

Part 1

1.1 Favorite review:

Good salads, sandwiches, etc. Hostess Staff is polite. Nice atmosphere.
Nice Sunday brunch place too.

The screenshot shows a web browser window titled "CSE156 Final Project" at "localhost:5000". The page has a blue header bar with "TEXT" and "CLASSIFICATION" buttons. On the right side of the header, there are buttons for "PA2" and "SPOOKY". The main content area contains the following text:

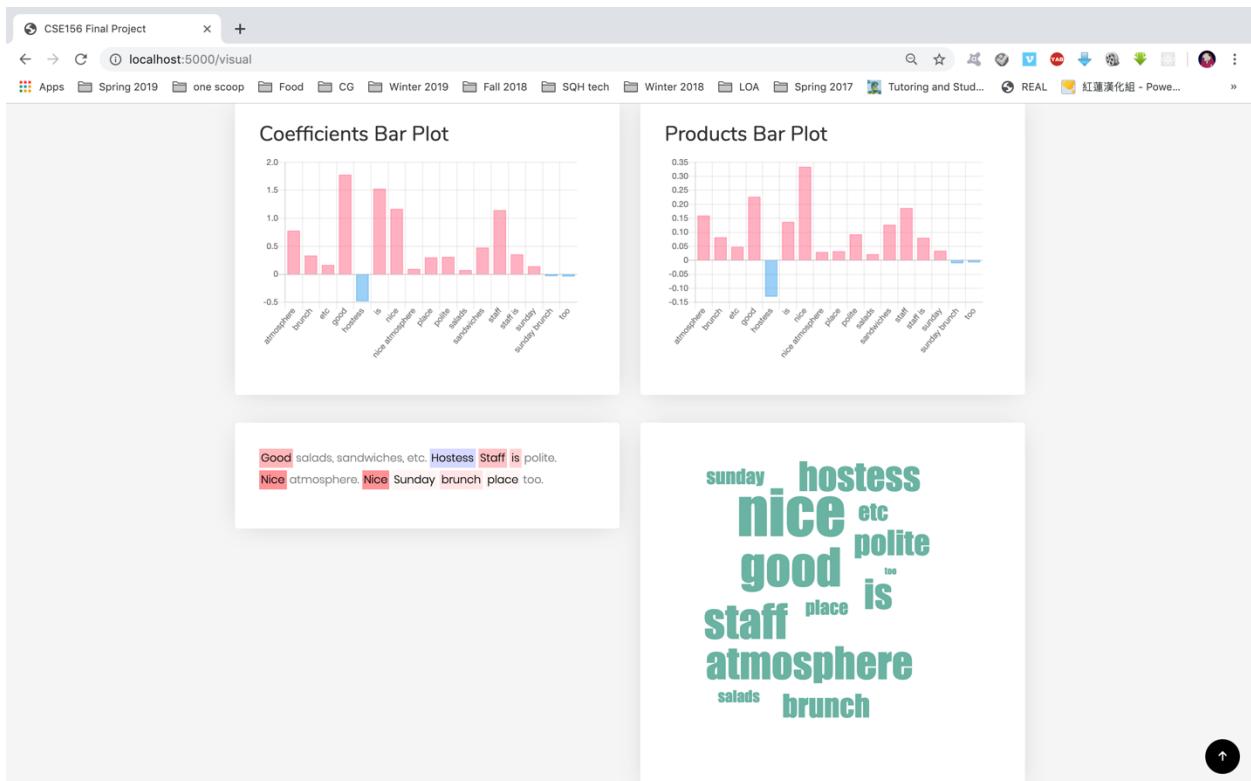
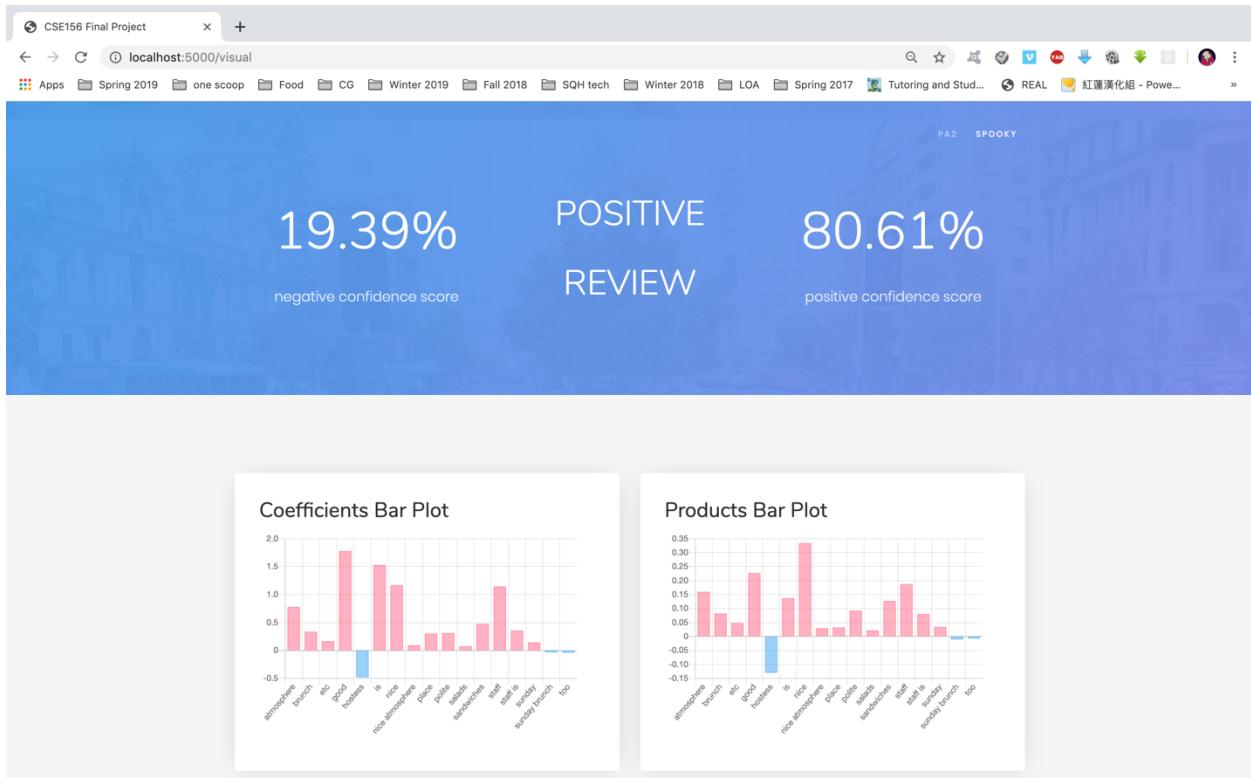
Enter your review and test this model!

Click submit and see the analysis of this review

Good salads, sandwiches, etc. Hostess Staff is polite. Nice atmosphere. Nice Sunday brunch place too.

submit

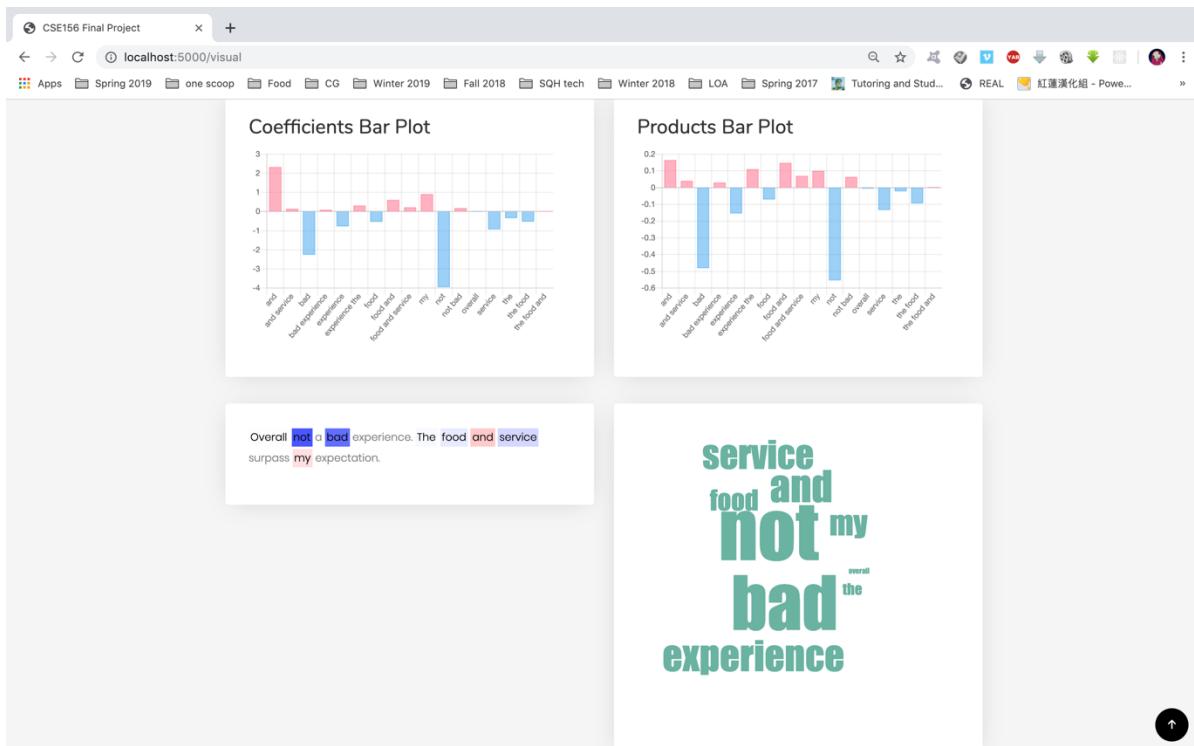
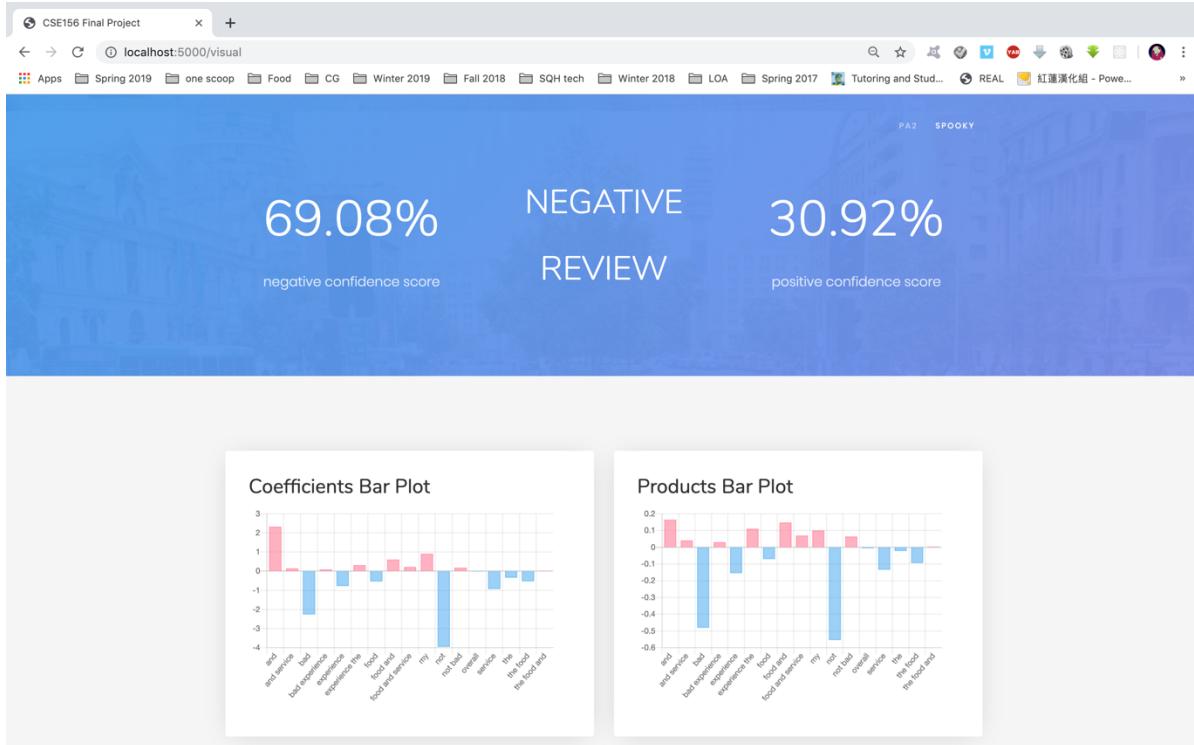
At the bottom of the page, there is a dark footer bar with the text "GROUP MEMBERS".



1.2 A negative review yet is confidently classified as negative.

Overconfident Example:

Overall not a bad experience. The food and service surpass my expectation.



Part 2.

2.1 Horror Fiction Author Classification Task

This classification task is to classify the input horror fiction text into its corresponding author.

The label space includes three horror fiction authors: Edgar Allan Poe, H.P. Lovecraft and Mary Wollstonecraft Shelley.

Labels = ['EAP', 'HPL', 'MWS']

EAP stands for Edgar Allan Poe

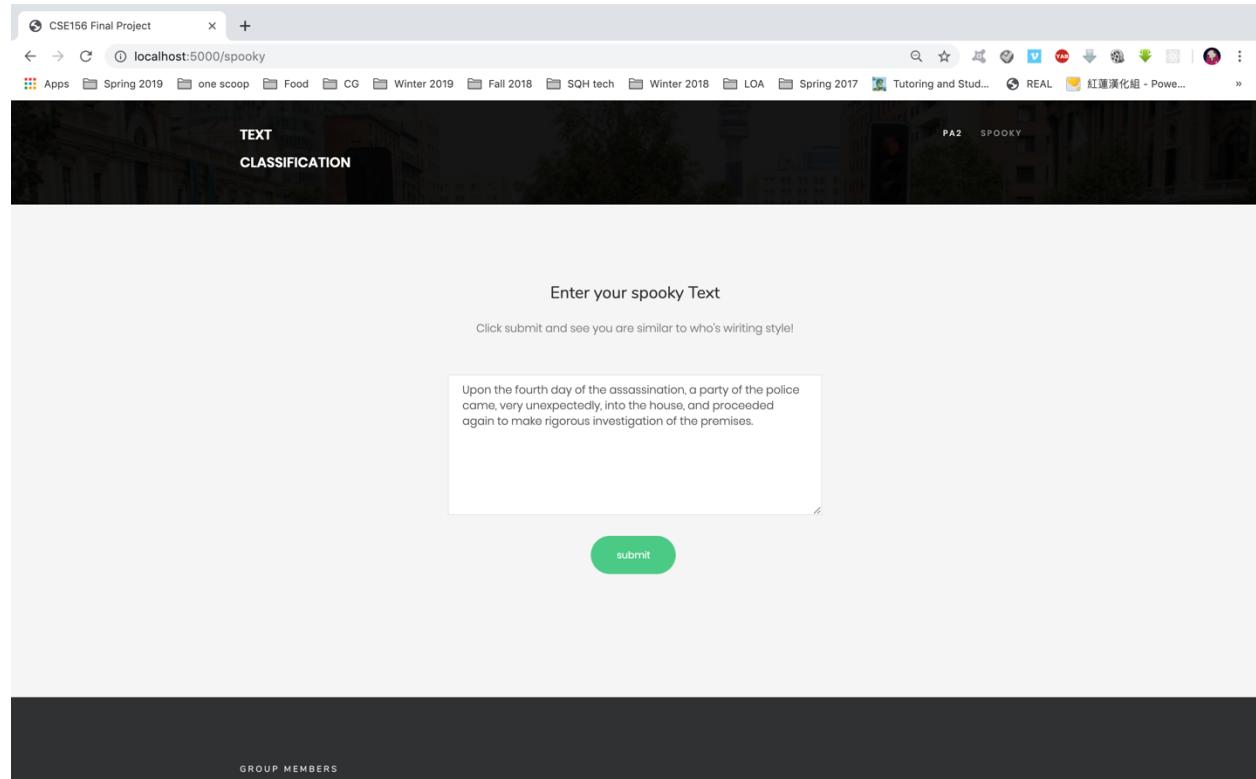
HPL stands for H.P. Lovecraft

MWS stands for Mary Wollstonecraft Shelley

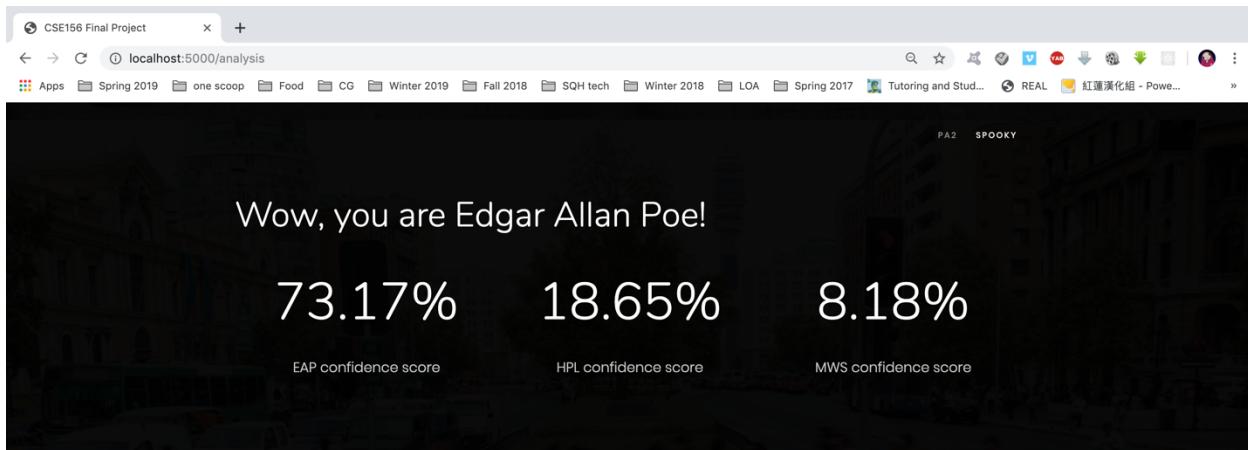
2.2 Favorite sample

Input text:

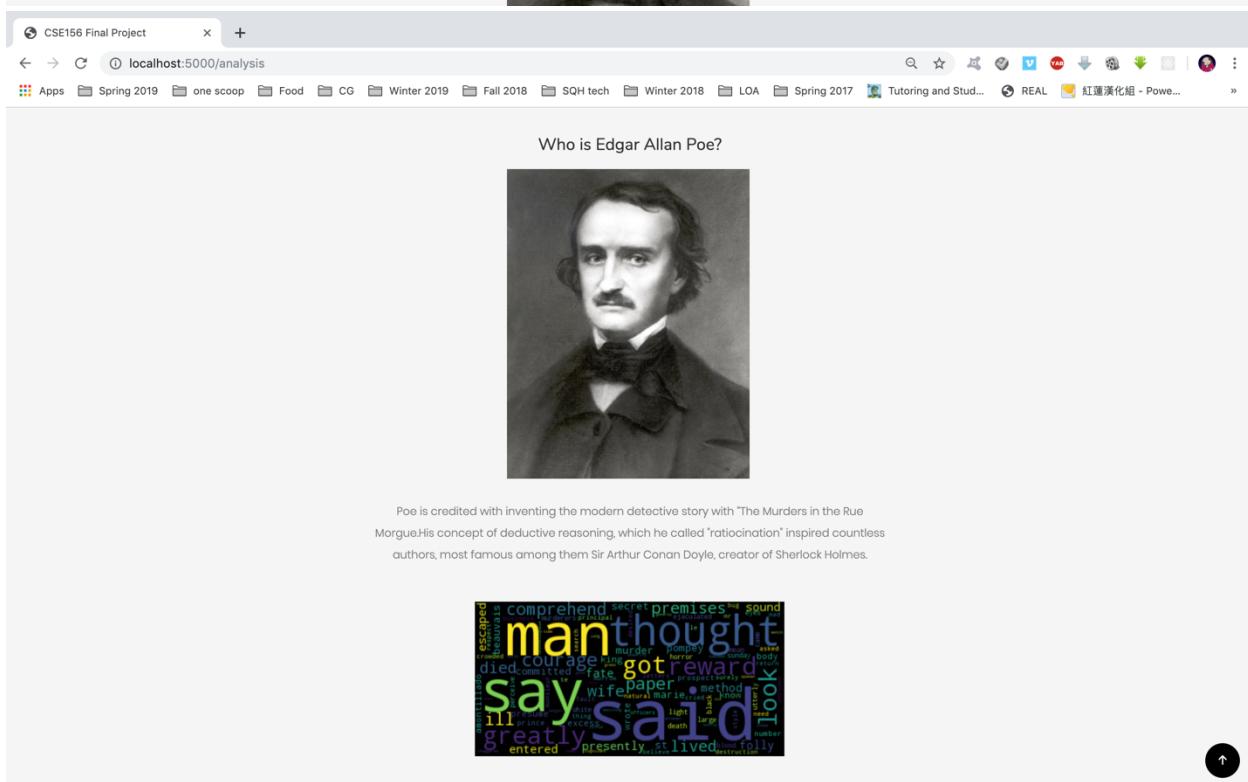
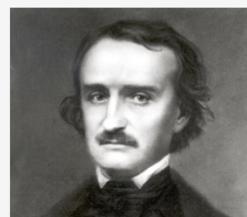
Upon the fourth day of the assassination, a party of the police came, very unexpectedly, into the house, and proceeded again to make rigorous investigation of the premises.

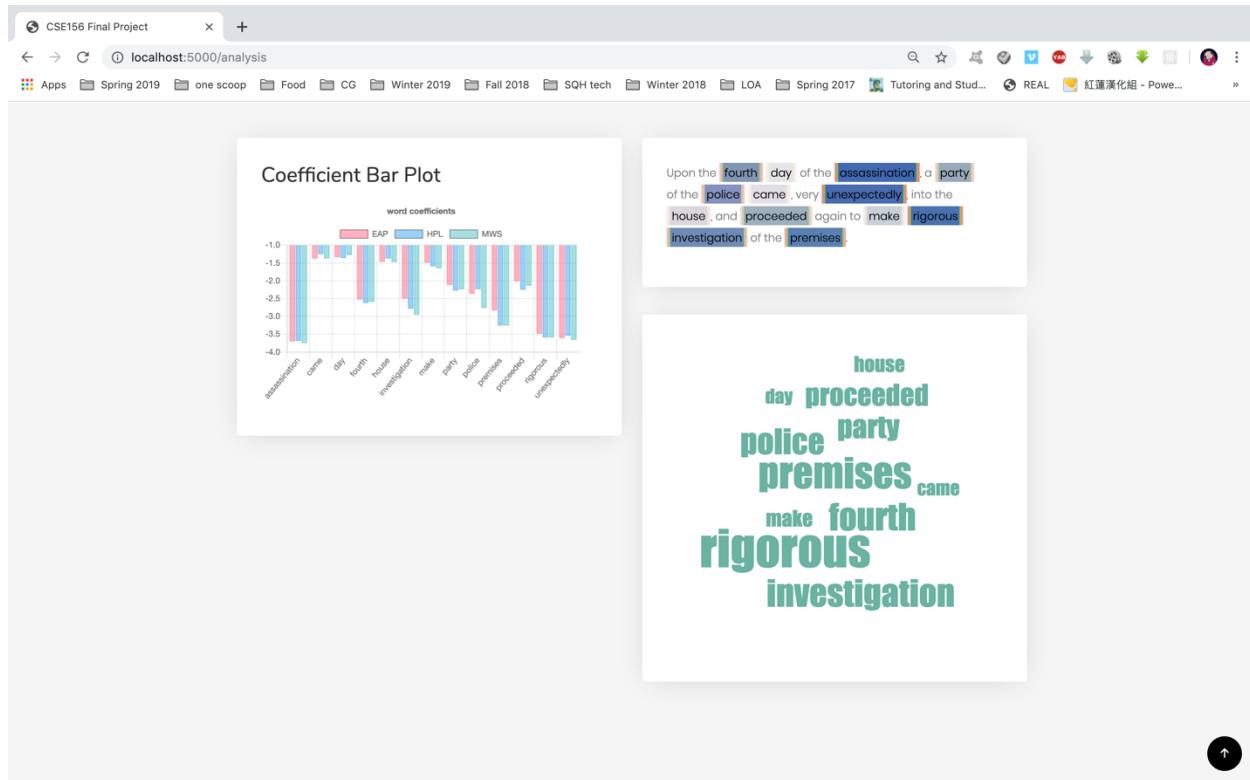


A screenshot of a web browser window titled "CSE156 Final Project". The address bar shows "localhost:5000/spooky". The page content is a form for text classification. At the top left, it says "TEXT CLASSIFICATION". At the top right, it says "PA2 SPOOKY". In the center, there is a text input field with the placeholder "Enter your spooky Text". Below the input field, a note says "Click submit and see you are similar to who's writing style!". A text area contains the input text: "Upon the fourth day of the assassination, a party of the police came, very unexpectedly, into the house, and proceeded again to make rigorous investigation of the premises.". At the bottom of the form is a green "submit" button. At the very bottom of the page, there is a dark footer bar with the text "GROUP MEMBERS".



Who is Edgar Allan Poe?





Part 3

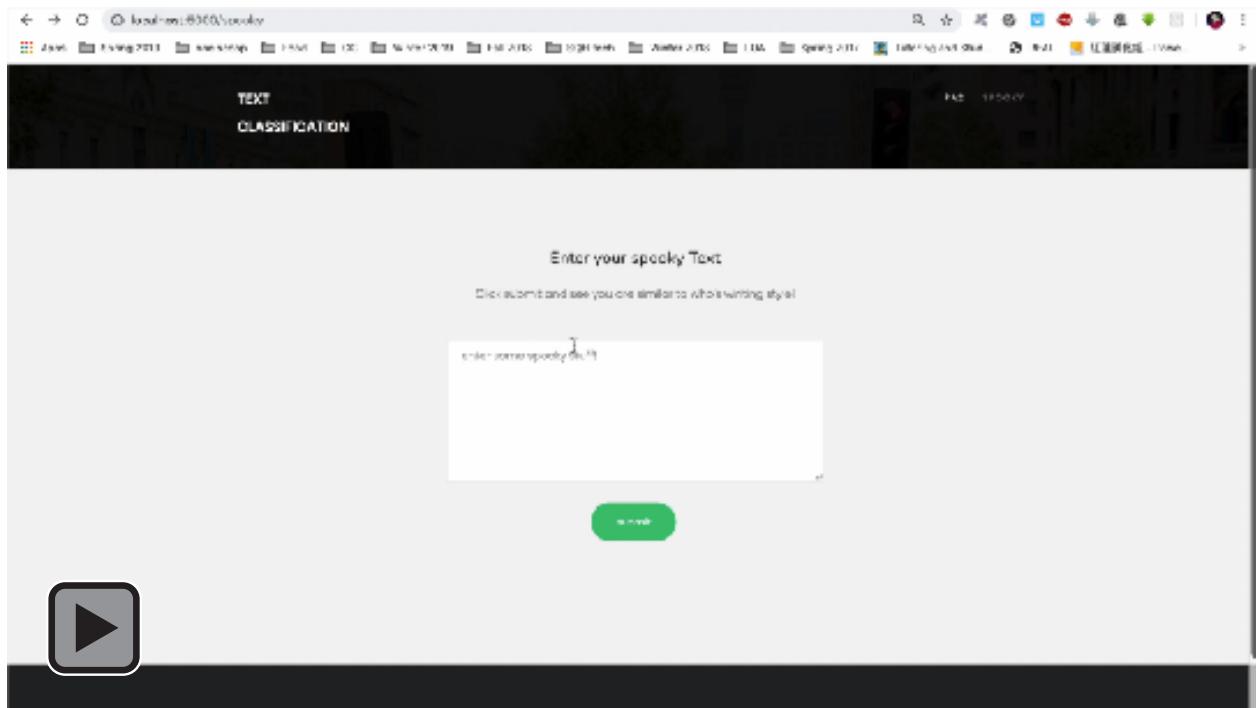
3.2 Demonstrate the creative aspect of your project.

Interesting and challenging task idea:

- Since all three authors are in the horror fiction genre, their writing does have many common phrases which makes it not a trivial classification task.
- It's also a user-interactive classification task: users could input their own horror-related text and see they are similar to which author's writing style!

Clean and interactive design of the user interface:

- Navigation bar is easy transition between 2 different tasks. User could input their task easily into the text box and click submit to transit to the result page.
- Every title text box and every piece of visualization have an "moving up" animation when they first appear on the screen when scrolling up. There's also an "up arrow" in the bottom right corner of the page for user to quickly go back to the top of the result page.



The above media is a video inserted in this pdf. You could either download this pdf, or click the link below to view it.

<https://youtu.be/GgSyUc8HBNQ>