Python Technical Test

As a Python developer at Encircle Marketing, your main responsibility will be to build and maintain new and existing web scrapers for Tyre based websites.

For this test, we require you to attempt to scrape at least one website from the list below using a set of 3-part tyre inputs provided. You should store the data in a database of your own design. We require the following information per tyre price:

- Name of Website Scraped (*www.national.co.uk*, *www.blackcircles.com*)
- Tyre brand *(Bridgestone, Michelin)*
- Tyre pattern *(Turanza T001, Ecopia EP500)*
- Tyre Size *(205/55. 16 V (91), 225/50. 16 W (100) XL)*
- Seasonality (if available) *(Summer, Winter)*
- Price

If you can find any more information on a website you think is useful to store in the database, feel free to add it in.

Please note that you must attempt to be ethical while scraping a website and not throttle their servers with requests. Use rests in the code after any successful request to a website.

Once you have scraped the website, we would like you to export the data in CSV format, preferably using Python.

Example 3-part tyre inputs to use:

1) Width – 205, Aspect Ratio – 55, Rim Size - 16
2) Width – 225, Aspect Ratio – 50, Rim Size - 16
3) Width – 185, Aspect Ratio – 16, Rim Size – 14

Example websites to scrape:

1) www.dexel.co.uk
2) https://www.bythjul.com/
3) https://www.national.co.uk

Helpful Resources

- How to read a Tyre Size - https://www.bridgestonetyres.co.nz/how-to-read-your-tyre-size . Information regarding Tyre Sizes.

Please upload your code to a public GIT location along with an export of your Database structure and your exported CSV file of data.

Once completed, please send a link to the GIT location to connor@encircle-marketing.com.