Capstone Proposal: JokeBot

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Summary

Stand-up comedy is one of the many things that people go to for a good laugh. Many people ask, “What is funny?”, and all who have tried to define it failed. Making a crowd of strangers laugh is an art, and trying to find the right things to say is a process for all types of comedies. Trying to find something is hard enough, because many comedies do their own jokes differently from each other. This is where the project will come in. The project goal is to take text from a user and make a joke out of what the user is trying to say. The focus of this project will be to extract, find details, and make a joke to express what the user says, create something that is similar. Whilst making the jokes, the project will also interact back when the user gives back a joke.

Project Goals

1. To make a joke based on the user made text.
2. Analyze each joke or text in detail.
   1. What the words are about.
   2. What the user is saying.
3. Which joke to use, depending on what the user says.
4. Respond back with a joke if the program understood what the user says

The Target

* Comedians
* People who like jokes
* Users who like chatbots

Backlog

* “As a user who likes to have everything simple, I would like the bot to respond back in simple sentences that a 5 year-old can understand”
* “As a user, when I type in a joke, I would want the bot to detect a joke.”
* “As a poet, I would want the bot to take my poem and turn it to a funnier poem.”
* “As a user, I would want to be able do knock-knock jokes with the bot and the bot to understand what I said.”
* “As a user, if I do not type in any joke, I would like the bot to ask questions about me in order for it to generate a joke. “
* “As a user, I would want the bot to respond whether I am saying a joke or not joke at all“
* “As a user, I would want the bot to generate a joke if I ask it a question and the joke has to deal with what I am asking.”
* “As a user, I would want the bot to generate a joke if I reply with my own joke”
* “As a user, I would want the bot to generate puns when I talk to it.”

2-Week Plan

-First week:

1. Have the basics of a chatbot.
   1. -Have the bot respond to simple user text such as “hi” and “hello”.
      1. Make states for each character found within a line of text.
         1. This will find each word within a line
         2. States represents what the bot is processing
            1. For example, if we had the word “Hello”, state 1 will be to recognize that we found the character “h”
            2. States will help the program find words within the text
      2. When the word is recognized, responses must vary on what text is given
         1. For example, aloha given and chatbot says “Aloha kaua!”
   2. -Have the bot to respond to knock-knock jokes
      1. The bot will start recognizing what a joke is from the user and help form ways to analyze where and when the jokes form
2. The goal for this first week is to make a basic chatbot and work on making respond to the user with its own text.

-Second week:

1. Have the basics of analyzing jokes
   1. Grab the line of words and look up each word for relations
      1. The relations will help me grab words that will help explain or be put to use for jokes
      2. The bot will look up the entered words from a dictionary or by Google search.
         1. I would use words that are similar to the word that I am searching for
            1. Synonyms.