The corner case has been considered

Will it scale to larger texts?   YES

The program reads from a text file line by line and compares the input value with current reading line. If there is match, printing related information.

Another approach is to utilize SQL Alchemy and it will be much less code than the version I provided, but the disadvantage is more space consumption science this method has to insert the content into a database

There is only one Get method in API and default successful status code is 200. If there is no match, return value does not contain occurrence information with code 200.

Example:

{

"query\_text": "We cannot be satisfied ---",

"number\_of\_occurrences": 0,

"occurrences": []

}

There is some built in error handlers in Flask-restful.

Example:

{

"message": "The method is not allowed for the requested URL."

}

Deploy it to Heroku:

The tutorial shows how to do it step by step

https://www.youtube.com/watch?v=L9uD74nHvFY&feature=youtu.be