ParryAPI

A tool dedicated to helping gaming communities flag and manage hateful speech

POWERED BY

Flask
Vader
GPT
NLTK

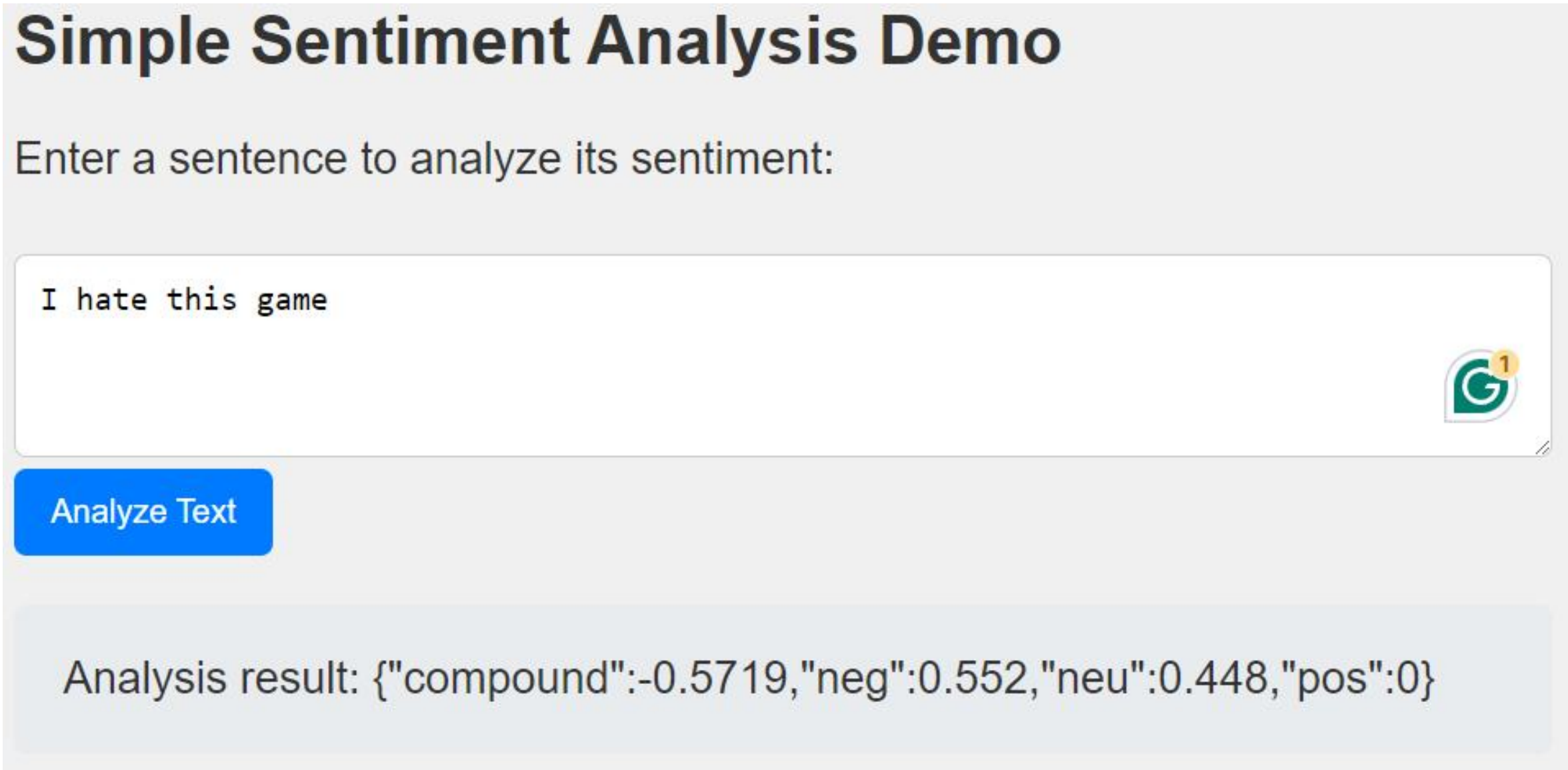
LOYOLA MARYMOUNT UNIVERSITY · FOUNDED 1911

WHAT’S ParryAPI

ParryAPI is a sentiment analysis tool specifically designed to monitor and analyze the emotional tone of text within gaming platforms. It uses natural language processing (NLP) techniques to evaluate user-generated content in real-time, identifying potential negativity or toxicity.

WHY ParryAPI

ParryAPI is envisioned as a free-to-use sentiment analysis tool, created with the aim of safeguarding gaming communities. The core mission of ParryAPI is to make natural language processing technology accessible to all corners of the gaming world, regardless of budget constraints or team size.



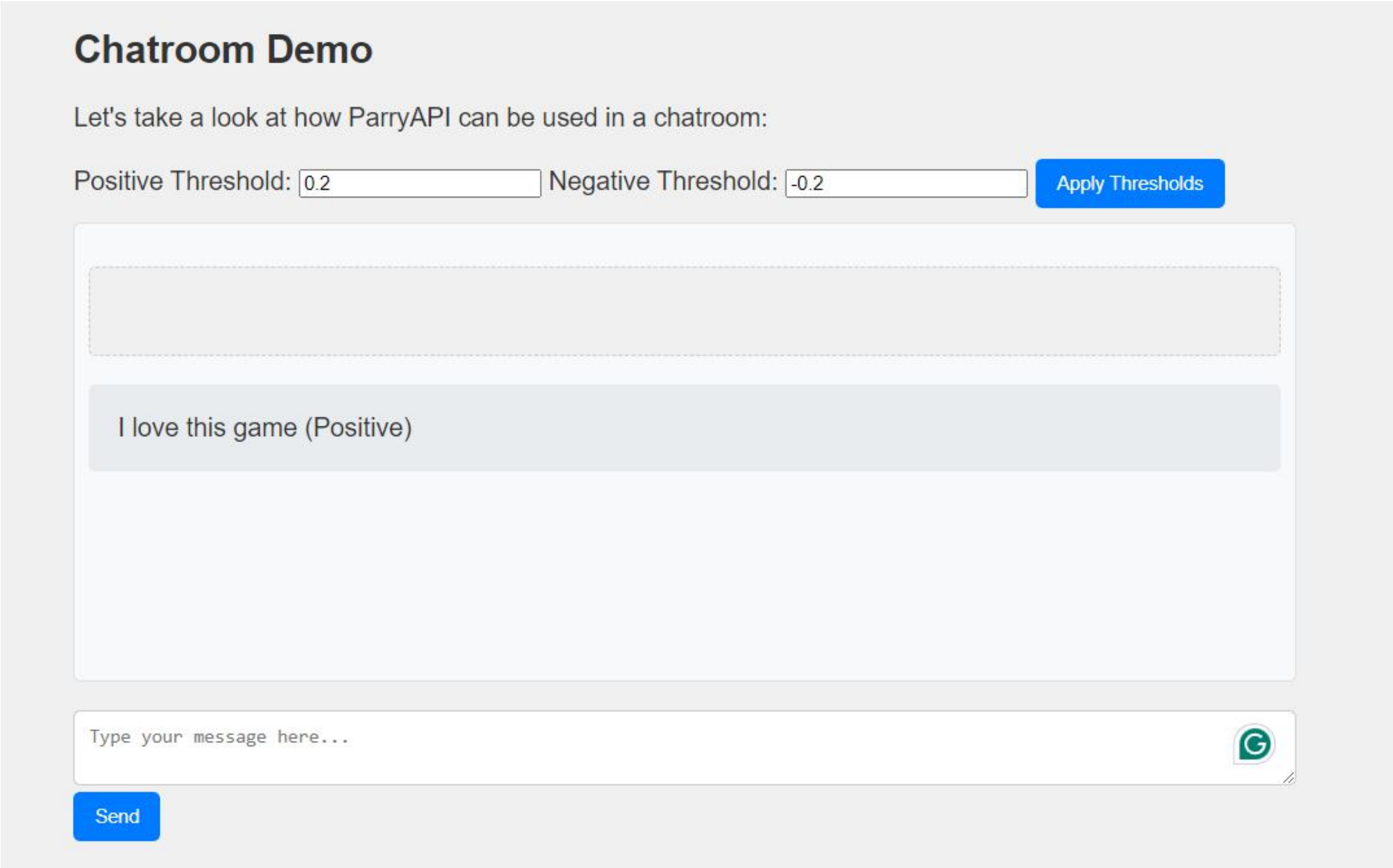
Simple Sentiment Analysis Demo

Enter a sentence to analyze its sentiment:

```
I hate this game
```

Analysis result: {"compound":-0.5719,"neg":0.552,"neu":0.448,"pos":0}

This demo allows a user to test how certain phrases are scored. Being able to test the scores of phrases allows one to get a better understanding on how ParryAPI will score them.



Chatroom Demo

Let's take a look at how ParryAPI can be used in a chatroom:

Positive Threshold: 0.2 Negative Threshold: -0.2

I love this game (Positive)

Type your message here...

This demo is an example implementation of ParryAPI. Messages flagged as negative will be censored until you click on them. The thresholds are also adjustable

STRUGGLES

One of my initial goals was to allow the Parry sentiment model to be open source. However, due to the contents of the additional dataset Parry works off of there are concerns about having a list of said content published online.

Dylan Lim