Project development Phase

Date	5 NOVEMBER 2023
Team ID	NM2023TMID02112
Project Name	Food tracking system
Maximum Marks	2 Marks

NO OF FUNCTIONAL FEATURES INCLUDED IN THE SOLUTION:

The number of functional features in a food tracking system can vary based on its complexity, target audience, and intended use. Here are some common functional features typically found in food tracking applications:

1. **Food Logging:** Users can log their meals, including details such as name, quantity, time, and nutritional information.
2. **Nutritional Database:** A comprehensive database containing food items, their nutritional values, calories, macronutrients, and micronutrients.
3. **Barcode Scanner:** A feature allowing users to scan barcodes on food packages for quick entry of nutritional data.
4. **Meal Recommendations:** Providing suggestions for balanced meals or dietary plans based on user preferences or health goals.
5. **Calorie and Nutrient Tracking:** Monitoring daily intake of calories, proteins, fats, carbohydrates, vitamins, and minerals.
6. **Water Intake Tracking:** Monitoring and reminding users to drink water throughout the day.
7. **Allergen and Dietary Restrictions:** Allowing users to set dietary preferences, allergies, or restrictions to personalize their experience.
8. **Exercise and Activity Tracking:** Integration with fitness trackers or manual entry for exercise routines to balance caloric intake and output.
9. **Weight Tracking:** Recording and tracking weight changes over time.
10. **Progress Analysis:** Charts, graphs, or summaries showing users their progress towards their health goals.
11. **Recipe Suggestions and Meal Planning:** Offering recipes or helping users plan their meals based on their nutritional needs.
12. **Social Sharing and Community Support:** Allowing users to share their progress, meals, or achievements with a community for support and motivation.
13. **Multi-Platform Synchronization:** Compatibility and synchronization across multiple devices (mobile, web, etc.) for seamless user experience.
14. **Notifications and Reminders:** Reminders for meal logging, water intake, or goal achievements.

15. **Integration with Health Devices:** Integration with devices like smart scales or health monitoring tools for a comprehensive health overview.
16. **AI-Powered Insights:** Using artificial intelligence to provide personalized recommendations based on user data and behavior.
17. **Offline Access:** Ability to log meals and view data without an internet connection.
18. **Customization:** Allowing users to customize their experience, such as creating custom food entries, meal plans, or setting individualized goals.

These features can be adjusted, combined, or expanded based on the specific objectives of the food tracking system and the needs of its users. The number of features included in a solution can vary based on the application's scope and intended user experience.

Foodlog System (*http://www.foodlog.jp*)