Software Design
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Homework 3

Project Overview
      In my program, my initial goal was to utilize the site "FMyLife," a very sad website with very sad stories. I wanted to allow the user to input "feels good man" or "feels bad man," then parse through the text to find the "FML" that was ranked highest in whichever category the user inputs. However, it became very evident very quickly that while my intentions were pretty simple, parsing that data was much too complex for the level of involvement that I could handle. Parsing through the text became an intense challge, and my end result was a program that would print a random FML from a random page including the number of people who thought the poster "deserved it" or "didn't deserve it."

Implementation
      My program uses pattern and randint. All a user has to do to run my code is to cd to wherever the code is saved and type "python, FML.py" and it will produce the FML and votes string. I tried to keep my program pretty simple to understand. The process is simply to collect the plaintext, split the plaintext into a list by where there is '\n\n', remove excess strings from the top, bottom, and throughout the list, and then print a random entry pair.

Example Outputs
[u'Today, I was on MSN when the conversation died. So I lied and told them I had to go get ready for a party, and that everyone was expecting me there. I spent the rest of the night playing The Sims. FML', u'I agree, your life sucks (8945) - you deserved it (28904)']

[u'Today, suffering from severe morning sickness followed by cravings for salty food, I had stacked our fridge with yummy snacks. When finally emerging from our bathroom after retching this morning, I found out my husband had eaten all my snacks the night before. FML', u'I agree, your life sucks (32361) - you deserved it (3888)']

[u'Today, my sister lost a leg. Immediately after hearing the news, my boyfriend started cracking jokes about getting her a job at IHOP. FML', u'I agree, your life sucks (46628) - you deserved it (5752)']

Reflection
      I planned out everything I had to do in writing before starting to code. I think that was incredibly helpful and useful in my process. However, I think I could improve a ton. I'll admit, my project seems pretty tame this time around. The data parsing was very difficult at first, though, until I found out I was being dumb and trying to do something much more difficult than it needed to be. I think with the commitments I had this week and the time I could dedicate to this project, I had an appropriate scope. In terms of my capabilities, however, I'd like to see myself pushing for a little bit more exciting and innovative program.