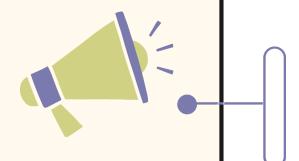


# MINOR PROJECT BLUEPRINT



By Anushka, Aviroop, Meghna, Swati

# CONTENTS

#### **INTRODUCTION**

Intro to the project.

### **LANDING PAGE**

Overview of the landing page

#### **FEATURES**

Overview of every feature of the website.

#### CONCLUSION

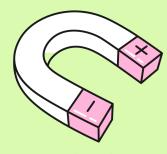
Concluding with details about team members

# INTRODUCING...

# TEXT-O-MANIA

An all-in-one website for text analysis and processing.

It has features like text summarisation, text generation, sentiment analysis of given text and a dictionary to quickly find the meaning of any given word.





SENTIMENT ANALYSIS

TEXT GENERATION

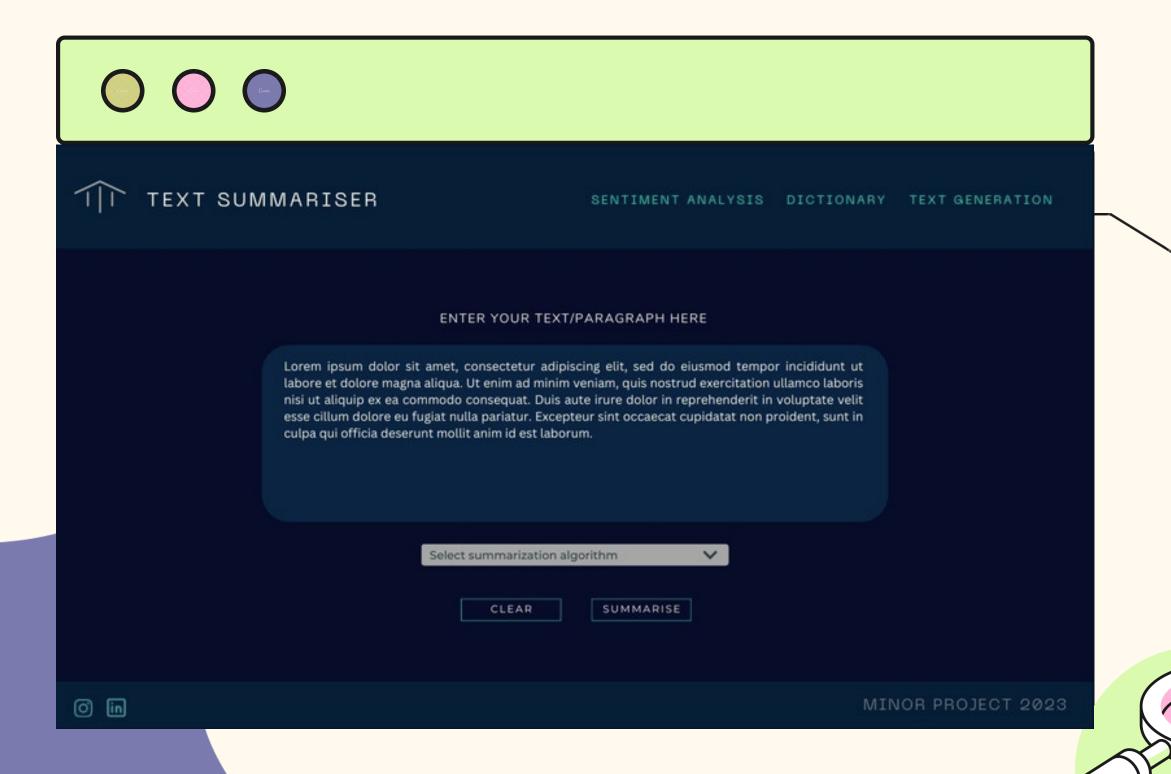
TEXT SUMMARISER

DICTIONARY

## LANDING PAGE

A simple home page depicting each of the features of our site.

To be built using HTML, CSS and Javascript.



### TEXT SUMMARISER

Enter the given text and choose the summarising algorithm, and view the summarised text.

To be built using python, spacy, NLTK, sumy, and Flask.





#### TEXT SUMMARISER

SENTIMENT ANALYSIS DICTIONARY TEXT GENERATION

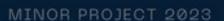
#### INPUT TEXT

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

#### SUMMARISED TEXT

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

← Summarise another text



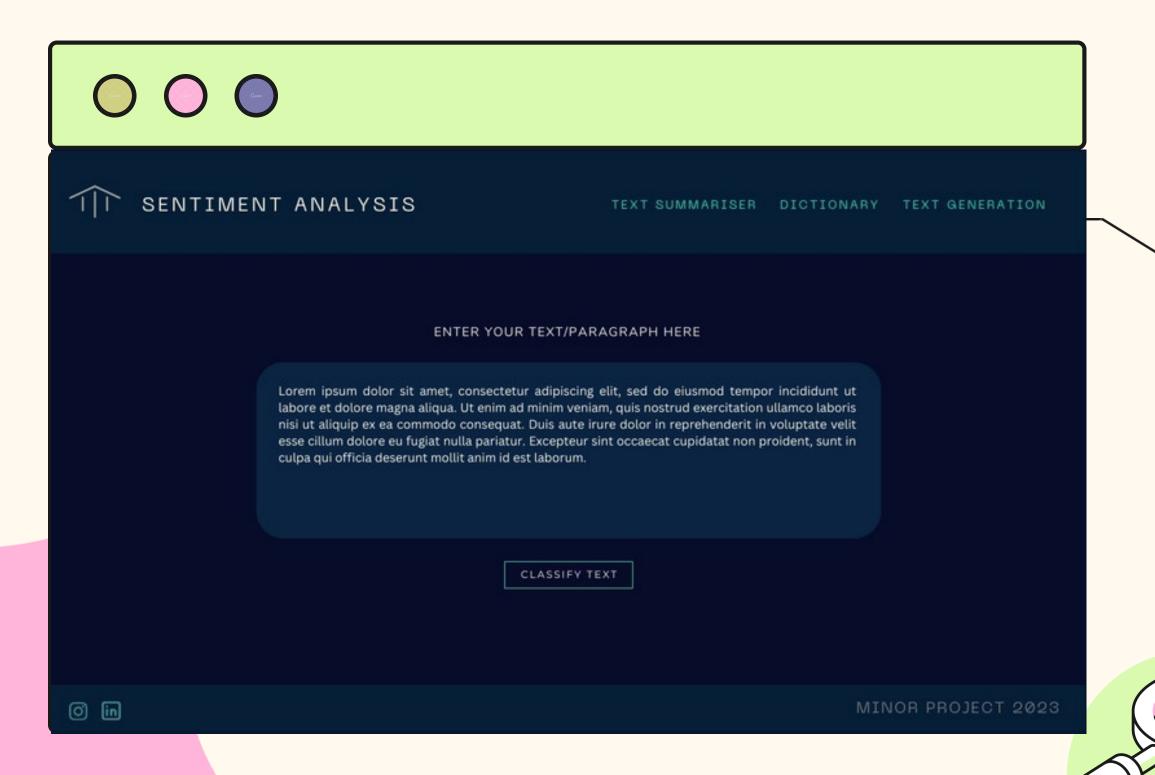
#### **TEXT SUMMARISER**

On this page, the summarised text is shown along with the original text.

To be built using python, spacy, NLTK, sumy, and Flask.







#### SENTIMENT ANALYSIS

On this page, the user is required to entire a piece of text which then classified as positive, negative and neutral.

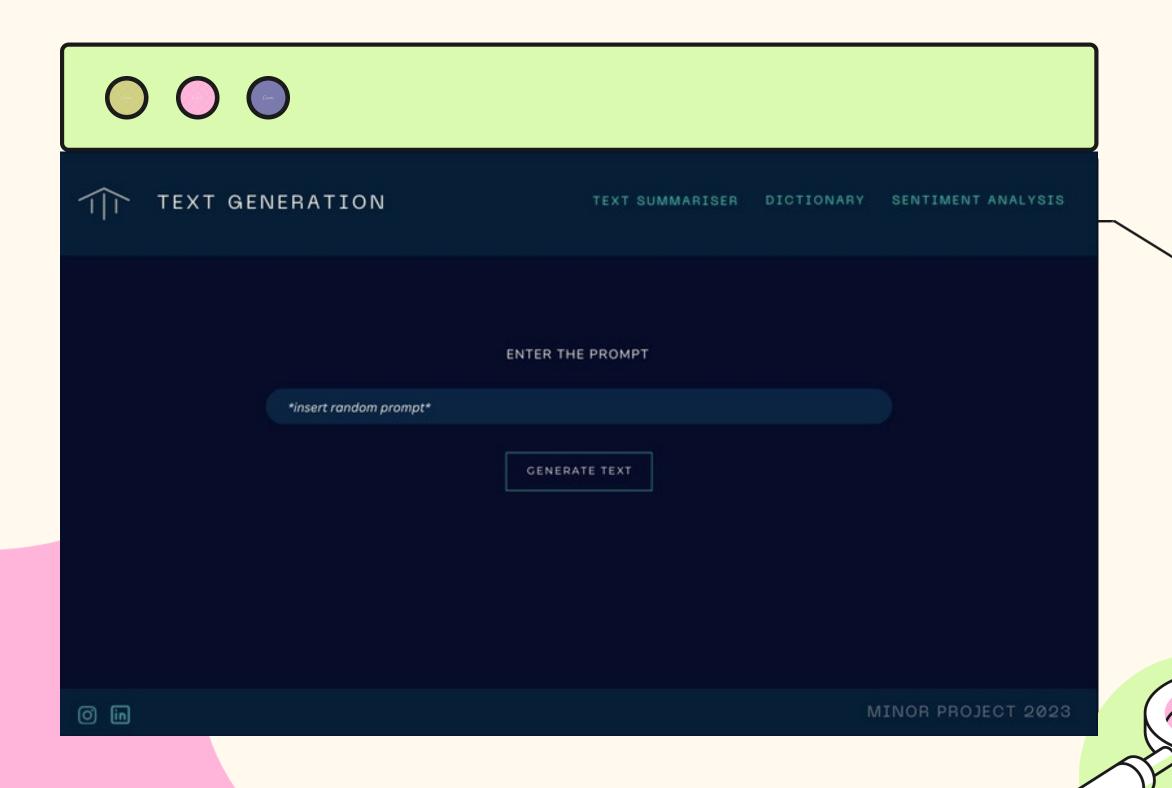
To be built using Pandas, numPy, NLTK, and Flask.

## 000 SENTIMENT ANALYSIS TEXT SUMMARISER DICTIONARY TEXT GENERATION INPUT TEXT RESULTS Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut 33.33% Positive enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. 33.33% Neutral 33.33% Negative ← Classify another text MINOR PROJECT 2023 (in)

## **SENTIMENT ANALYSIS**

This page displays the sentiment of the entered text, and shows the data in the form of a pi-chart

To be built using Pandas, numPy, NLTK, and Flask.



## TEXT GENERATION

This page requires the user to enter a prompt for which the user wants a piece of text or information.

To be built using Panel, GPT-2 Transformer pretrained model and python.





TEXT SUMMARISER DICTIONARY SENTIMENT ANALYSIS

#### NAME OF PROMPT

(in)

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

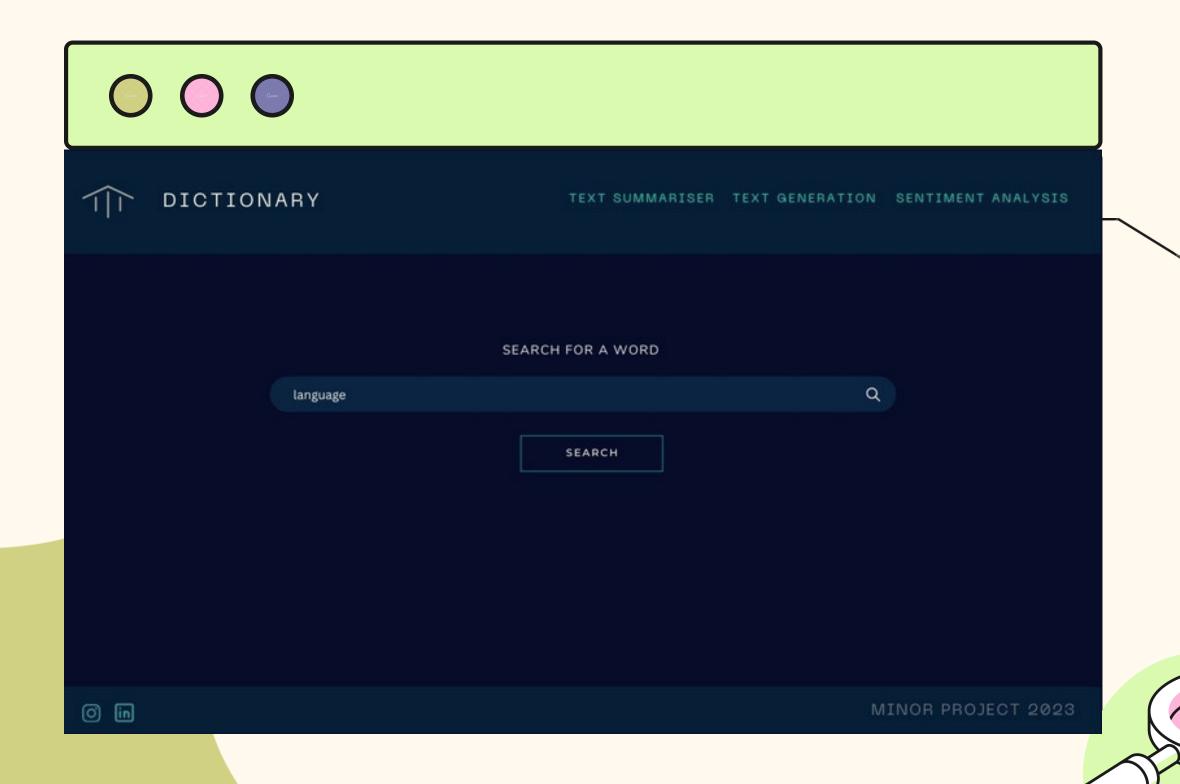
Enter another prompt

MINOR PROJECT 2023

### **TEXT GENERATION**

This page shows the text generated using the given prompt and gives the user the option to generate more texts by going back.

To be built using Panel, GPT-2 Transformer pretrained model and python.



## **DICTIONARY**

This page gives the user to search for the meaning of any word using the dictionary.

To be built using Oxford Dictionary's API, using it's endpoint to make API calls.





TEXT SUMMARISER TEXT GENERATION SENTIMENT ANALYSIS

#### language

1 a body of words and the systems for their use common to a people who are of the same community or nation, the same geographical area, or the same cultural tradition: the two languages of Belgium; a Bantu language; the French language; the Yiddish language.

#### **DICTIONARY**

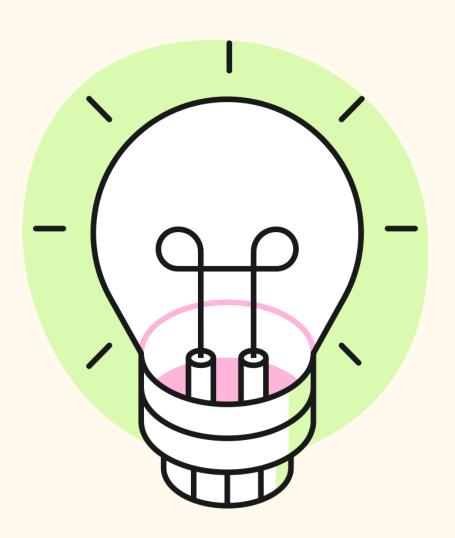
This page gives the meaning of the entered word and the type of the word.

To be built using Oxford Dictionary's API, using it's endpoint to make API calls.





MINOR PROJECT 2023





## CONCLUSION

This is an early blueprint of our project and some things can change based on the implementation of the proposed layouts.

Prototype for the text summarizer is available already, built by Aviroop.



**TEXT-O-MANIA** 

# THANK YOU

## Team Members:

- 1. Anushka Dash-20051132
- 2. Aviroop Paul- 20051136
- 3. Meghna- 20051153
- 4. Swati- 20051181