

Dairy Farm

Vaibhav Arora¹, Mohul², Arvind³, Ms. Aakanksha Mahajan⁴

^{1,2,3}UG Student, Department of Computer Science & Engineering ,

Panipat Institute of Engineering & Technology , Samalkha , Panipat , Haryana , India

⁴Assistant Professor of Computer Science & Engineering,

Panipat Institute of Engineering & Technology , Samalkha , Panipat , Haryana , India

ABSTRACT

In today's world where every aspect of our lives is finding its way over the internet, it becomes a necessity for us to use the internet. The internet has been benefitting millions but certain portions of the society remains unversed with its advantages. Considering today's scenario, buying products by physically moving to places has become a real task for people. To provide an ease to this situation online e-commerce web applications are developed to provide an aid to the people in buying products at the comfort of their homes. On the same lines, the idea of this web application was developed. The basic idea of the whole project is to develop an android application similar to B2B websites and applications for a specific target product, i.e. the dairy products.

This android application is built for a specific target product, which is of immense importance in our day to day lives. Every household requires milk and dairy products and there has not been any significant advancement in this specific area. This application tries to bridge the gap between the milk producers and their processors as they are often not in direct contact with each other and hence suffer due to these reasons. This will save their time and resources which are often wasted in the search for the right manufacturers for them.

The application will benefit the producers, the processors as well as us being the users. The producers will benefit from the application as it will widen their reach and can even make them go global. On the other hand, The consumers can see and compare the rates and prices of the different dairy products from different producers and hence choose the most suitable one for them. The application will also try to incorporate the facility to contact the producers so that the consumers can reach them through either phone or message. A lot of factors will be taken into consideration while searching for products. The application will have two modes for its working: one for the consumers and other for the producers.

I. Introduction

1.1 The Purpose and Significance of The Project

Milk and milk products constitute a huge part of the Indian food industry yet there is no online way by which the manufacturers of all these dairy products can reach out the importers. In today's world where almost everything has found its way through the internet, dairy products being such an important part have not managed to do so. Thus a system is required which provides a communication link between the manufactures and the importers for the benefit of both the communities. Such a system will not only increase their reach

but also provide them ease while selling their products in the market. Also, these two communities are mostly not in direct contact with each other which makes them difficult to find and deal with each other. Dairy plants are often at large distances which lead to high transportation costs. Such a system will help in improving the current scenario by providing a common platform for both the producers as well as the importers.

1.2 Technology and Development Environment

The system uses the JAVA technology to connect to the development of FIREBASE database, the front interface design is to use XML.

II. DEMAND ANALYSIS

2.1 Current Problem Description

After the analysis of preliminary investigation, the researcher has spotted and identified some of the main problem areas of the Web Application & Mobile Application which are briefly described below:

2.2 Description of Problem Area

- ↪ **Slow data retrieval while searching the content:** when any user wants to search any content the process of searching data is quite slow in the current system. Hence user will have to wait for a long time.
- ↪ **Time Consuming:** when any user wants to search any content they have to go through different study materials
- ↪ **Change of data:** If certain credentials of a user change over a period of time, it becomes difficult to make changes in all the past entries.
- ↪ **Reliability:** Pen & paper works are difficult to maintain and manage and the data is often lost due to various circumstances.

2.3 Proposed Solution

The solution for the current system is to develop a system which will sort out all the above problems. The proposed system will work upon the current issues and will overcome the problem that it has right now:

- ↪ **Filteration of posts:** Posts will be easier to find and retrieve according to the user's interest and specified domain by special domain filters incorporated in the system. Also, posts can be sorted according to their date of publish.
- ↪ **Dynamic data functionality:** User's data will be changed dynamically in all the past entries if a change is made in the core credentials of the user.
- ↪ **Reliable:** As the system will be online, there will be an online record of all the entries and posts made by the user and data loss will be eliminated.

III. SYSTEM FEASIBILITY ANALYSIS

3.1 Economic viability

An economic feasibility analysis is a criterion for determining the final market position of a website. Good economic feasibility analysis is helpful for project implementation and management. In this system development process, the technology used, from the database to the development tools, and then to the

server are free, so the cost of the development of the system is only invested in time and effort, therefore, the system is economical.

3.2 Advanced Preliminary Research

The idea came to the mind of developer while using social networking site like app when in use most of the times we get addicted to it and also things we go through while using these sites enters to mind very efficiently and adapting power increases hence it becomes helpful when we read something that is actually going to be in our needs hence platform was developed. When in need to understand some technical things we are in need of getting it in with proper scheduled tasks hence it becomes easy to get that things hence developer developed this website or app where in each different block of different languages of same language can be placed like in C++ only C++ in java only java in html only html. This way anyone can able to post or share their details over the system . Developer designed it so as to get the things as well we can also able to share our information over the system in order to sell more products.

As we also know that we are in that era where Web Application & Mobile Application is the common for every user. If we take the hundred people 95% of the people having own smartphone in his hand so why not, we develop the system in the form of website as well as for an app too . There are very few of the applications which used to do this task.

This system is required to manage all the information about technical issues, Content, Views. The purpose of the DairyFarm System is to automate the existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

IV. THE SYSTEM DESIGN

4.1 System function design

- 1 .Login: All user who already customer have to login .
2. Register: In this section customer has to fill his/her info and can become new member whatever they want to read.
3. Splash Screen: Splash Screen in the screen which appears first when we open app and the first screen in known as splash screen.
4. Profile: Profile shows the info about the customer who has login the system.
5. about us: About us is the feature in which people will know about us.
6. Dashboard: Dashboard is the feature in which all the options will display and appear.
7. City List: It is the option in which there are different lists of cities in which there are different number of consumers are available.
8. Single user: Single user is the user in which single person login the system .

4.2 Logical Structure Design of System Database

According to the functional design of the system, by analyzing the system structure and requirements, we can know that the system should have the difference between the five tables, linked with each other, together constitute the system's database module.

V. SYSTEM DETAILED DESIGN AND IMPLEMENTATION

5.1 Build the Development environment

- (1) Operating System: Android 5.0 and later.
- (2) Software: Android Studio.
- (3) Server : Firebase.

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