

Task 1: Overview

This task involves integrating OpenAI API calls into `askquestion.py` to generate one challenging question on topic chosen in dropdown and submit the question and generate the feedback.

Task List

1. Understand the Boilerplate Code:

- Review the existing `askquestion.py` structure and understand the placeholders.

2. Setup OpenAI API Integration:

- Replace the placeholder code in `/ask-question` end point with the provided OpenAI API call logic.
- Replace the placeholder code in `/question-feedback` with the provided OpenAI API call logic.

3. Integrate API Details:

- Use the specified model (`gpt-4o-2024-05-13`) and configuration (temperature: 0.2) initially and play around with various temperatures.

4. Define System and User Roles:

- Implement the system role to set the context as a technical interview expert.
- Implement the user role to feed the topic or prompt for question generation and feedback.

5. Debug and Optimize:

- Ensure proper handling of errors (e.g., invalid inputs, API issues).
- Optimize for response accuracy and performance.

Task Solution

Update boilerplate `askquestion.py` code with two endpoints:

Challenge 1: (`/ask-question`)

- Write the appropriate prompt to generate interview question for the selected topic
 - Generate only one question
 - Ensure that question is prefixed with "Question:" eg: "Question: What is .NET"
 - Ensure that the returned question doesn't have answer included.
- Call OpenAI API to execute the prompt.

Challenge 2: (`/question-feedback`)

- Generate the prompt to submit both question and answer and also get feedback along with rating between 1 and 10
- Call OpenAI API to get the response.