

## Model Development Phase Template

Date	16 July 2024
Team ID	SWTID1720159923
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
Environment Variables	Loading environment variables from .env file using dotenv.	Yes	Essential for securely managing API keys and configuration settings.
Streamlit Configuration	Setting page title with <code>st.set_page_config</code> .	Yes	Important for customizing the app interface and improving user experience.
Background Image	Adding a background image using base64 encoding and custom CSS	Yes	Enhances visual appeal and user engagement.

Custom CSS Styling	Applying custom CSS for text areas, file uploaders, and buttons	Yes	Improves the user interface's aesthetics and usability.
Image Upload and Display	Allowing users to upload an image and displaying it.	Yes	Core functionality for analyzing meal images, crucial for the app's purpose.
Text Area for Input Prompt	Providing a text area for users to input a prompt.	Yes	Essential for collecting user input to guide the AI analysis.
Button to Trigger Analysis	Button labeled "Tell me about my meal" to start the analysis.	Yes	Necessary for user interaction to initiate the image analysis process.
Google Generative AI Integration	Configuring and using Google Generative AI for content generation.	Yes	Central to the app's functionality, enabling the generation of nutritional information.
Error Handling	Handling cases with no image upload and other errors, displaying appropriate messages.	Yes	Improves app robustness and user experience by providing clear feedback on errors.
Loading Spinner	Displaying a loading spinner during image analysis and response generation.	Yes	Enhances user experience by indicating ongoing processes and preventing confusion.