

Project/Homework 3 is worth a total of 150 pts (you can score 155). The assignment is broken down into four distinct parts. You must modify the HW3 code from my Github account.

**Scoring:**

Each challenge is worth 35 points (140pts)

Demo is worth 5pt (5pts)

You can earn 2pts per day for github commits (Same day commits must be at least 4 hours apart) Max pts (10pts)

**Project 3 Challenges:**

A) Madlib: madlibhw3.py

Using text2 from the nltk book corpa, create your own version of the MadLib program.

**Requirements:**

- 1) Only use the first 150 tokens
- 2) Pick 5 parts of speech to prompt for, including nouns
- 3) Replace nouns 15% of the time, everything else 10%

**Deliverables:**

- 1) Print the original text (150 tokens)
- 1) Print the new text

B) Beautiful Soup: bshw3.py

Use <https://www.si.umich.edu/programs/bachelor-science-information/bsi-admissions> as a template.

**Steps**

Create a similar HTML file but

- 1) Replace every occurrence of the word "student" with "AMAZING student."
- 2) Replace the main picture with a picture of yourself.
- 3) Replace any local images with the image I provided in media. (You must keep the image in a separate folder than your html code.

**Deliverables**

Make sure the new page is uploaded to your GitHub account.

C) Twitter API: twitterhw3a.py

Write a Python file that uploads an image to your Twitter account. Make sure to use the hashtags #UMSI-206 #Proj3 in the tweet.

**Requirements**

- 1) Write a Python file that uploads an image to your Twitter account.
- 2) Make sure to use the hashtags #UMSI-206 #Proj3 in the tweet.

**Deliverables**

1) You will demo this live for grading.

D) Twitter API: `twitterhw3b.py`

In this assignment you must do a Twitter search on any term of your choice.

**Deliverables:**

- 1) Print each tweet
- 2) Print the average subjectivity of the results
- 3) Print the average polarity of the results

Be prepared to change the search term during demo.