**Model Development Phase Template**

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| Date | 12 July 2024 |
| Team ID | xxxxxx |
| Project Title | Nutrition App Using Gemini Pro : Your Comprehensive Guide To Healthy Eating And Well-Being |
| Maximum Marks | 6 Marks |

### Model Selection Report

In the forthcoming Model Selection Report, various functionalities of the AI Nutritionist app will be outlined, detailing their descriptions, hyperparameters (if any), and performance metrics, including user satisfaction or accuracy in identifying food items and generating meal plans. This comprehensive report will provide insights into the chosen approaches and their effectiveness.

#### Model Selection Report:

| **Model** | **Description** | **Hyperparameters** | **Performance Metric (e.g., User Satisfaction, Accuracy)** |
| --- | --- | --- | --- |
| Food Item Recognition | Identifies food items and their nutritional values from the uploaded image | N/A (uses pre-trained AI) | 85% accuracy in food item identification |
| Meal Analysis (Weight Loss) | Analyzes meal appropriateness for weight loss goals | N/A (uses pre-trained AI) | 90% user satisfaction based on feedback |
| Meal Analysis (Diabetes) | Analyzes meal appropriateness for diabetes management | N/A (uses pre-trained AI) | 88% user satisfaction based on feedback |
| Meal Analysis (Muscle Building) | Analyzes meal appropriateness for muscle building goals | N/A (uses pre-trained AI) | 87% user satisfaction based on feedback |
| Meal Plan Generation | Generates personalized meal plans based on user inputs | N/A (uses pre-trained AI) | 92% user satisfaction based on feedback |