Automation Test Lead - Assignment

Instructions

In this assignment you are required to develop a small python script to automate a basic WPF form called “List of Products”.

The script you develop should be able to initiate the form “List of Products”, Add a product and validate the new product is successfully added onto existing List of items.

Script should be able to test for:

* Valid/invalid product details
* If a newly created product was added to the list of items on form “List of Products”

Rules

1. Your solution must be written entirely in Python
2. You are required to use the following libraries where required to complete this assignment:

|  |  |
| --- | --- |
| Python UI Automation for Windows | <https://github.com/yinkaisheng/Python-UIAutomation-for-Windows> |
| Python Behave | <https://behave.readthedocs.io/en/stable/install.html> |

1. Include positive/negative scenarios to show the script capabilities/validations/Assertions
2. Your script must be able to handle different value inputs within the feature file for the parameters Product.Item, Product.Start, Product.Category, Product.Special (see below feature file specification for context)

Task

1. Download the attached WPF Store Demo.zip application and make sure you can open it correctly (You may need to install .NET6.0 first)
2. Using **only** the resources specified in the rules section of this document develop a small BDD test case implementing the feature file specified below
3. Your script must be adequately documented, and a readme file should be specified explaining your approach
4. Share your script either by sending a zip file or push to GitHub

Feature file to be specified on next page

|  |
| --- |
| *Given user is logged into form “List of products”*  *When user invokes button “Add Product”*  *And sets “NewProduct.Item description” to “New Book”*  *And sets “NewProduct.Start Price” to “22”*  *And sets “NewProduct.Category” to “Books”*  *And user invokes button “Submit”*  *Then user can find “NewProduct” in form “List of products”* |

Hints

You may find it useful to use the inspect.exe (found within [Python-UIAutomation-for-Windows](https://github.com/yinkaisheng/Python-UIAutomation-for-Windows)/**inspect**/) tool that comes bundled with the UiAutomation package to help you automate the WPF form.

Good Luck!