Model Development Phase Template

Date	11 July 2024
Team ID	SWTID1720188483
Project Title	Nutrition App Using Gemini Pro : Your Comprehensive Guide to Healthy Eating and Well-being
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
API Configuration	Establishes a connection with Google's Generative AI (GenAI) API using an API key stored securely in an environment variable.	Yes	This is essential for interacting with the Gemini Pro and Gemini Pro Vision models.
User Interface (UI)	Provides a user-friendly interface built with Streamlit. This includes options for selecting meal preferences and entering a text prompt or	Yes	Streamlit offers a simplified approach to creating web UIs for data science applications.

	uploading an image for general queries.		
Meal Preference Functionality	Allows users to specify meal type, intake type, cuisine, goal, and duration to generate personalized meal plans using the Gemini Pro model.	Yes/No (Optional)	This depends on your app's focus. If you want to prioritize meal plan generation, then Yes. If the focus is on general queries, then No.
General Query Functionality	Enables users to submit text prompts or upload images for analysis by the Gemini Pro or Gemini Pro Vision models.	Yes	This provides a versatile approach for users to interact with the app..

Text-based Query Processing	Handles user-entered text prompts and interacts with the text-based Gemini Pro model to generate responses.	Yes	This is required for processing any text-based input from users.
Image-based Query Processing	Reads uploaded images, preprocesses them (resizing), and interacts	Yes/No(optional)	This depends on whether you want to allow image-based analysis. If included, ensure proper image handling and error messages..

	with the Gemini Pro Vision model to generate image-based responses.		
Response Display	Presents the generated responses from the Gemini Pro or Gemini Pro Vision models to the user within the Streamlit app.	Yes	This is crucial for conveying the results of the user's queries.