Royal Education Society's

College of Computer Science and Information Technology, Latur.

Affiliated to

Swami Ramanand Teerth Marathwada University, Nanded.

A Project Synopsis

On

Farm Management System

Submitted for the award of degree of

Bachelor of Science in Computer Science

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In

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Project Guide	**Project In-charge**	**HOD**

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Abstract –

The Farm Management System is a comprehensive software solution planned to streamline and optimize the operations of modern farms. This project aims to address the challenges faced by farmers and farm managers by providing a user-friendly and efficient platform for managing various aspects of agricultural activities. The system encompasses a wide range of functionalities, including crop planning, livestock management, resource allocation, financial tracking, and reporting.

Introduction:

FARM MANAGEMENT SYSTEM, making and implementing of the decision involved in organizing and operating a farm for maximum production and profit. Farm management draws on agricultural economics for information on prices, markets, agricultural policy, and economic institutions such as leasing and credit. It also draws on plant and animal sciences for information on soils, seed, and fertilizer, on control of weeds, insects, and disease, and on rations and breeding; on agricultural engineering for information on farm buildings, machinery, irrigation, crop drying, drainage, and erosion control systems; and on psychology and sociology for information on human behaviour. In making his decisions, a farm manager thus integrates information from the biological, physical, and social science.

Because farms differ widely, the significant concern in farm management is the specific individual farm; the plan most satisfactory for one farm may be most unsatisfactory for another. Farm management problems range from those of the small, near-subsistence and family- operated farms to those of large-scale commercial farms where trained managers use the latest technological advances, and from farms administered by single proprietors to farms managed by the state.

Project Module:

1. User Module:

Allow users to register with their personal details.Allow users to access farm related data, such as crop information , livestock records, and financial data.

2. Admin Module:

Create , update , and delete users account. Assign and modify users roles and permission. Ability to edit or delete records as necessary.

3. Website Module

Provide a user friendly and customizable dashboard . Display essential farm metrics, alerts , and notification

Project Plan:

Gantt chart:

Sr.no	Task Name	01-Sep	20-Oct	27-Nov	04-Jan	08-Feb
1	Requirement Gathering					
2	Planning					
3	Designing					
4	Coding					
5	Testing and Deployment					

Project Requirements:

➢ Hardware Requirements:

- Processor : Any processor above 500 MHz
- RAM : 4GB.
- Hard Disk : 2GB free space.
- Input Device : Keyboard, Mouse.
- Output Device : Monitor.
- System type : 32-bit or 64-bit operating system

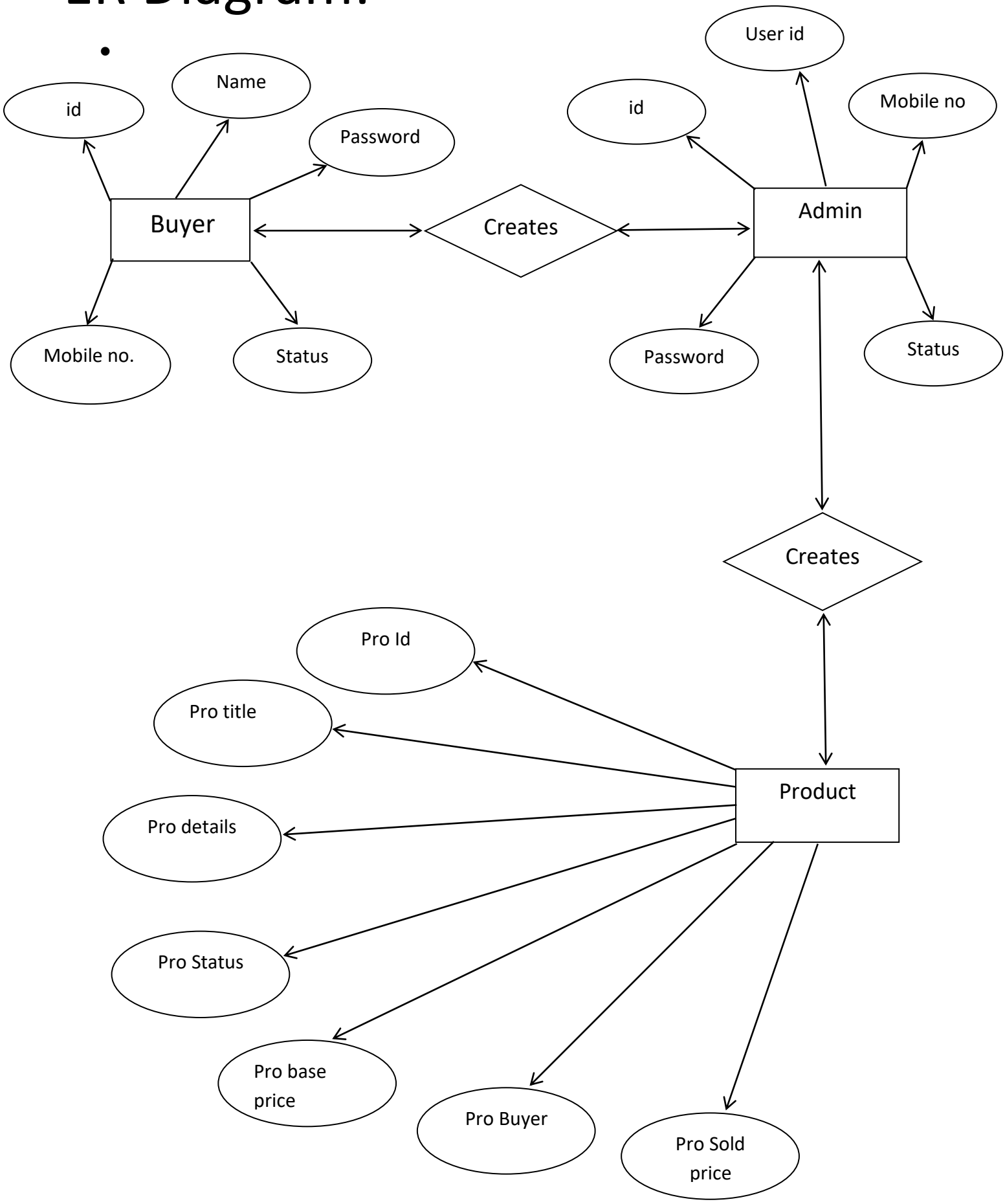
➢ Software Requirement:

- Frontend-IDE : Visual studio 2008 or above
- Backend-IDE : Xampp
- Language : PHP , HTML, CSS , JavaScript,BootStrap
- Backend-Database : MySQL

➢ Field work:

- Visit different types of farms to understand their specific needs and challenges .
- Collect data on crops , livestock and resources available on the farm.
- Identify any technical issues or usability concern and make necessary adjustment

ER Diagram:-


User id
Name
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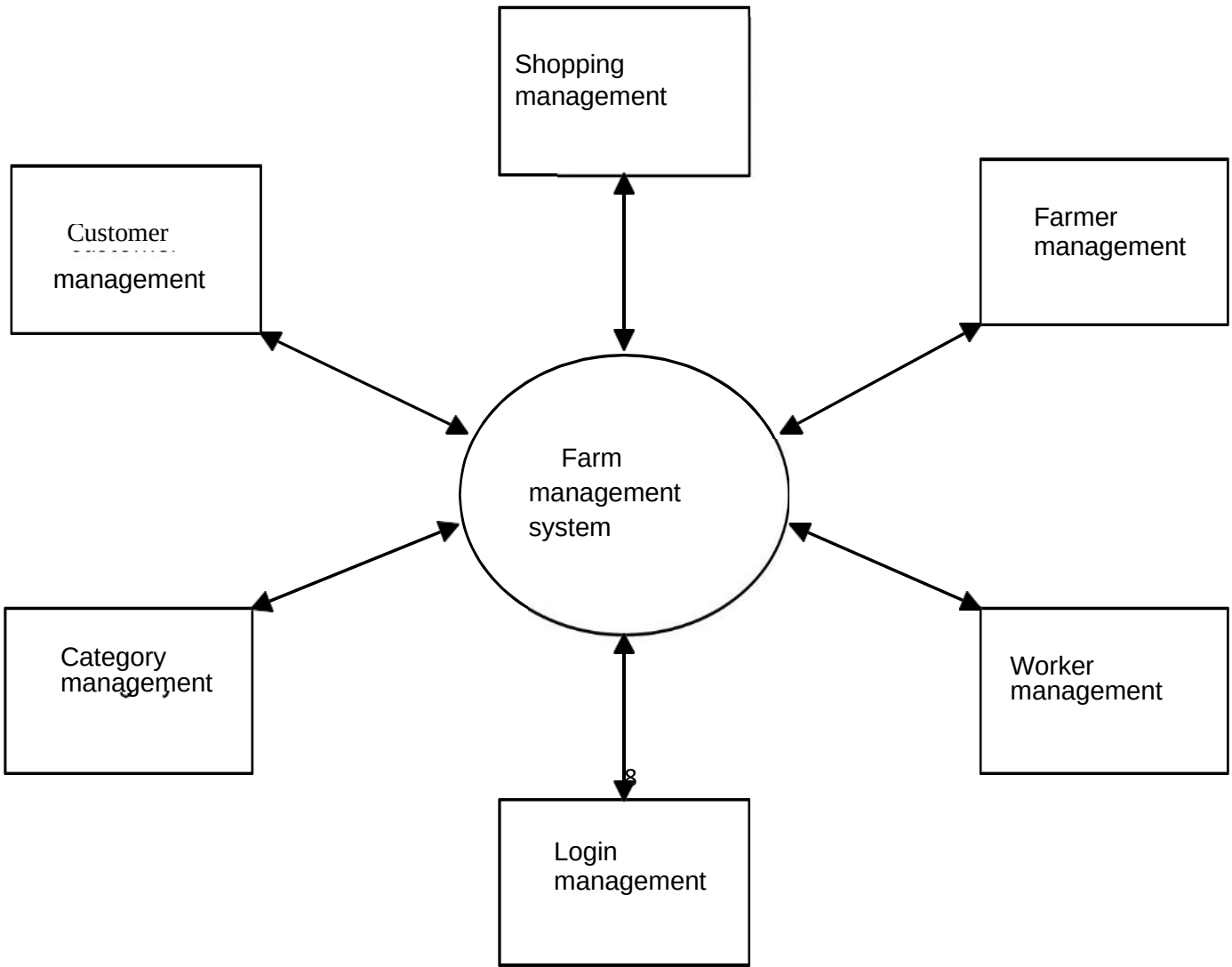
Mobile no
Password
Buyer
Creates
Admin
Mobile no.
Status
Password
Status
Creates
Pro Id
Pro title
Product
Pro details
Pro Status
Pro base price
Pro Buyer
Pro Sold price

DFD:

A data flow diagram is a graphical representation of the flow of data through an information system. A data flow diagram can also be used for the visualization of the data processing. It is common practice for a designer to draw a context level DFD.

It shows the interaction between the system and the outside entities. This context level DFD, is then exploded to show more detail of the system being modelled.

A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as a function that performs the input into the desired output. A DFD shows movement of data through the different transformations or processes in the system.



Notations in DFD:

Symbol	Description
	The circle or bubble represents a process. A process is named, and each process is represented by a named circle.
	The source or sink is represented as a rectangular box. The source or sink is the net originator or the consumer of the data that flows in the system.
	The arrow represents the flow of data Through the system. The labeled arrows enter or leave the bubbles.
	The database is represented with the open box symbol.

Conclusion:

Farmers can use this facility and can learn how it is possible and how they can use e-farming to sell their products. This application will act as unique and secure way to perform agro-marketing. The system allows farmers to sell their stock directly as a direct supplier throughout the country without any middlemen so that, farmer earns optimum rates for his stock and also the customer gets it at lowered costs. This will also eliminate the food grains mafia that stores these products in own warehouses in order to increase demand and thus rates of the products, so that it can later be sold at higher profits.

The biggest advantage of buying vegetables online is the shipping benefits. After shopping minimum requirements the shopped vegetables are brought to your doorstep. This is the key benefit for which many people shop online. They get their desired products within a specific time to their doorstep.

Bibliography -

Books:

- Advanced Internet Technologies (MCA1)

Websites:

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- www.w3schools.com
- Code with Harry(YouTube)
- https://codeshoppy.com