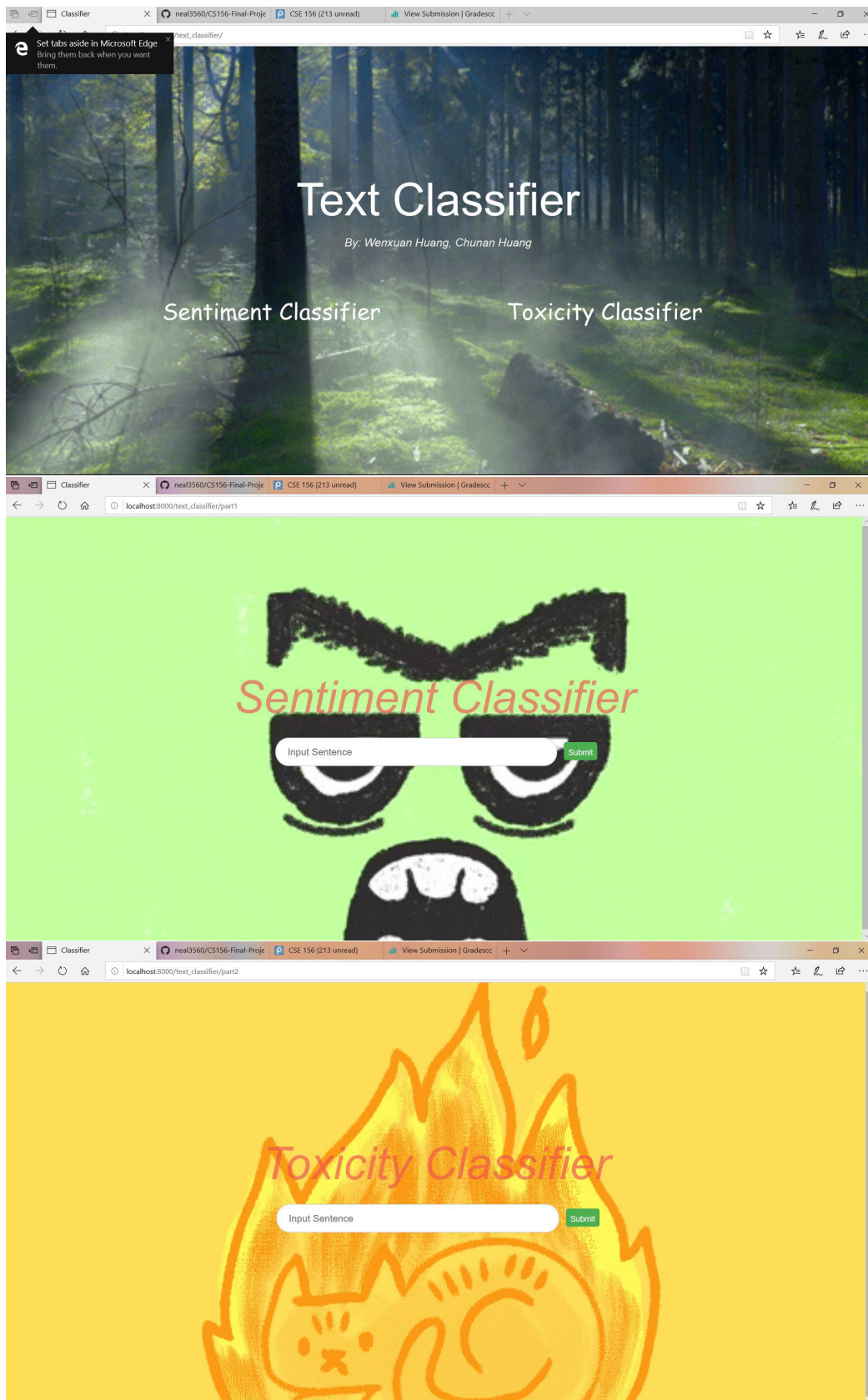


The main page for our classifier, one can choose which text classifier to use. The second one is used to determine whether a review or sentence is toxic (containing aggressive, insulting words or profanity). Type the sentence you want to test in the console to see the analysis.



Our system will automatically generate prediction result and analysis for you(including diagrams) Yellow high lighted words are critical words and you can click them to see an example sentence containing it. Below are two examples for our first classifier. The first one is a correct one, and the second one is a over-confident one. The second one makes the wrong prediction because it cannot judge the sentiment lying under the whole sentence but only counts the number of positive and negative words.



Everything is same for the second part and we included both negative and positive examples for the second part below. For both part you can click one of the images to see a larger and clearer version.

Classifier

neal3560/CS156-Final-Proj

CSE 156 (213 unread)

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localhost:8000/text\_classifier/part1

Label predicted: Negative

Prediction confidence: 95.46%

Original test sentence:

*Delicious appetizer. We arrived at 12 and had to wait 15 minutes to get to our food. Good!*

Processed test sentence:

*Delicious appetizer. We arrived at 12 and had to wait 15 minutes to get to our food. Good!*

Word Example:

Choose a colored word in the processed sentence to see the word's example.

BACK

BACK TO MAIN

Terms	Weights
12	0.1
delicious	1.4
we	0.1
arrived	0.2
wait	-0.2
had	-0.1
minutes	-0.1
15	-0.1
at	0.1
get	-0.1
to	0.1
food	-0.1
percent	-0.1
expensive	-0.1
in	0.1
to	0.1
and	0.1
but	0.1

Classifier

neal3560/CS156-Final-Proj

CSE 156 (213 unread)

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localhost:8000/text\_classifier/part2

Label predicted: Non-toxic

Prediction confidence: 86.99%

Original test sentence:

*I dont like the service here and they are rude to customers*

Processed test sentence:

*I dont like the service here and they are rude to customers*

Word Example:

Choose a colored word in the processed sentence to see the word's example.

BACK

BACK TO MAIN

Terms	tfidf
dont	3.5
like	0.5
the	0.5
service	7.5
here	1.5
and	0.5
they	4.5
are	0.5
rude	1.5
to	0.5
customers	1.5

Terms	Sentiments
dont	0.1
like	0.1
the	0.1
service	0.4
here	0.1
and	0.1
they	0.1
are	0.1
rude	-0.1
to	0.1
customers	0.1

Terms	Weights
dont	0.1
like	0.1
the	0.1
service	1.4
here	0.1
and	0.1
they	0.1
are	0.1
rude	-0.1
to	0.1
customers	0.1

Classifier

neal3560/CS156-Final-Proj

CSE 156 (213 unread)

View Submission | Gradescc

localhost:8000/text\_classifier/part2

Label predicted: Toxic

Prediction confidence: 94.82%

Original test sentence:

*damn i really dont understand what the hell they are doing here*

Processed test sentence:

*damn i really dont understand what the hell they are doing here*

Word Example:

Stupid peace of shit stop deleting my stuff asshole go die and fall in a hole go to hell!

BACK

BACK TO MAIN

Terms	tfidf
damn	3.5
i	0.5
really	4.5
dont	4.5
understand	4.5
what	0.5
the	0.5
hell	5.5
they	0.5
are	0.5
doing	0.5
here	0.5

Terms	Sentiments
damn	0.1
i	0.1
really	0.1
dont	0.1
understand	0.1
what	0.1
the	0.1
hell	0.9
they	0.1
are	0.1
doing	0.1
here	0.1

Terms	Weights
damn	0.1
i	0.1
really	0.1
dont	0.1
understand	0.1
what	0.1
the	0.1
hell	4.5
they	0.1
are	0.1
doing	0.1
here	0.1