API Documentation

Installing the API:

For the time being to use the API:

1. Download the API files:
   git clone https://github.com/omkmorendha/chatbot/tree/api
2. Install the requirements:
   pip install -r requirements.txt
3. Make an .env file and add OPENAI_API_KEY
4. Run the file by using
   python main.py

Base URL:

http://127.0.0.1:5000

Authorisation Headers:

Authorisation : API_KEY

Authorisation is done via checking if the SHA-256 hash of the API_KEY exists in the api_keys.txt file, currently we can use “abcd”, “efgh”, “ijkl” as the API key.

API Functions:

1. **query_route:**
   Takes a query as an input and gives a response to the query using the custom-trained chat-bot

   Endpoint:

   ```
   /upload-webhook
   ```

   API Call Method: POST

   Parameters:

   ```
   {

      "query_input" : "Insert the query here" (required)

   }
   ```

   Output:

```
{

   "query_response" : "Response to the query"

}
```

2. **upload_webhook_route:**

   Takes a URL as an input and uploads its information to the data_webhooks folder as “file_name”, if the filename parameter is not found then it is automatically extracted from the URL.

   Endpoint:

   ```
   /upload-webhook
   ```

   API Call Method: POST

   Parameters:

   ```
   {

      "url" : "Insert the url here" (required)

      "file_name" : "Insert the file name to be saved as here" (optional)

   }
   ```

   Output:

   ```
   {

      "message" : "Upload successful"

   }
   ```

3. **upload_text_route:**

   Takes text as an input and uploads its information to the data folder as “file_name”, if the filename parameter is not found then it is appended to the “uploaded_text.txt” file.

   Endpoint:

   ```
   /upload-text
   ```

API Call Method: POST

Parameters:

```
        {

           "text" : "Insert the text here" (required)

           "file_name" : "Insert the file name to be saved as here" (optional)

        }
```

Output:

```
        {

           "message" : "Text uploaded successfully"

        }
```

4. **upload_direct_route:**

   Accepts a list of files as an input and uploads it to the data/ folder

   Endpoint:

```
/upload-webhook
```

API Call Method: POST

Parameters:

```
        files (required): List of files directly uploaded
```

Output:

```
        {

           "message" : "Files uploaded successfully"

        }
```

5. **show_upload_files:**
   Shows all the files uploaded in the /data folder

   Endpoint:

```
/show-upload-files
```

API Call Method: GET
Output:

```
{

   "message" : "Files in the directory data/: ",

   "files" : [list of file names]

}
```

6. **show_webhook_files:**
   Shows all the files uploaded in the /data_webhooks folder

   Endpoint:
   ```
   /show-upload-files
   ```

   API Call Method: GET
   Output:

   ```
   {

      "message" : "Files in the directory data_webhooks/: ",

      "files" : [list of file names]

   }
   ```

7. **delete_upload_file_route:**
   Deletes an uploaded file using the saved file's name in the data folder

   Endpoint:
   ```
   /delete-upload-file
   ```

   API Call Method: POST
   Output:

   Parameters:
   ```
   {

      "file_name" : "Insert the filename to be deleted" (required)

   }
   ```

   Output:

```
{
    "message" : "File deleted successfully"
}
```

8. **delete_webhook_route:**
   Deletes an uploaded file using the saved file's name in the data_webhooks folder

   Endpoint:

   ```
   /delete-webhook
   ```

   API Call Method: POST
   Output:

   Parameters:

   ```
   {
       "file_name" : "Insert the filename to be deleted" (required)
   }
   ```

   Output:

   ```
   {
       "message" : "Webhook file deleted successfully"
   }
   ```

9. **delete_all_upload_files_route:**
   Deletes all the saved files in the data folder

   Endpoint:

   ```
   /delete_all_upload_files
   ```

   API Call Method: GET
   Output:

   Output:

   ```
   {
       "message" : "File deleted successfully"
   }
   ```

10. **delete_all_webhooks_route:**
    Deletes all the saved files in the data_webhooks folder

    Endpoint:

```
/delete_all_webhooks
```

    API Call Method: GET
    Output:

    Output:

```
        {

           "message" : "All webhook files deleted successfully"

        }
```

Status Code:
200/201 : success
400 : Bad Request
401: Authorisation Failed