**SpecFlow.Automation**

**Overview**

This project is a SpecFlow-based automation framework for testing various functionalities on the website [DemoQA](https://demoqa.com/). It automates the testing of different elements and features on the website, covering a wide range of test cases.

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**Project Structure**

* **Drivers:** Contains web driver configuration and setup.
* **Features:** Holds SpecFlow feature files for different test scenarios.
* **StepDefinitions:** Contains the C# step definitions for SpecFlow features.
* **Support:**
  + **Hooks:** Hooks for setup and teardown.
  + **DriverExtensions:** Extensions and helper methods for web driver.
  + **config.json:** Configuration settings.

**Features Tested**

The project automates tests for the following sections on the [DemoQA](https://demoqa.com/) website:

1. Automation Of ElementsText Box, Check Box, Web Tables, Buttons, Upload and Download.
2. Automation of Alerts, Frame & Windows: Browser Windows, Alerts.
3. Automation of Widgets: Auto Complete, Date Picker, Tool Tips.
4. Automation of Interactions: Sortable, Droppable.
5. Automation of Book Store Application: Login.

**Prerequisites**

Before running the tests, make sure you have the following prerequisites installed:

* Visual Studio (or your preferred C# development environment)
* SpecFlow extension for Visual Studio
* .NET Framework
* WebDriver (e.g., Selenium WebDriver)
* Browser driver (e.g., ChromeDriver)

**Getting Started**

1. Clone this repository to your local machine.
2. Open the "SpecFlow.Automation" solution in Visual Studio.
3. Restore NuGet packages.

**Running Tests**

To run the tests, follow these steps:

1. Build the solution.
2. Open the Test Explorer in Visual Studio.
3. Discover the tests by clicking the "Run All" button in the Test Explorer.
4. Run specific tests by selecting them in the Test Explorer and clicking "Run Selected Tests."