

# **FOOD MANAGEMENT SYSTEM**

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## **1. INTRODUCTION:**

- Our project aims to develop a Food Management System to smooth food-related processes and enhance efficiency in managing food resources.

## **2. PROBLEM STATEMENT:**

- The current manual methods of managing food inventory and distribution are inefficient and prone to errors.
- There is a lack of centralized systems leading to difficulties in tracking and managing food resources effectively.

## **3. OBJECTIVES:**

- Develop a centralized database system to manage food inventory and distribution.
- Implement features for real-time tracking of food resources.
- Enhance efficiency in food management processes.
- Improve accuracy in inventory tracking and forecasting.

## **4. SCOPE:**

- The project includes the development of a database system for managing food inventory and distribution processes. It excludes aspects unrelated to food management, such as financial management.

## **5. DATA COLLECTION:**

- Data will be collected from various sources including food suppliers, distribution centers, and internal records. Information on food items, quantities, suppliers, and distribution will be gathered.

## **6. TECHNOLOGY STACK:**

- Database Management System (DBMS): MySQL
- Additional Tools/Languages: C++/Python for back-end development, HTML/CSS for front-end

## **7. SYSTEM FUNCTIONALITY:**

- Inventory Management: Track food items, quantities, expiration dates, and storage locations.
- Distribution: Efficiently allocate and track food distribution to various locations or beneficiaries.
- Reporting: Generate reports on inventory levels, procurement activities, and distribution metrics.

## **8. TASK DIVISION:**

**Tasks will be assigned based on team members' expertise:**

- Database design and implementation: Danish Abdullah Khan.
- Back-end development: Zunaira Akbar and Abubakar.
- Front-end development: Abubakar.
- Testing and Quality Assurance: Zunaira Akbar and Mam Asiya.

## **9. CONCLUSION:**

- The Food Management System will revolutionize food management processes by providing a centralized platform for efficient inventory tracking, procurement, and distribution. It will enhance accuracy, streamline operations, and contribute to better resource utilization.

## **10. REFERENCES:**

- No external references used in this proposal.