**Description 1**

A Diary Farm consist of animals which produces milk. Each animal is given a specific food group, they are fed according to the food groups. Food groups basically contains a mixture of ingredients in a specific ratio (weight). The cost of individual ingredient in a food group is calculated by price per unit times weight used, the cost of a food group is calculated by summing the cost of all individual ingredients in the food group. The Forage, supplements and medicine for animals are stored in inventory. Animal’s diseases and illness is cured by using various medicines.

Animal feeding record including price of food group and the treatment record including the medicine cost is stored in expenses with their date and time.

Animal get gravid by using medicine from the inventory. Animal’s food, healthcare is monitored and any extra cost is included in expenses. Every new Animal born is given a tag. Each animal also includes the record of child animal if any.

Finally, milk is sold in the market in regular bases and it’s earning is stored in sales. A daily report is also generated which include total milk sold in litters, total earning, daily expense, and profit.

**Description 2**

A dairy farm sells milk and meat of different animals. Each **animal** has a unique *tag number* and a different *species*, i.e., cow, buffalo or sheep etc. These animals can either be bought or born in farm. Each animal is assigned a specific **food group**, they are fed according to the food groups. Admin will enter record of animal such as *tag number*, *sex*, *kind*, *color*, *born date*, *calving date*, *parent tag number*, *food group* and *no. of treatments*.

The farm buys different types of **forage, supplements, and medicines** which are used for better development of animals. Each of these items have different types, a specific measuring **unit** and **price** which is associated to them. Price is calculated w.r.t unit of item. Food groups basically contains a mixture of **ingredients** (forage + supplements) in a specific unit ratio (weight).

Medicines are used to artificially inseminate for reproduction or to give some type of treatment. If an animal becomes ill then **treatment** is provided to it and this record is stored.

The animal may give birth to new animals whose record is managed by their **reproduction** cycle. Admin will keep the record of each reproduction which contains animal tag, dry date, on heat date, insemination date, delivery date and medicine used.

All the **expense** of bought and used items including miscellaneous charges are stored for profit/loss calculations. The **produced items** milk and meat are sold at different prices whose record is kept by their **sales**. At the end the total expense of the farm is subtracted from the total sales to generate profit report on daily, weekly or monthly bases.