

## Task 2- Overview

This task involves integrating OpenAI API calls into `descriptive.py` to generate 3 challenging questions on topic chosen in dropdown and submit the questions and generate the feedback for all questions.

### Task List

1. **Understand the Boilerplate Code:** Review the pre-existing structure and endpoints.
  - Understand the JSON response flow.
2. **Implement Prompt Formatting:** Write logic to create effective prompts for OpenAI API calls.
3. **Integrate OpenAI API:** Add OpenAI API integration for generating and evaluating responses.
4. **Test and Validate:** Ensure endpoints function correctly and validate all JSON responses.

### Task Description

Update boilerplate `descriptive.py`:

#### Challenge 1: (/generate-questions)

Write a prompt to be generate following o/p

1. Question Properties "Id", "Question" and "ExpectedAnswer"
2. Json o/p
3. Answer in 2 or 3 sentences.

```
[
  {
    "Id": 1,
    "Question": ____,
    "ExpectedAnswer": ____
  }
]
```

- a) Call OpenAI API to execute the prompt. Choose an appropriate System Message. Temperature=0.2
- b) Debug and find the response text and remove all the special characters (if any) to ensure that has only JSON object.

#### Challenge 2 (/submitdescriptivequestions)

- a) Write a prompt instructing to evaluate all the questions in variable `user_message`
  - You will need to debug and find the format of data in `user_message` variable.
  - Get feedback for each question.
  - Overall rating should be between 1 and 10
- b) Call OpenAI API to get response

### Tips for Success

- Always test your prompts using simple examples.

- Use tools like Postman to test your API endpoints.