System Documentation: Email Response Generator

Email Response Generator using OpenAI API

Overview

This Python script interacts with OpenAI's API to generate professional and personalized email responses based on

client-provided details. It automates the process of drafting context-aware emails tailored to individual clients.

Features

- **Personalized Email Generation**: Generates emails using client-specific information.

- **Retry Mechanism**: Automatically retries the API call up to 3 times in case of failures.

- **Dynamic Input Handling**: Prompts users for all necessary client details.

- **Error Feedback**: Option to provide feedback on mistakes for further improvements.

Requirements

- Python 3.6 or higher

- Required Python libraries:

  - `requests`

  - `json`

  - `time`

- OpenAI API key (replace placeholder with your actual key in the script).

Installation

1. Clone this repository:

```
git clone <repository-url>
```

2. Navigate to the project directory:

```
cd <project-directory>
```

3. Install required dependencies:

```
pip install requests
```

Usage

1. Replace the placeholder `OPENAI_API_KEY` in the script with your actual OpenAI API key.

2. Run the script:

```
python script.py
```

3. Enter the prompted client details.

4. Review the generated email response.

Example Input

Sample inputs required by the script:

Client First Name: John

Client Last Name: Doe

Client Email: john.doe@example.com

Client Country: USA

Client Location (if provided): New York

Client Language: English

Project Type: Website Development

Service Category: IT Services

Client Website (if any): www.johndoe.com

Additional Information (if any): Needs a mobile-friendly design.

Output

The script will generate a professional email response similar to the following:

Dear John Doe,

Thank you for reaching out regarding your Website Development project under IT Services. Based on the information

provided, we understand the importance of creating a mobile-friendly design that meets your requirements.

We look forward to discussing your needs further to ensure we deliver a solution tailored to your expectations...

[Continued]

Feedback

The script provides an option to input feedback for improving generated responses.

Limitations

- Ensure the API key has adequate permissions and credits for the OpenAI API usage.

- Input validations are basic; handle incorrect inputs manually.

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