**Assignment: APIs**

For this assignment, you have two tasks. The first is to work through a tutorial on APIs then to write a Python program using an API of your choice. Couple of things to consider when you work with APIs; it's best to test the connection before you start working with the response. For example, open up a new python file and use this code (save before running):

import requests

response = requests.get('http://www.google.com')

print(response.status\_code)

1. Create (if you haven't already) a directory in CSD-325 named module-9.
2. Open a Word document and put your name and assignment number at the top.
3. Open the API tutorial listed in the Reading List.
4. Create a Python program to use for the tutorial. Use the correct URL listed above in the Reading List to test the connection, run the program, take a screenshot of the results and paste into the Word document.
5. Complete the section in the tutorial for retrieving current astronauts and formatting output. Incorporate that code into your program, run the program and take a screenshot of the results and paste into the Word document.
6. Create a program that includes the following:
   * Find a simple API. The link above has a couple that you can work with, but the examples are not in Python...the concept is the same..
   * Test the connection to your API, output results.
   * Print out the response from the request, with no formatting.
   * Print out the response with same formatting as the tutorial program.
   * Run the program and take a screenshot of the results. Paste that screenshot into your Word document.
7. Save your Word document to your module-9 directory.
8. Save the Python file(s) to your module-9 directory.

**Assignment Requirements and Grading:**

1. This assignment is due by **Sunday, 11:59 p.m., CT**.
2. Add the necessary documentation as described in [Documentation Requirements](https://content.bellevue.edu/cst/csd/documentationrequirements.pdf).
3. Make sure all files are in the CSD/CSD-325/module-9 directory. Stage, commit (don't forget the comment!), then push the directory to your GitHub repository.
4. Zip your module-9 directory and submit by clicking on the **Assignment Link** above, then scroll down to the **Upload Files** section and click on **Browse Local Files**. Select your zipped folder, add any comments as appropriate, and then click on **Submit**.
5. To view or print the grading rubric for this assignment, click on the following link: [Programming Rubric](https://content.bellevue.edu/cst/csd/rubricprogrammingv2.pdf).

**(50 points)**