Getting into a Scrape at Neumont

Due Apr 28 by 11:59pm   **Points** 100   **Submitting** a file upload
Available until Apr 29 at 1:59am

This assignment was locked Apr 29 at 1:59am.

Getting into a Scrape at Neumont

- For this lab, you are going to use pySimpleGUI to create a visual application that can web scrape the Neumont Academic Calendar. You can find the current version of the catalog at: **http://neumont.smartcatalogiq.com/2021-2022/Catalog/Academic-Calendar-2021-2022 (http://neumont.smartcatalogiq.com/2021-2022/Catalog/Academic-Calendar-2021-2022)**

  Requirements:

  - Create an appealing GUI interface using pySimpleGUI. The GUI should contain the following:
    - A Title and description for this application
    - A button that when clicked will scrape the website
    - A button that when clicked will save the scraped data to a file
    - A scrollable area to display the output
  - Use Beautiful Soup to obtain the quarter headings, dates, and events from the current catalog
  - Print the data in the scrollable area in the GUI and make it easily readable. Show the quarter heading the date and event.
  - Format and save the data to a text file so that it is easily readable. **Note: do not save it in json format.**
  - Your code must make use of a module py file that you create to scape the site. (remember to check if the user is using your file as a library by using the __name__ == '__main__' check)

  Extra Credit (+30 points)

  - Using today's date, do not show or save calendar events that have passed
  - If it is past the last day of a quarter, do not show the quarter heading

  Extra Credit (+20 points)

  - - Demonstrate a good use of a Class in your code

  Submission Requirements:

  - Submit only the python scripts, no other files should be needed or included.

Some Rubric (4)

Criteria	Ratings		Pts
Use Beautiful Soup to obtain the quarter headings, dates, and events from the current catalog	**50 pts Full Marks**	**0 pts No Marks**	50 pts
Print the data on the screen so that it is easily readable	**20 pts Full Marks**	**0 pts No Marks**	20 pts
Save the data to a text file, also so that it is easily readable but not in json format	**20 pts Full Marks**	**0 pts No Marks**	20 pts
Import your own module py file that does the scraping	**10 pts Full Marks**	**0 pts No Marks**	10 pts
"30pt Extra Credit: Using the current date, do not show or save calendar events that have passed. If it is past the last day of a quarter, do not show the quarter heading."	**0 pts Full Marks**	**0 pts No Marks**	0 pts
		Total Points: 100	