CS 2316
Individual mini-homework 7 – Simple Web Reader
Due: Monday, October 22nd,   before 11:55 PM

Files to submit: 1. HW7.py

This is an INDIVIDUAL assignment!
Collaboration at a reasonable level will not result in substantially similar code. Students may only collaborate with fellow students currently taking CS 1803, the TA's and the lecturer. Collaboration means talking through problems, assisting with debugging, explaining a concept, etc. You should not exchange code or write code for others.

For Help:
        - TA Helpdesk – Schedule posted on class website.
        - Email TA's or use T-Square Forums
Notes:
- **Don't forget to include the required comments and collaboration statement (as outlined on the course syllabus).**
- **Do not wait until the last minute** to do this assignment in case you run into problems.

Part 1 – Simple Web Scraper
Pick a commonly used public website that has some piece of data that you find interesting. *You may not use the AJC or paperbackswap.com websites from the examples in the class!*

The website you choose *must not have* terms of service that prohibits automated downloading of data!

Write a function or method that will retrieve at least one piece of data from that website. The data you choose to download must be "dynamic" in that it must change at least once a month. (Otherwise, why bother writing a program to download it?)

Name your function **getInfo**. Your function may be integrated as a member function (method) of your GUI object (below) or a stand-alone function. Bonus points are available (at your grading TA's discretion) for retrieving more than a single "data item".

Part 2– Simple Info GUI
Write a simple GUI that has a button ("Get Info"). When the user clicks the button, the GUI will call your previously written getInfo method/function and display the

information visually to the user. You may use a simple Entry Widget or label, but if your information can be represented visually with icons or graphics you may also choose to use a Canvas. Bonus points are available (at your grading TA's discretion) for especially fancy informational displays. When the TA runs your python file, your GUI should appear automatically.

Grading

You will earn points as follows for each function that works correctly according to the specifications.

getInfo

Successfully Retrieves the Data	**10**
Terms of Service do not prohibit web scraping	**20**

Info Display

"Get Info" button triggers the download/display	**10**
Info is displayed correctly	**10**

Possible Extra Credit Points:
- Multiple data points or especially tricky data retrieved: +5
- Especially interesting visual display of information: +5