

API Documentation for Text Summarization Service

Overview

This API allows users to summarize text, web pages, or YouTube video content. Users can specify the type of content, desired tone, style, and length for the summary.

Base URL

The base URL for the API is the endpoint where the API is hosted. For local testing, it's <http://127.0.0.1:5000/api/summarize>

Authentication

This version of the API does not require authentication at the moment.

Endpoints

POST /api/summarize

Summarizes the provided content based on the specified parameters.

Request Body

- **text**: The text to summarize or the URL of the webpage/YouTube video. (Required)
- **type**: The type of content - 0 for Text, 1 for Website URL, 2 for YouTube URL. (Required)
- **tone**: The desired tone of the summary - options are "Standard", "Formal", "Casual", "Sarcastic", "Aggressive", "Sympathetic". (Required)
- **style**: The desired style of the summary - options are "Paragraph", "Bullet Points", "Numbered List". (Required)
- **length**: The desired length of the summary - options are 1 (short), 2 (medium), 3 (long). (Required)
- **option**: Additional options for YouTube URLs - "Full Video", "Timestamp". (Required for YouTube URLs)

Response

- **summary**: The summarized content.
- **error**: Error message, if applicable.

Example Request

```
python
import requests

url = 'http://127.0.0.1:5000/api/summarize'
data = {
    'text': 'Your text or URL here',
    'type': 0,
    'tone': 'Standard',
    'style': 'Paragraph',
    'length': 1,
}
response = requests.post(url, json=data)
print(response.json())
```

Example Response

```
json
{
    "summary": "Your summarized text will appear here."
}
```

Error Handling

- If the required fields are not provided or are invalid, the API will return an error message.
- If the **type** is not 0, 1, or 2, the API will return an error message.
- If there's an internal error during the summarization process, the API will return an error message.