As discussed, please find the assignment details below.

Should you have any inquiries, please feel free to respond directly to this email.

Assignment:

Selenium Tests with GitHub Actions in .NET/C# for [https://www.saucedemo.com/\*\*](https://www.saucedemo.com/**)

Objective:

Develop a comprehensive set of Selenium tests for the <https://www.saucedemo.com/> website using .NET and C#. Additionally, set up a GitHub Actions workflow to execute these tests in parallel, generating a detailed test report published as an artifact.

Requirements:

1. Write Selenium Tests in C# for Saucedemo:

   - Develop Selenium tests using C# for interactions on the Saucedemo website, covering scenarios like logging in, adding items to the cart, and checking out.

2. Create a GitHub Repository:

   - Establish a public GitHub repository to host your Selenium tests and associated files, utilizing C# as the primary language for the project.

3. GitHub Actions Workflow:

   - Create a GitHub Actions workflow (`/.github/workflows/selenium\_tests.yml`) with the following key features:

     - Utilize parallel jobs for concurrent test execution.

     - Configure the environment for each job with the necessary dependencies, including the Selenium WebDriver.

     - Checkout the repository code.

     - Execute Selenium tests using a .NET test runner (e.g., NUnit, MSTest).

     - Generate a comprehensive test report.

4. Test Report:

   - Configure the workflow to generate a detailed test report, utilizing a test framework's built-in reporting (e.g., NUnit HTML reports) or integrating an external reporting tool.

5. Artifact Publishing:

   - Publish the test report as an artifact in GitHub Actions, ensuring easy accessibility after each workflow run.

Submission:

Please provide the GitHub repository link and include any necessary instructions for reviewing the test results.

Thank you for your attention to this assignment. I look forward to reviewing your submission.

Best regards,