Interfacing with Pre trained Model

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| Date | 07th July 2024 |
| Project Title | AI Feedback Generator For Development Teams Using Palm's Text-Bison-001 |

**Create a Function to generate Feed back**

The AI Feedback Generator is a powerful tool designed to assist development teams in improving their code quality and adhering to best practices. By utilizing the advanced natural language processing capabilities of Palm's Text-Bison-001, this function analyzes code snippets and provides detailed, constructive feedback. This process enhances the efficiency of code reviews, aids in developer training, and ensures consistent code quality across projects.

CODE:

def generate\_feedback(project\_description, project\_scenarios, project\_code):

    # Create a prompt for the generative AI model

    prompt = "Project Description:\n\n{project\_description}\n\nProject Scenarios:\n\n{project\_scenarios}\n\nProject Code:\n\n{project\_code}\n\nProvide detailed feedback on the project description, scenarios, and code."

    # Call the generative AI model

    response = palm.generate\_text(model=model\_name, prompt=prompt)

    return response.result

DESCRIPTION:

The generate\_feedback function is designed to create a detailed feedback mechanism for a project by leveraging a generative AI model. Here's an elaboration on the function's components and workflow:

1. Function Inputs:

- project\_description: A string containing the description of the project.

- project\_scenarios: A string detailing various scenarios related to the project.

- project\_code: A string with the project's code.

2. Prompt Construction:

- The function constructs a prompt string that integrates the provided project\_description, project\_scenarios, and project\_code into a formatted structure. This prompt serves as the input for the generative AI model.

- The prompt includes labeled sections ("Project Description", "Project Scenarios", and "Project Code") for clarity and structure, followed by a request for detailed feedback.

3. AI Model Invocation:

- The function calls the generative AI model using palm.generate\_text, passing the constructed prompt as an argument. The model\_name variable presumably specifies which model to use.

4. Feedback Generation:

- The AI model processes the prompt and generates text-based feedback, which includes insights, evaluations, and suggestions based on the project's description, scenarios, and code.

5. Output:

- The generated feedback from the AI model is extracted from the response and returned as the function's output.

This function automates the process of obtaining comprehensive feedback on various aspects of a project by utilizing an AI model's capabilities to analyze and generate informative responses based on the given inputs.