# Object Oriented Programming Term Project

**Proposal and UML**

**Muhammad Awais L1f20BSSE0203**

**Muhammad Awais L1f20BSSE0202**

**Ali Zain L1F20BSSE0337**

**Ali Raza L1f20BSSE0569**



**Faculty of InformationTechnology University of Central Punjab Lahore, Pakistan**

**Dairy Farm Management (APP)**

## PROJECT ABSTRACT

Dairy farm management is an application for android and Iphone users that is very useful for the people who having the dairy farms. This will help the user to know about their animal in a regular way. The user can easily find out the status of their animal.

This App will manage multiple animal at the same time. The user just need to enter the cattle ID and name and the category of the animal to register them. After the registration of all of the animals the app will keep all record of the animal. The app will show the user, daily automatically updated status of the every animal (cow, buffalo).

Dairy farm management app provide their user to calculate the milk of the cow or buffalo on daily bases. The user can also know about how to increase the quantity of milk and health of the animal by the given feed ideas in APP.

## Introduction:

## Dairy farm app keep the track of your animal, of your farm in an easy way. This app doesn’t demand laptop or high technology to work, this app will be available on your simple android mobile that notify you about your animal conditions and you also keep an eye on your animal and all the qualities of your animal. So, there will be no big issue for its setup. It is easy to understand application and easy installation. Every dairy farm and employee can use it and the owner of the dairy farm can also can be updated with his animal status. Moreover if the dairy farm owner wants to sale out the his animal he can tell or show the buyer all detail of the animal through this application

## Objectives of Dairy Farm Management:

Our objective to speed up the process of managing and feeding the animal of your farm.

This thing will help you out with the following problems:

* If your old employee left your farm this app have saved data of your animal that help for new employee
* This app will tell the user what is the best time for insemination according to your animal
* App will help the user which animal is sick, pregnant or milking etc.
* App will keep all the record of the milk and the sale rate of the milk with the total transaction.

## Advantages:

This system provide the perfect management of dairy farm animal. This will tell the user what they need to feed their animal for their development and milk growth. This management keep the owner satisfy with his employee.

* Less effort for employee
* Tension free from animal insemination time
* See all record of animal easily
* Best way to keep record of sale and purchase

# Project Working:

In order to develop an Dairy farm management, you need to implement the following classes:

* 1. Class Animal
  2. Class buffalo
  3. Class cow
  4. Class owner
  5. Class employee

## UML

### 