Logo

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**Technical Evaluation**

**Special Instructions:**

* You are required to submit the tasks (WinRAR Zip file) by **<insert date>**
* You may use scrapping and automation libraries like **Scrapy** and **Selenium** respectively to complete the described tasks.
* Please **add comments** in your code so it is easier to understand which part of the code is doing what.
* You will be asked to walk us through your code and questions might be asked during the demo.

This technical evaluation is based upon one task, the details of which are as follows:

**Task 1:**

* Scrape the below mentioned website for all the **Cars and their Details**

<https://www.tred.com/buy?body_style=&distance=50&exterior_color_id=&make=&miles_max=100000&miles_min=0&model=&page_size=24&price_max=100000&price_min=0&query=&requestingPage=buy&sort=desc&sort_field=updated&status=active&year_end=2022&year_start=1998&zip=>

Graphical user interface, website

Description automatically generated

Graphical user interface, website

Description automatically generated

Graphical user interface, application, table

Description automatically generated

* The sections outlined in black in the first screenshot represents the Zipcode and Radius input area of the website, the script should be written in a way that user can input a zipcode and radius which will be entered here. You may use Selenium to accomplish this.

* After going into each of the results that show up, the items shown in the screenshots above should be scrapped. The list of attributes to be scrapped is given below for your reference:

1. Name
2. Price
3. Vehicle Summary
4. Options

* The output of the web scrapper should be fed into an Excel Workbook (.xlsx file) where each of these attributes are written in separate columns.

