Project Sdk="Microsoft.NET.Sdk">  <PropertyGroup>  <TargetFramework>netcoreapp3.1</TargetFramework>  <IsPackable>false</IsPackable>  </PropertyGroup>  <PropertyGroup Condition="'$(Configuration)|$(Platform)'=='Debug|AnyCPU'">  <WarningLevel>4</WarningLevel>  <DebugType>full</DebugType>  <DebugSymbols>true</DebugSymbols>  </PropertyGroup>  <ItemGroup>  <PackageReference Include="DotNetSeleniumExtras.PageObjects" Version="3.11.0" />  <PackageReference Include="DotNetSeleniumExtras.PageObjects.Core" Version="4.3.0" />  <PackageReference Include="DotNetSeleniumExtras.WaitHelpers" Version="3.11.0" />  <PackageReference Include="ExtentReports" Version="4.1.0" />  <PackageReference Include="Microsoft.NET.Test.Sdk" Version="16.9.4" />  <PackageReference Include="NUnit" Version="3.13.1" />  <PackageReference Include="NUnit3TestAdapter" Version="3.17.0" />  <PackageReference Include="coverlet.collector" Version="3.0.2" />  <PackageReference Include="Selenium.Support" Version="4.3.0" />  <PackageReference Include="Selenium.WebDriver" Version="4.3.0" />  <PackageReference Include="System.Configuration.ConfigurationManager" Version="6.0.0" />  <PackageReference Include="WebDriverManager" Version="2.13.0" />  </ItemGroup>  <ItemGroup>  <None Update="Utlites\TestData.json">  <CopyToOutputDirectory>PreserveNewest</CopyToOutputDirectory>  </None>  </ItemGroup>  <Target Name="CopyCustomContent" AfterTargets="AfterBuild">  <Copy SourceFiles="App.config" DestinationFiles="$(OutDir)\testhost.dll.config" />  </Target>  </Project> |

public ThreadLocal<IWebDriver> driver = new ThreadLocal<IWebDriver>();

1.run every dataset Parallel [Parallelizable(ParallelScope.All)]

2.run every test in same class in Parallel [Parallelizable(ParallelScope.Children)]

3.run every test outside class in Parallel [Parallelizable(ParallelScope.self)]

How to run from Viual studio by CMD

Open view > Terminal

|  |
| --- |
| * dotnet test Csharp\_Selenium\_WebDriver\_Project.csproj |

based on category only

|  |
| --- |
| * dotnet test Csharp\_Selenium\_WebDriver\_Project.csproj --filter TestCategory=Smoke |

based on category and choose your brower

|  |
| --- |
| * dotnet test Csharp\_Selenium\_WebDriver\_Project.csproj --filter TestCategory=Smoke --% -- TestRunParameters.Parameter(name=\"browserName\", value=\"FireFox\") |

How to run from Jenkins by CMD

|  |
| --- |
| dotnet test Csharp\_Selenium\_WebDriver\_Project.csproj --filter TestCategory=%category% -- TestRunParameters.Parameter(name=\"browserName\", value=\"%browserName%\") |