***TO DO: Create an automation script (Python) to navigate from the website homepage (https://www.provistacorp.com/) to the Contact Us page and fill out the data elements.***

For this project (home assignment) I have used Python with Selenium WebDriver, which I am familiar with.

- I have designed this script in a way, to be useful for the next tests and not to limit to this one. I have implemented many functions (def) at the end of the CLASS – to use them multiple times.

- I would go further and architecture this script into multiple packages and files within the project. For example, I would build at least 3 packages (base, pages, tests).

* In the **‘Base’** package I would include all the relevant functions and where I would setup Browsers (chrome, firefox, edge), Faker, Wait, etc.
* In the **‘Pages’** package I would include every page from website in separate files and where I would extract all the locators and relevant functions all the buttons and input fields, radio buttons, from that specific page.
* In the **‘Tests’** package I would include every test in its’ own file – to be easier to navigate during regression tests

- For the text input fields from the Contact Us page, I would setup a parameterized constructor to test all the negative scenarios – not to write a test for each scenario.

- I have extracted locators in XPATH, CSS\_SELECTOR, NAME, and put them at the beginning of the CLASS - to make the script much clear. I have tried to extract in the most relevant order (ID, CLASS, NAME, CSS\_SELECTOR, XPATH), where I could. In general, I am trying to avoid using XPATH, but in this case the HTML didn't let me to extract in other forms.

- I have used ‘getattr’ method for the dropdown lists – to be easier switching between the options. Also, for this purpose I have implemented the first two classes in the script for further selection.

- I have commented before every step - to be understood by the readers who I didn't work with and don't know my work style.

- I have used Faker() to generate new data for every step. In the "I am representing..." section, I have used Faker.city(), because I didn't find any function for County and State, but I think it is not relevant since the website accepts any data (Sorry but I have submitted a request for testing purposes with some characters in this text input field which are not names of counties or states).

- I have commented the last step in the test (Submit button) – not to generate requests on the website.

**Disclaimer**. This script is my own work, only that I have inspired for some functions from my current project – not to ‘reinvent the wheel’.