Summary

This assignment asks you to create RPA project for the use case to analyse customers addresses which doesn't have internet connection by other major ISP's.

Please complete the assignment by submitting your solution to a GitHub / bitbucket account of your choice. Please let us know when you are ready so that we can review; based on the result we'll invite you to a further discussion. We think you can finish the assignment by Thursday, but please do let us know if you need more time.

Use Case Background

Astro as a new internet provider in the city wants to analyse the customers which doesn't have internet coverage in their area based on Astro customer addresses from major competitors for example: Time, Maxis.

Task

Time and Maxis area availability can be verified based on the following websites:
- https://www.time.com.my/support/internet-coverage-check
- https://cw.maxis.com.my/en/consumer/fiber-coverage.html

RPA bot will traverse for area addresses from excel file and will search on the above mentioned website based on full address or partial address or pin codes and may require to use NLP to create other combinations.

Challenges:

- Search mechanism on both websites is not similar and hence searching with full address might not work.
- Logic and algorithm needs to be built to search with partial address search or pin codes or full address to bring the accurate result.

Expectation From Assignment

- List of addresses where internet coverage doesn't exist.
- Write a clear **documentation** on how it's designed and how to run the code.
- Write good commit messages.
- An online demo and execution video is always welcome.

What We Care About

Feel free to use any libraries you would use if this were a real production product, but remember we're interested in your code & the way you solve the problem, not how well you can use a particular library.

We're interested in your method and how you approach the problem just as much as we're interested in the end result.

Q&A:

If you have any questions, please reach out via the following email:
kamal_bharat-bhushan@astro.com.my

Note: Excel file with sample addresses is attached in the email.