Working Prototype Known Problems Report
Product Name: Style
Team Name: Style Team
Date: July 25, 2018

List of Functions Not Working:
- Banner
  - The banner of our webpage aligns in the top on both Alexandra's and Kevin's computers, but does not align on Ray's computer.
  - Originally, we had this problem on Alexandra's computer. What happened was that the body wasn't told to start at the top of the page, so it would start a little bit down.
    - This was fixed by setting the margin and padding to 0 for the body.
  - We would need to figure out why Ray's computer does not start the body at the top of the webpage and fix that.
    - A possibility this is occurring is that Ray's computer (or PCs) need something added into the code to recognize these settings.
    - Another possibility is that Ray's code does not have the margin/padding settings set to 0 in the body.
  - Kevin and Alexandra both have macbooks, Ray has a pc, so we believe that could be the issue.

- Running the Program Simultaneously on the Same Computer
  - We believe that the website would not run, and maybe crash if we were to run it on separate websites simultaneously.
    - The user information and text gets stored to a CSV file, so we believe that if we were to run the program twice at the same time, it would crash due to trying to read and write the file at the same time.
    - It is possible that one of the websites would work but the other would not.
      - We could skip saving to a csv file and transfer the data as a python structure, since our processing and machine learning code is now in the same file, ensuring that there is no data potentially saved simultaneously to the same file.
  - We have not been able to test this well yet because the program is too fast for us.
    - When we tried to test it, we wouldn't be able to get to the second web page fast enough to have the program running twice at the same time on the same computer.

- Special Characters
  - If special characters, whether they are symbols like $#!/ or characters from a different language, are entered into the textarea, the program does not catch them.
  - This does not break the code
  - They are recognized as nouns. If "### #### ### ### ###" was to be typed in, it would return 100% nouns.

- ○ A way to fix this would be to make the processing code ignore all special characters.
  - ○ A way to fix the code not recognizing characters from different languages would be to expand our dictionary to include dictionaries from other languages.

- ● Author Results.
  - ○ Sometimes, our code does not return the correct author for each
  - ○ Fitzgerald is our catchall, meaning when someone types something in (like a bunch of characters), it normally returns the author Fitzgerald.
  - ○ Our one thousand word samples have some errors
    - ■ Hemingway and Lovecraft return Fitzgerald
    - ■ Steinbeck returns Lewis
  - ○ The reason we believe that this is occurring is because we do not have a significantly large enough sample size.
    - ■ Different samples from the same author can have completely different statistics. If we were to use one of the sample's statistics, it is possible for the other one to not be matched with it.
    - ■ Having a larger sample for the machine learning would allow for the samples to be compared more accurately.
  - ○ Another reason we believe this is occuring is because the author statistics could be too close together.
    - ■ To fix this, we would need to choose authors with more distinct writing styles.
  - ○ We were worried that