

Problem Statement:

Warehouse management for food and other goods:

Design a system for warehouses & farmers. **Warehouses** are places where farmers can store their Goods, and send to market when it's needed. System should be able to keep track of goods storage processes, crop storage life, storage capacity of a warehouse, its location and other details. Based on these details the farmer should be able to find his nearby warehouses. Future storage details should be available so farmers can reserve space for his crops in advance. Farmers should be able to decide what kind of vegetable to grow in advance based on goods already stored and future reservations and *crops eviction rates* of nearby warehouses.

Requirements:

1. Administrator

Functional :

- Permission/administrative access for the owner about all the warehouses. (For the owner only).
- Administrative/Permission access for local supervisors for each of the warehouses (For local supervisors only)
- Access details of the farmers who have kept the crops in the warehouse.
- Access details of the staff working at the warehouses.
- Dynamic details of the current storage capacity available in each of the warehouses.
- Details about the amount/rent status of each user.

Non-functional:

- Details of the total quantity and type of crops and kept in the warehouse.
- Details about the Permissible time for each of the crops to farmers
- Details about each of his/her warehouses, its plus points and comparison with other warehouses.(Marketing purpose)

2. Farmer

Functional:

- Our total yield.
- Capacity available in warehouses
- Total amount of time for which we want to keep the crops.
- **Advance Booking** for our crop
- Pest Protection (Crop)

Non-functional:

- Amount which we have to pay
 - Deposit Amount
 - per Month Amount
- Details of each crop :
 - Number of sacks of each crop.
 - Future crop reaping.
 - Crop Storage Life