



A PROJECT REPORT ON
“Dairy Management System”

SUBMITTED TO
SHIVAJI UNIVERSITY, KOLHAPUR
FOR THE PARTIAL FULFILLMENT OF DEGREE OF
BSC COMPUTER SCIENCE ENTIRE
BCS-III SEM-VI (2022-2023)
UNDER THE FACULTY OF SCIENCE

SUBMITTED BY
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UNDER THE GUIDANCE OF
Miss S.S.VAYKUL

DEPARTMENT OF COMPUTER SCIENCE
THE NEW COLLEGE, KOLHAPUR

May 2022-23

CERTIFICATE

This is to certify that the project entitled “**Dairy Management System**” which is being submitted here with for the partial fulfillment of the degree of B.Sc. Computer Science (Entire) as laid down by Shivaji University, Kolhapur, is the original work completed in this college by **Mr. Vinayak Bhagavant Patil** under our supervision and guidance and to the best of our knowledge has not been submitted to any other university or examining body.

Place : Kolhapur

Date :

Project Guide

Examiner

Dr. A.A. Kalgonda
Co-ordinator

DECLARATION

I hereby declare that the project entitled “**Dairy Management System**” which is being submitted here with has been developed and completed by us is our original work and has not previously been submitted to any university or examining body for the award of any degree .

We have referred the websites given in the bibliography during the development of the project and have not copied any of written material or its part there of . This project is purely our own and on our merits.

Place : Kolhapur

Date :

Mr. Vinayak Bhagavant Patil

ACKNOWLEDGEMENT

The first and foremost person, we would like to thank is our guide **Miss S.S.VAYKUL** for her keen interest, valuable guidance and continuous encouragement throughout the development of this project work. We express our sincere thanks to other faculty members of computer science department for their valuable suggestions and support.

We express our sincere thanks to **Dr. V.M. Patil**, the Principal, The New College , Kolhapur and **Dr. A.A. Kalgonda**, The Co-ordinator, Department of Computer Science Entire for making us available the laboratory facilities.

We would like to express our deepest gratitude for constant support , understanding and care that we received from our parents who taught us to go ahead in the right way and never to be depressed even in the complicated situations .

Finally, we would like to express our sincere gratitude to those who have helped us directly or indirectly in our project .

Date :

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1. INTRODUCTION

Dairy milk management system can make day to day activities related to dairy easier. From managing milk procurement and product distribution, milk collection software takes care of everything. The entire process is streamlined, as you can track the movement of raw milk from the farm gate to the plant.

This present desktop application has considered as a one stop solution for all the problems faced by all the dairies. In this system all the operations are automated and well categorised right from collection of the milk from the milkman to the generation of the each day receipt or quarterly bill receipt.

In this process the various factors of the milk such as FAT, SNF, Rate and amount can be separated and stored as per the collection from COW or From Buffalo; each and every data will be categorised and stored in the sequential manner thus it will be very easy to access the data as well as to maintain the administration for the Dairy Milk Management. We have developed a very user friendly interface which enrolls the accurate information and fields as per the standards benchmark of the milk collection. All the data can be stored in centralized manner and it can be easily fetched as well as it's a very speedy and time saving process with zero error.

In Milkman Milk Dairy Management Software milk collection system is an excellent way to automate the entire milk collection process, making it efficient, transparent and with less time. Our system incorporates the correct solution by measuring weight, fat levels, and SNF. Based on the criteria collected, it calculates fees, saves transaction logs and prints transaction details. The farmer database is part of the management system functionality that can provide easy payment to farmers.

India lives in villages. More than 42 percent of our population is rural and 40 percent is dedicated to agribusiness. One in two rural households of approximately 7 million farm families is associated with the dairy industry. According to important statistical data related to Indian milk production, 60% of the milk supply in the country comes from small / marginal / landless farmers. Cows are more evenly distributed than agricultural land in India. The Milk dairy industry plays an important role in strengthening the rural economy of India.

It has been recognized as an important component of socioeconomic change in the country. There is an interdependent relationship between agriculture and dairy farming. Agricultural products provide food and fodder for livestock, while livestock produce a variety of dairy products such as milk, ghee, butter, cheese, condensed milk, powdered milk, yogurt, etc., in addition to providing

nutritional safety products. India has its own special place in the international market and is the world's largest milk producer and the second largest producer of dairy products. By the way, India produces milk at the lowest cost in the world at a rate of 24 cents per liter (43 cents in the United States and 2.4 in Japan). If the current trend continues, like the mineral water industry, the milk processing industry also has considerable potential for rapid growth. With a triple increase in the next 10 years, India will become the world's leading producer of dairy products.

1.1 EXISTING SYSTEM

In the existing system, each task is carried out manually and processing is also a tedious job. So it is not easy to maintain records & keep records. Generally all records are kept on registers or in notebooks. And there is no guarantee of permanent storage of records.

Preparing reports is also very time consuming and tedious task. For searching of a single record, whole register has to be searched which is very time-consuming task. Because of the manual maintenance there are number of difficulties and drawbacks present in this system.

1.2 NEED AND SCOPE OF COMPUTER SYSTEM

Main aim of developing Dairy Management System is not just to provide an easy way to all functionalities involved in Dairy Management, but also to provide full functional reports to manage the Dairy with details like members records, daily collection records, cow and buffalo rates, and billing details on one click.

- The system is designed in such a way that it saves records of members easily and can also update or delete them.
- The system is designed in such a way that further enhancement can be easily implemented along with the security and updation.
- The member code is unique for more security.
- Database is designed carefully to minimize the complication of data.
- It is user friendly and easy to operate.
- Improves the efficiency and accuracy.
- Provides quick access of information to the administrator and saves time.

2. PROPOSED SYSTEM

The problem with manual system is taken into consideration and a new system “Dairy Management System “ is built to fulfil the requirements of Dairy, regarding the maintenance of records , calculations and reports generation.

- Dairy Management System is a window based application.
-
- System is developed using Eclipse IDE with Java as front-end and MySQL as back-end.
- Java Swing API is used create various forms and the system is made by binding them together in a single package.
- System is made of total 26 forms and 4 reports with management modules like ‘Members’, ‘Milk Collection’, ‘Rate Management’ and ‘Billing Department’.
- The form entries are easy to enter and user friendly buttons are created which allows the administrator to access, view, update and delete the records.
- All mathematical calculations regarding cost of milk collection, management are done by computer so it improves efficiency and accuracy.
- The milk collection can be divided by collection date and its timing morning or evening are taken by Journal setup.
- Rate is decided by fat and SNF by both cow and buffalo and this rate

is multiplied by litre and also generates its amount.

- Various reports based on member details, collection details, litre, fat, SNF, Rate and amount can be generated.

2.1 OBJECTIVES -

- To improve the efficiency of Dairy Management System.
- Main goal is to reduce paperwork.
- To store up-to-date information of members.
- To generate accurate reports.
- User interface simplicity and user friendliness.
- Large volumes of data can be stored easily using database .
- Maintenance of collected milk is flexible.
- Records stored are updated now and then.
- Stored data and procedures can be easily fetched & edited.
- Accurate calculations are made .
- Less manpower required .
- Provides security, compatibility, credibility.

2.2 Requirement Gathering -

Information Gathering :

- **Admin details** : This is not for personal use it is for dairies only we provide there username and password.
- **Member details** : To Add a Member, we need member information like first name, middle name, last name and its animal type.
- **Milk Rate details** : Admin can add or update rates of both cow or buffalo so details like fat and SNF are required.

2.3 Software Requirements Specification(SRS) -

1. External Interface Requirements

- The system takes input from keyboard.
- The system generates printable output on the screen and peripherals.
- The system uses MySQL database to communicate with database.

2. User Interface

- The software provides good graphical interface for the admin.
Specific administrator can operate the system by performing the required tasks such as create ,update ,view the details of the member, Bill ,and rates
- Allows admin to view reports like milk collection from date to to Date. Also separated by animal type or collection timing information made in between particular month or day.
- Able to generate reports based on the different criteria.

3. Hardware Interface

- Solid State Drive : 512 GB
- RAM : 8.00 GB
- Processor : Intel(R) Core(TM) i5-10300H
- System type : 64 bit
- Operating System : Windows 10

4. Software Interface

- Front End : Eclipse IDE 2022-12.
- Back End : Xampp with MySQL

5. Communication Interface

Microsoft Windows

6. Functional Requirement

- **Use Cases**

The use cases describe the procedures and exemptions for each function. The appropriate permissions of each user are listed in User Characteristics of this document .

- **Item Entry**

In this module we can store the details of packages, hotels, customers.

7. Performance Requirement

The system is required to support multiple terminals simultaneously. The system should handle reasonable number of requests without break or inconsistency.

8. Attributes

- **Reliability**

- The system should work reliably.

- **Security**

- The system is can only be accessed by admin though a verified username and password.

- **Maintainability**

- The document should be easy for the users who execute the system day to day, for the developers who wish to edit or develop further , and for the personnel who is in charge of the maintenance.

- **Portability**

- The system should be support all platforms.

- **Usability**

- An easy to understand documentation should be provided with the system.

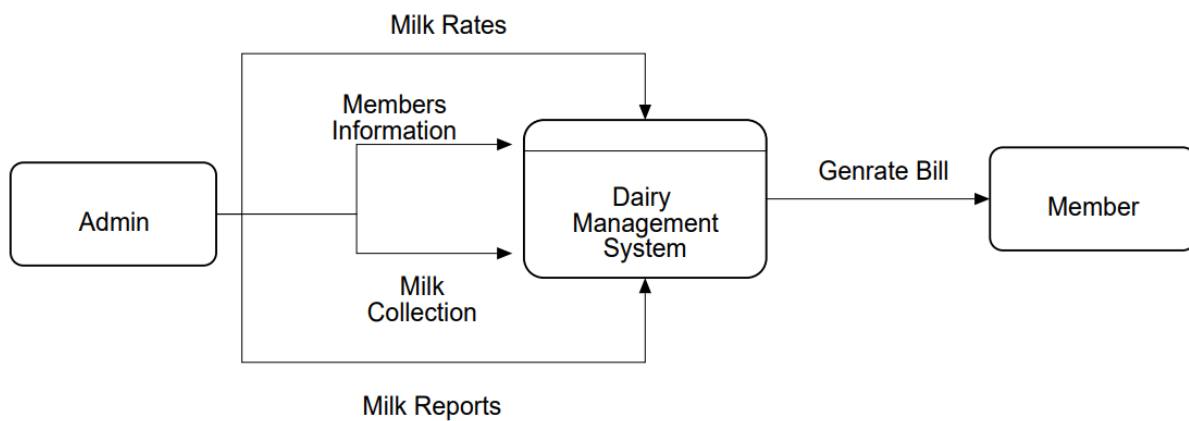


3. SYSTEM ANALYSIS

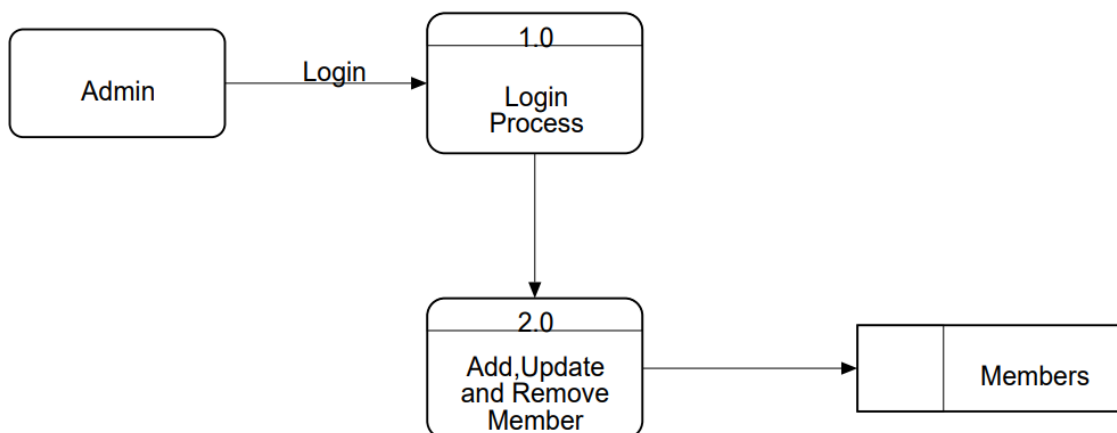
3.1 System Diagrams :

1. Data Flow Diagram (DFD) : -

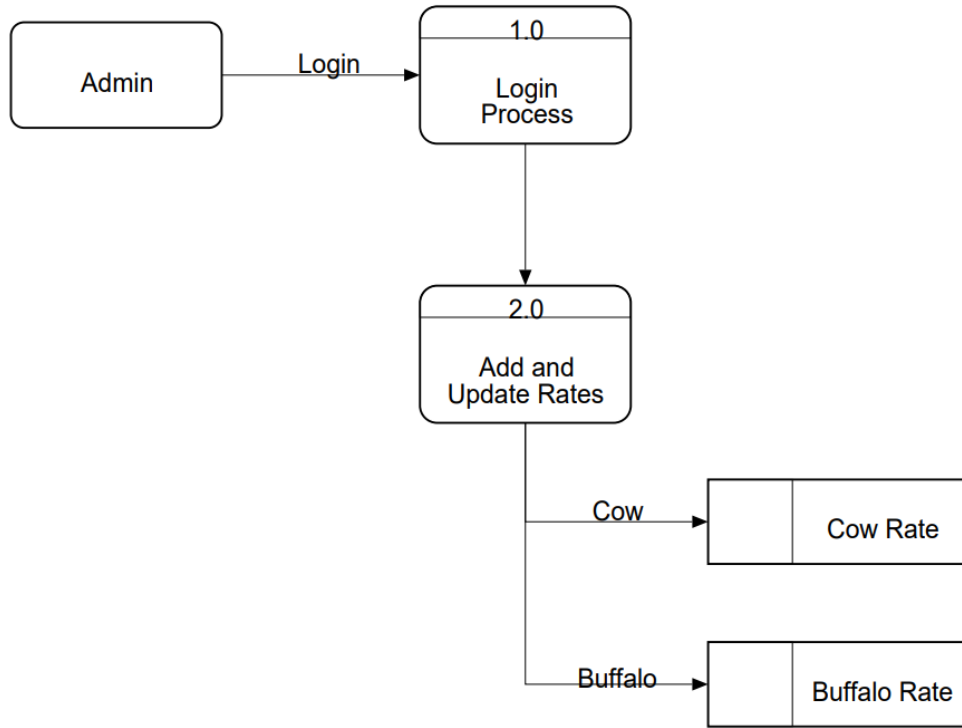
i) Zero Level DFD:-



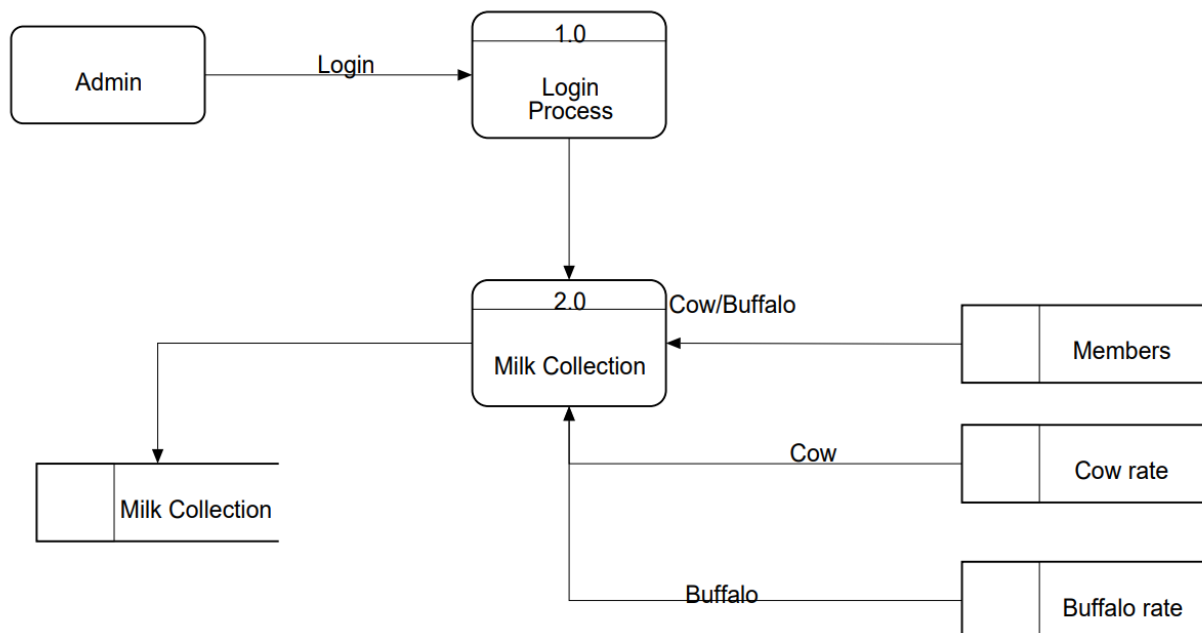
ii) 1st level DFD For Member: -



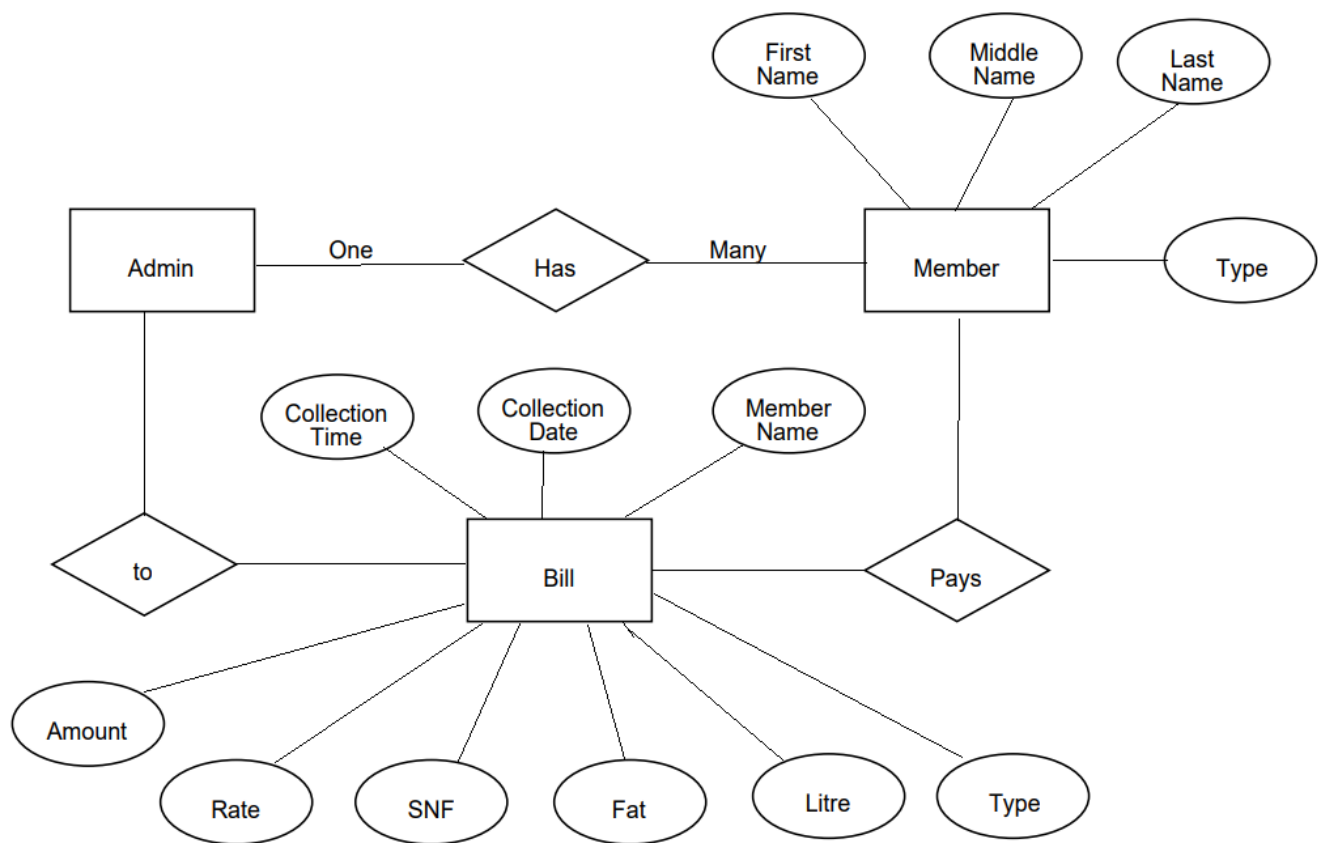
iii) 1st level DFD For Rate: -



iv) 1st level DFD For Milk Collection: -

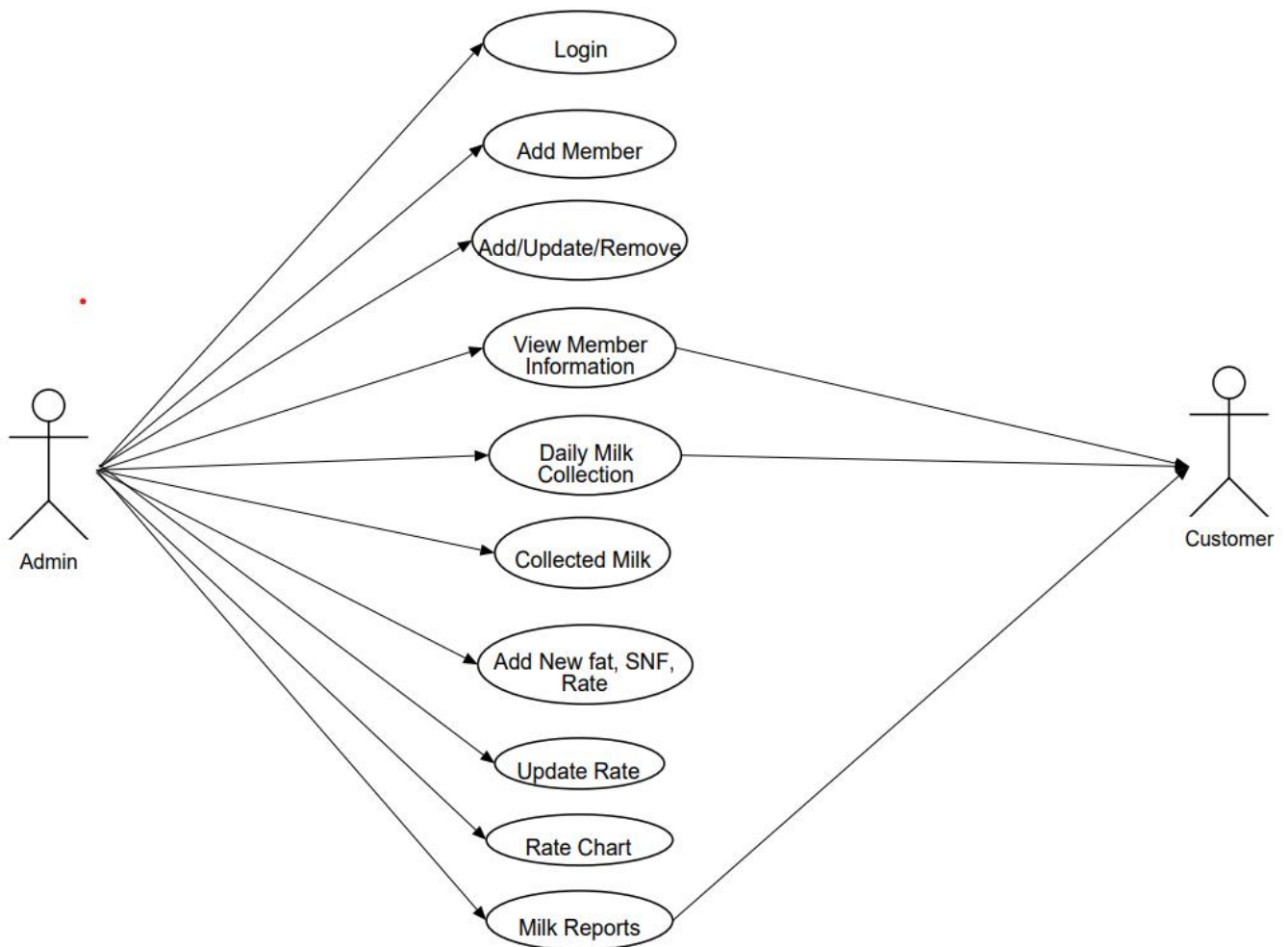


2.Entity Relationship Diagram (ERD) :



3.UML :

a. Use Case Diagram :





4. SYSTEM DESIGN

4.1 Database Design :-

Database tables:

Login Table :

Column Name	Data Type	Nullable	Default	Extra
UserName	varchar(10)	No	-	-
Password	varchar(10)	No	-	-

Members table :

Column Name	Data Type	Nullable	Default	Extra
member_code	int	No	-	Primary key, auto_increment
first_name	varchar(15)	No	-	-
middle_name	varchar(15)	No	-	-
last_name	varchar(15)	No	-	-
Type	varchar(10)	No	-	-

Buffalo_Rate:

Column Name	Data Type	Nullable	Default	Extra
fat	decimal(6,2)	No	-	Primary key
snf	decimal(6,2)	No	-	Primary key
Rate	double	No	-	Primary key



Cow_Rate:

Column Name	Data Type	Nullable	Default	Extra
fat	decimal(6,2)	No	-	Primary key
snf	decimal(6,2)	No	-	Primary key
rate	double	No	-	Primary key

Milk_collection table :

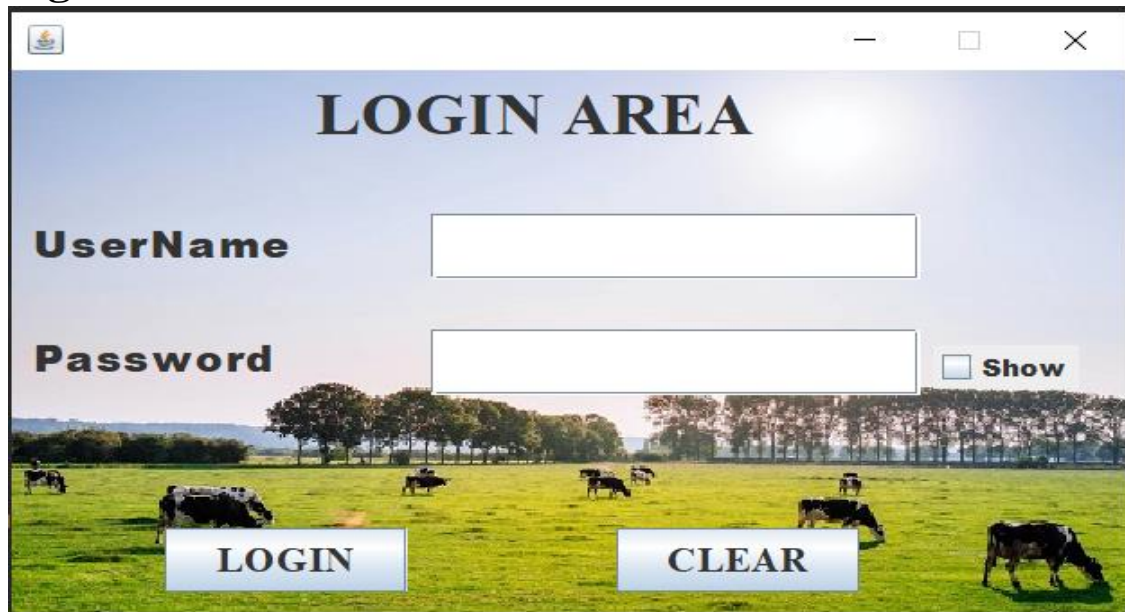
Column Name	Data Type	Nullable	Default	Extra
collection_date	date	No	-	-
collection_timing	varchar(10)	No	-	-
member_code	int	No	-	-
member_name	varchar(30)	No	-	-
ype	varchar(10)	No	-	-
litre	double	No	-	-
fat	decimal(6,2)	No	-	-
snf	decimal(6,2)	No	-	-
rate	double	No	-	-
amount	double	No	-	-

4.2 DashBoard :



INPUT DESIGN

1) Login form :



A screenshot of a web application window titled "LOGIN AREA". The background image shows a green field with several black and white cows grazing under a clear sky. The form contains two input fields: "UserName" and "Password". To the right of the "Password" field is a checkbox labeled "Show". At the bottom of the form are two buttons: "LOGIN" and "CLEAR".


LOGIN AREA

UserName

Password ☐ Show

LOGIN **CLEAR**

2) New Member Registration :



A screenshot of a web application window titled "New Member Registration". The form has a light gray background. It contains three input fields: "First Name", "Middle Name", and "Last Name". Below these fields are two radio buttons labeled "COW" and "BUFFALO". At the bottom are two buttons: "SAVE" and "CLEAR".

New Member Registration

First Name

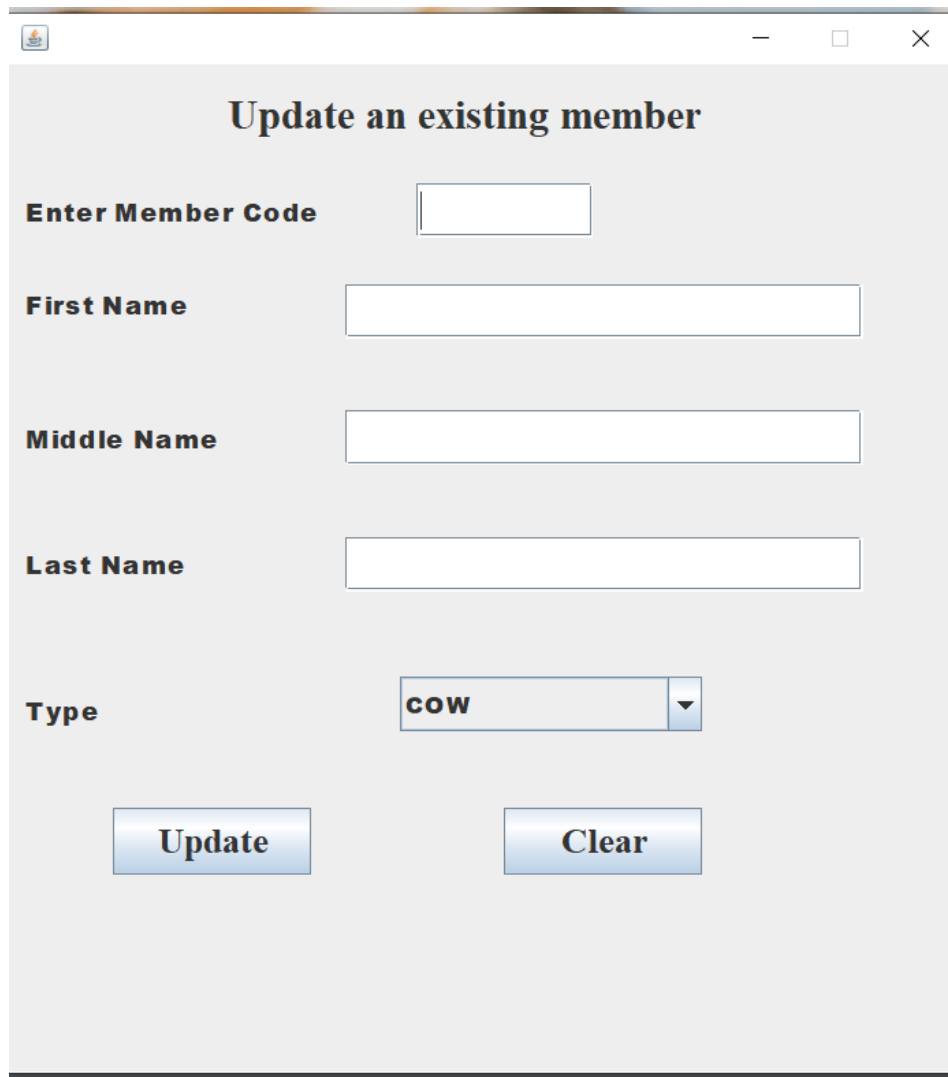
Middle Name

Last Name

Type ☐ COW ☐ BUFFALO

SAVE **CLEAR**

3) Update A Member:-



Update an existing member

Enter Member Code

First Name

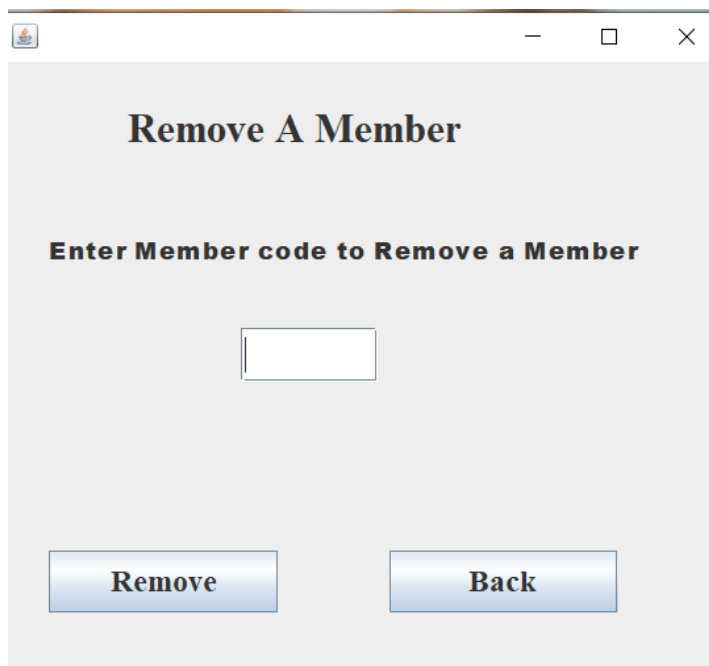
Middle Name

Last Name

Type ▼

Update **Clear**

4) Remove A Member:-

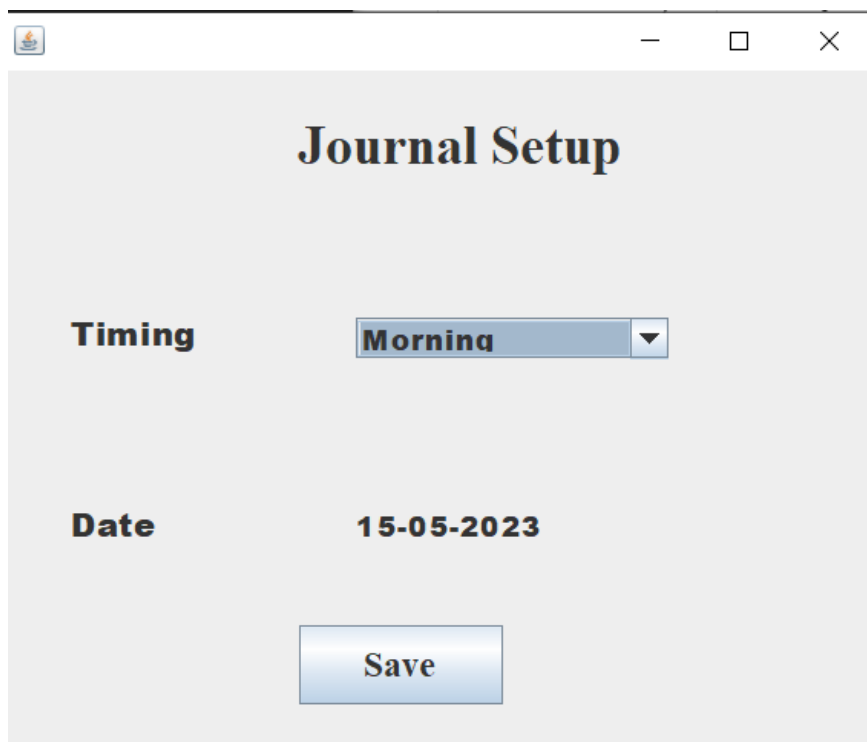


Remove A Member

Enter Member code to Remove a Member

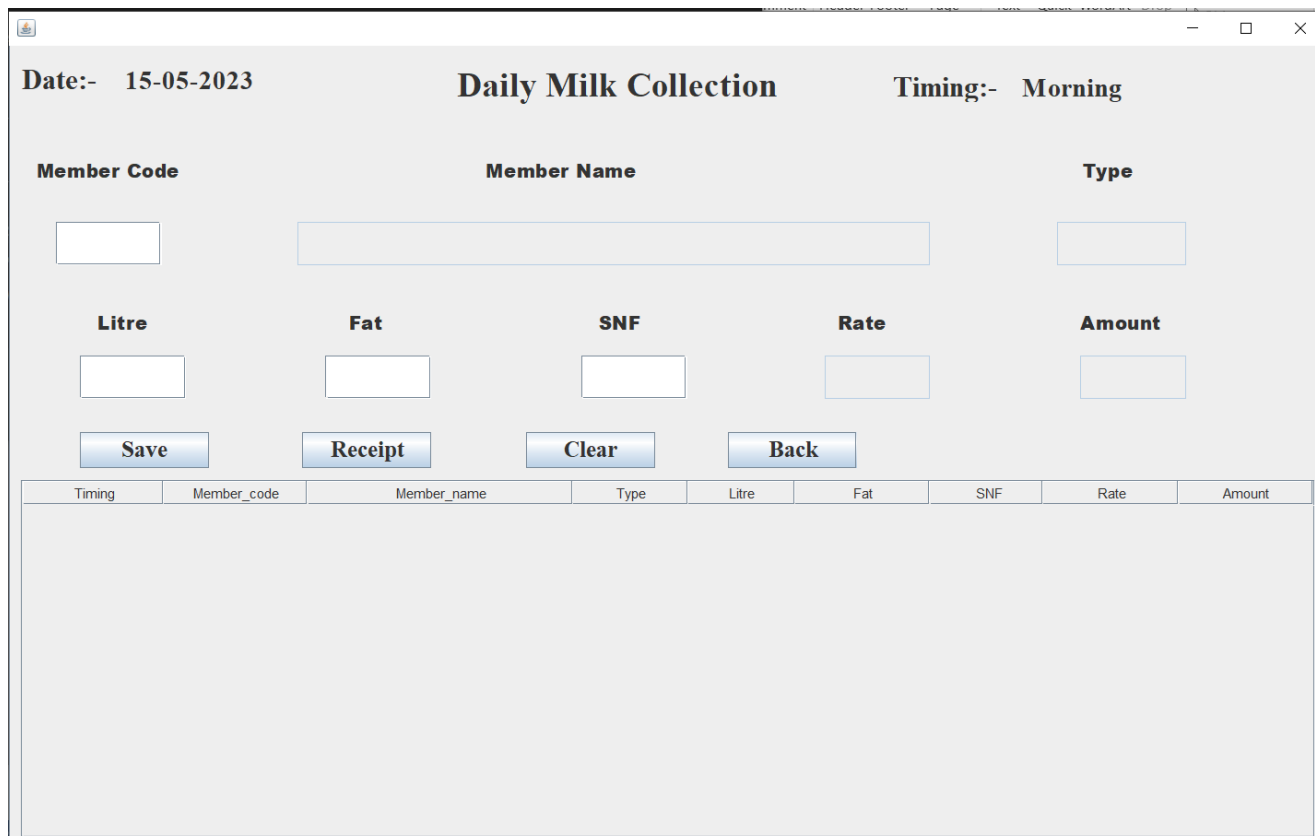
Remove **Back**

5) Journal Setup:



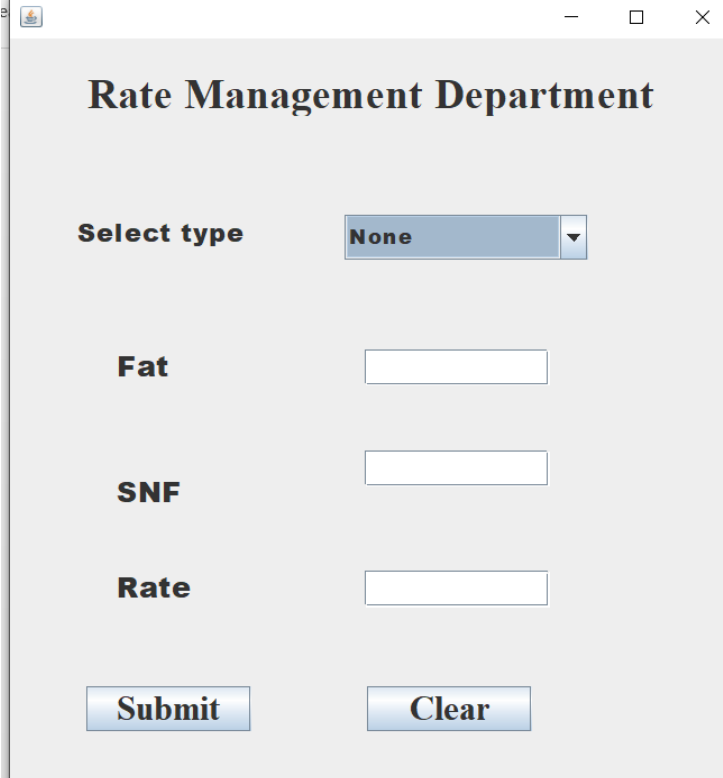
A screenshot of a software window titled "Journal Setup". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main content area is light gray. At the top, the title "Journal Setup" is centered in a bold, black, serif font. Below the title, there are two labels: "Timing" and "Date". The "Timing" label is positioned to the left of a dropdown menu that currently displays "Morning". The "Date" label is positioned to the left of the text "15-05-2023". At the bottom center of the window, there is a blue button with the word "Save" in white text.

6) Daily Milk Collection:



A screenshot of a software window titled "Daily Milk Collection". The window has a standard Windows-style title bar. The main content area is light gray. At the top, there are three labels: "Date:- 15-05-2023", "Daily Milk Collection" (centered), and "Timing:- Morning". Below these labels, there are three input fields: "Member Code", "Member Name", and "Type". Below these input fields, there are five input fields: "Litre", "Fat", "SNF", "Rate", and "Amount". Below these input fields, there are four buttons: "Save", "Receipt", "Clear", and "Back". At the bottom of the window, there is a table with the following columns: "Timing", "Member_code", "Member_name", "Type", "Litre", "Fat", "SNF", "Rate", and "Amount". The table is currently empty.

7) Add Rates:

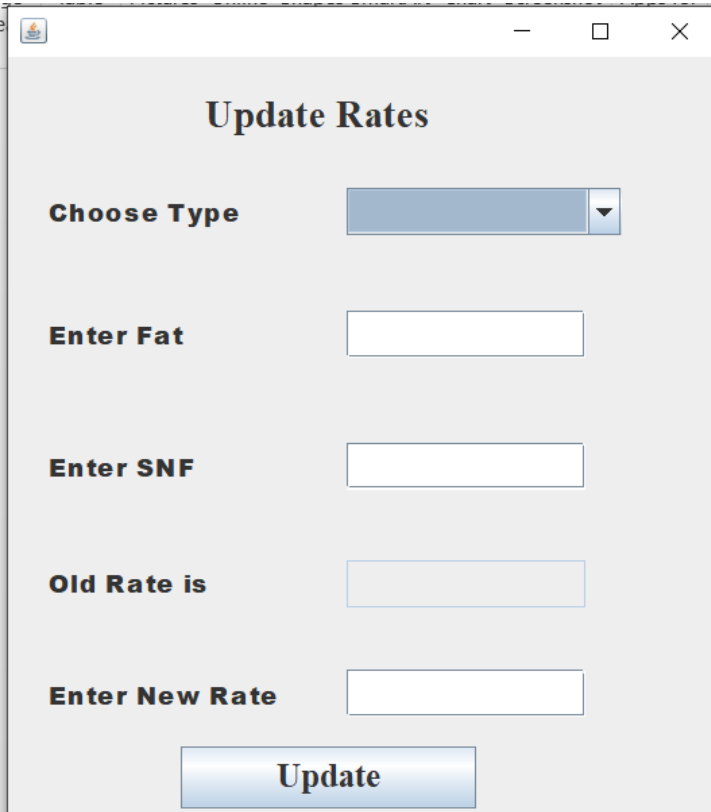


The screenshot shows a window titled "Rate Management Department". It contains a "Select type" dropdown menu with "None" selected. Below this are three input fields labeled "Fat", "SNF", and "Rate". At the bottom are two buttons: "Submit" and "Clear".

Field	Value
Select type	None
Fat	
SNF	
Rate	

Buttons: Submit, Clear

8) Update Rates:-



The screenshot shows a window titled "Update Rates". It contains a "Choose Type" dropdown menu. Below this are four input fields labeled "Enter Fat", "Enter SNF", "Old Rate is", and "Enter New Rate". At the bottom is a single button labeled "Update".

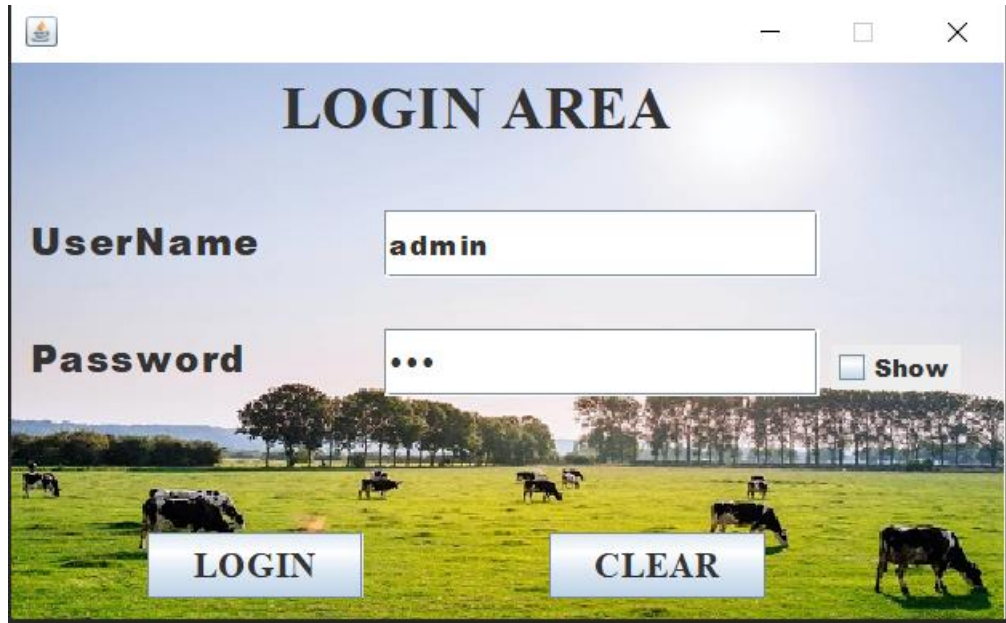
Field	Value
Choose Type	
Enter Fat	
Enter SNF	
Old Rate is	
Enter New Rate	

Button: Update

4.3 OUTPUT DESIGN

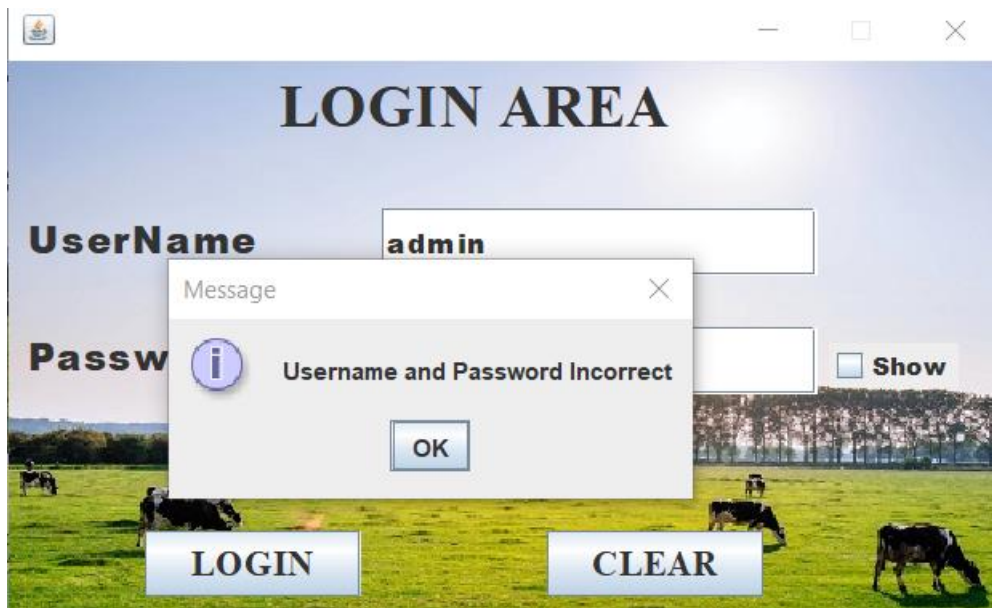
1) Login :

a) Successful Login :



A screenshot of a web application window titled "LOGIN AREA". The background is a scenic image of a green field with several black and white cows grazing under a clear sky. The interface includes a "UserName" label followed by a text input field containing the text "admin". Below this is a "Password" label followed by a password input field with three dots. To the right of the password field is a "Show" button with a small square icon. At the bottom of the form are two large, light blue buttons labeled "LOGIN" and "CLEAR".

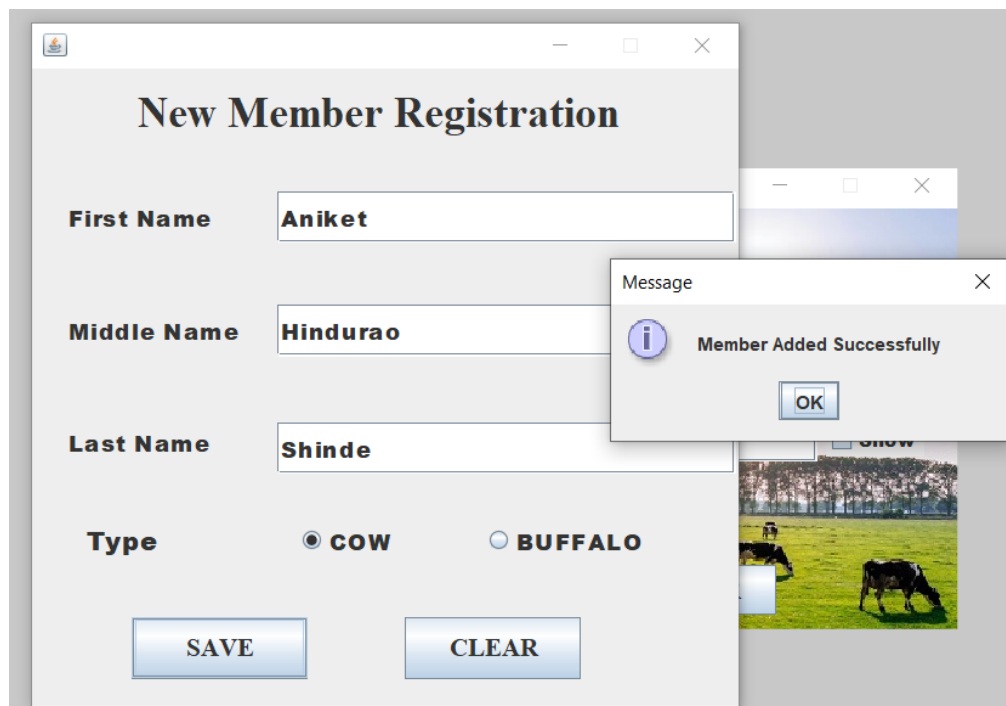
b) Unsuccessful Login :



A screenshot of the same "LOGIN AREA" web application window, but with an error message displayed. The "UserName" field still contains "admin". A modal dialog box titled "Message" is overlaid on the form. It contains an information icon (a lowercase 'i' inside a circle), the text "Username and Password Incorrect", and an "OK" button. The "LOGIN" and "CLEAR" buttons are still visible at the bottom.

2) Members

i) Add A Member

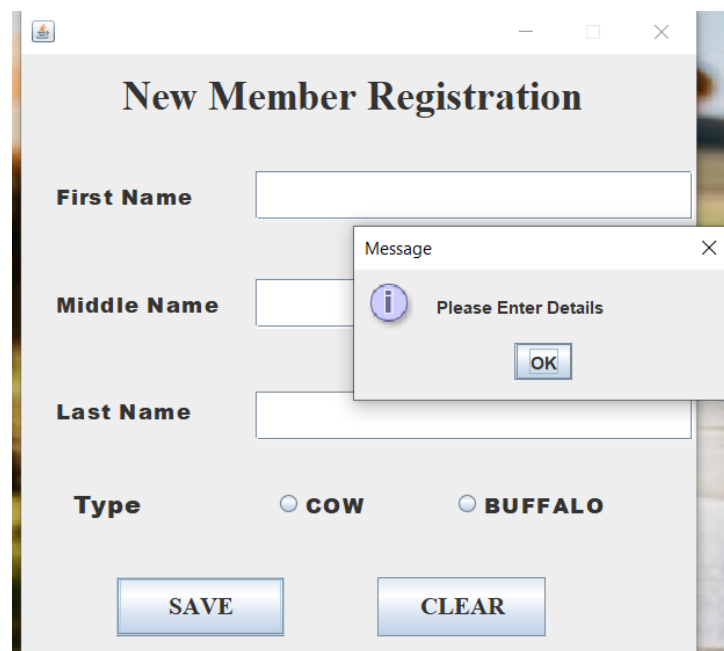


The screenshot shows a 'New Member Registration' window. The form contains the following fields and controls:

- First Name:** Text input field containing 'Aniket'.
- Middle Name:** Text input field containing 'Hindurao'.
- Last Name:** Text input field containing 'Shinde'.
- Type:** Radio button group with 'COW' selected and 'BUFFALO' unselected.
- Buttons:** 'SAVE' and 'CLEAR' buttons at the bottom.

A 'Message' dialog box is overlaid on the form, displaying the text 'Member Added Successfully' and an 'OK' button.

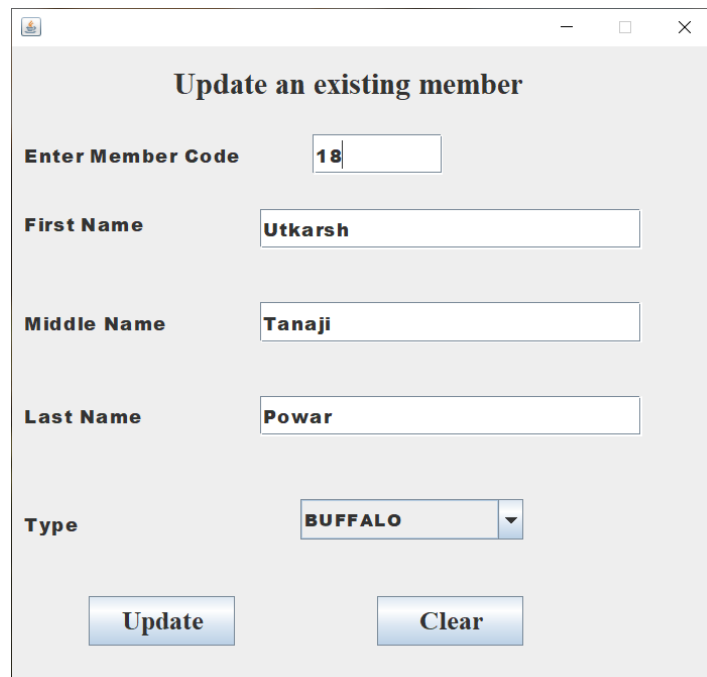
If nothing is input:



The screenshot shows the 'New Member Registration' window with all input fields empty. A 'Message' dialog box is overlaid, displaying the text 'Please Enter Details' and an 'OK' button.

ii) Update A Member :

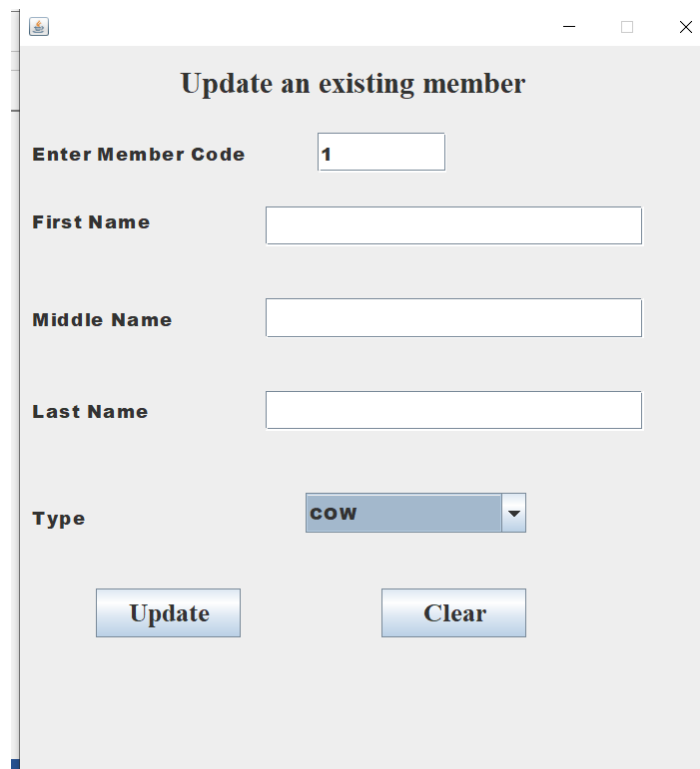
a) If Member is Available:-



The screenshot shows a window titled "Update an existing member". It contains the following fields and controls:

- Enter Member Code:** A text box containing the value "18".
- First Name:** A text box containing the value "Utkarsh".
- Middle Name:** A text box containing the value "Tanaji".
- Last Name:** A text box containing the value "Powar".
- Type:** A dropdown menu with "BUFFALO" selected.
- Buttons:** "Update" and "Clear" buttons at the bottom.

b) If Member is Unavailable

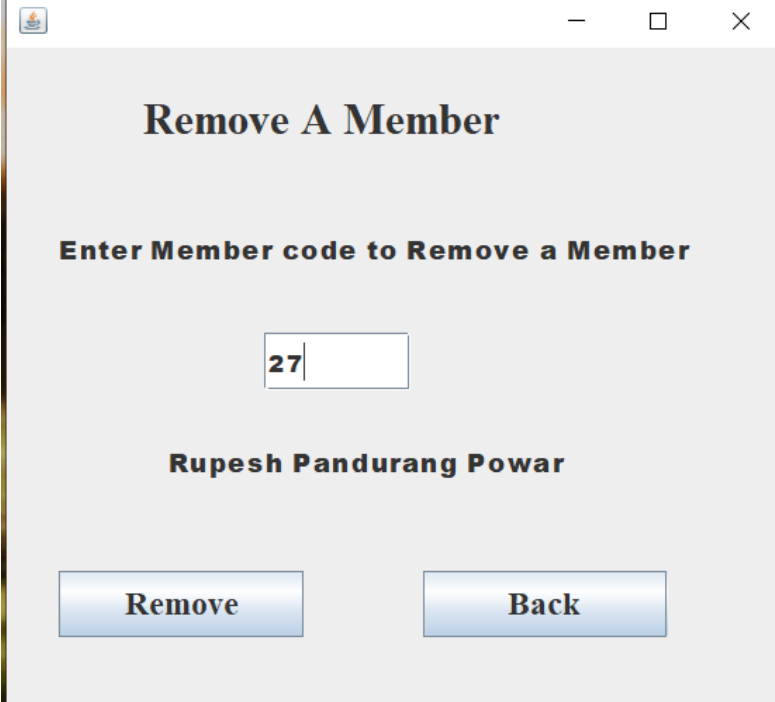


The screenshot shows the same window titled "Update an existing member". In this state, the fields are as follows:

- Enter Member Code:** A text box containing the value "1".
- First Name:** An empty text box.
- Middle Name:** An empty text box.
- Last Name:** An empty text box.
- Type:** A dropdown menu with "COW" selected.
- Buttons:** "Update" and "Clear" buttons at the bottom.

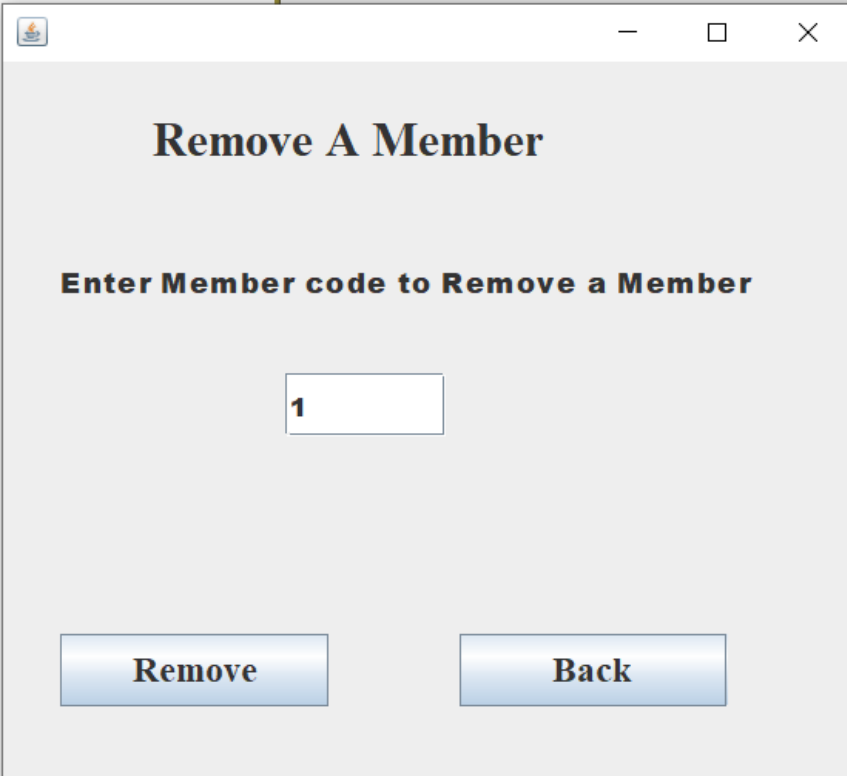
iii) Remove A Member:

a) If Member is Available:-



The screenshot shows a window titled "Remove A Member" with a standard Windows title bar (minimize, maximize, close buttons). The window has a light gray background. At the top, the title "Remove A Member" is centered in a bold, black, serif font. Below the title, the instruction "Enter Member code to Remove a Member" is centered in a bold, black, sans-serif font. In the center of the window, there is a text input field containing the number "27" followed by a vertical cursor. Below the input field, the name "Rupesh Pandurang Powar" is centered in a bold, black, sans-serif font. At the bottom of the window, there are two blue buttons with white text: "Remove" on the left and "Back" on the right.


b) If Member is Unavailable: -



The screenshot shows a window titled "Remove A Member" with a standard Windows title bar (minimize, maximize, close buttons). The window has a light gray background. At the top, the title "Remove A Member" is centered in a bold, black, serif font. Below the title, the instruction "Enter Member code to Remove a Member" is centered in a bold, black, sans-serif font. In the center of the window, there is a text input field containing the number "1" followed by a vertical cursor. Below the input field, there are two blue buttons with white text: "Remove" on the left and "Back" on the right.

3) Daily Milk Collection:-

i) Journal Setup:-



—

□

×

Journal Setup

Timing

Morning


▼

Date

15-05-2023

Save

a) Daily Collection:-



—

□

×

Date:- 15-05-2023

Daily Milk Collection

Timing:- Morning

Member Code

Member Name

Type

14

Vinayak Bhagavant Patil

COW

Litre

Fat

SNF

Rate

Amount

2.3

5.0

5.0

12.0

27.6

Save

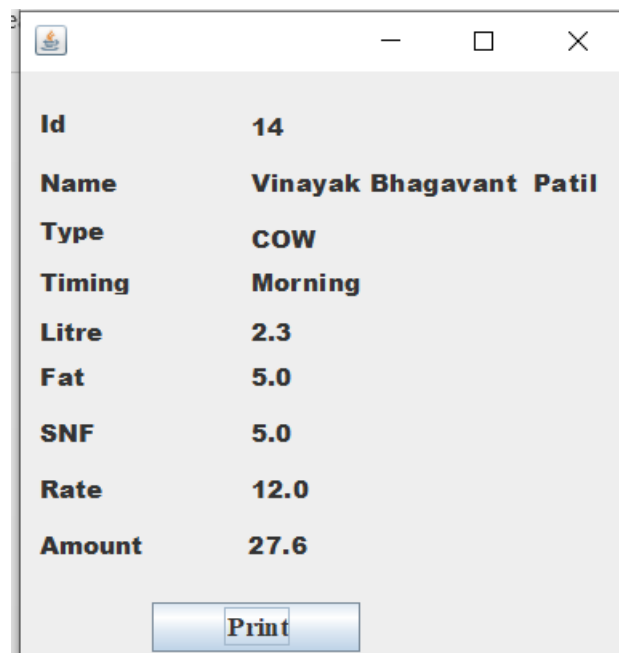
Receipt

Clear

Back

collection_date	collection_timing	member_code	member_name	type	litre	fat	snf	rate	amount
15-05-2023	Morning	14	Vinayak Bhagavant Patil	COW	2.3	5.0	5.0	12.0	27.6

If Receipt is Clicked:-



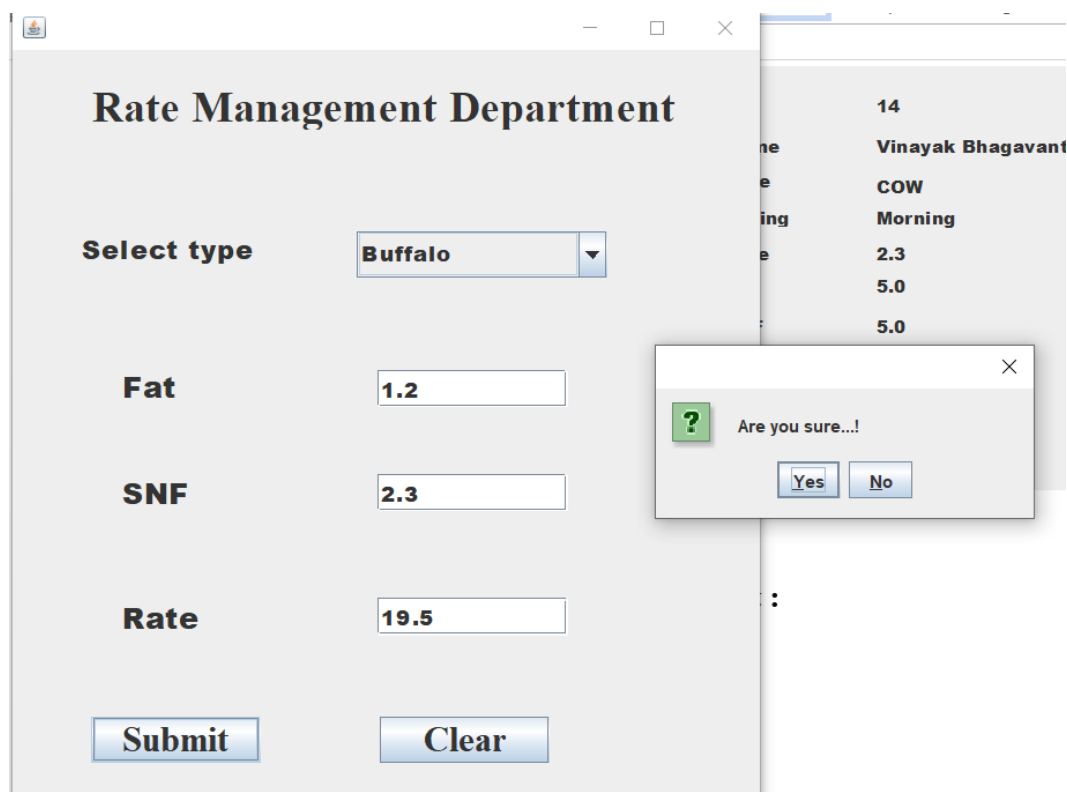
A receipt window with a title bar containing a small icon and standard window controls. The receipt lists the following details:

Id	14
Name	Vinayak Bhagavant Patil
Type	COW
Timing	Morning
Litre	2.3
Fat	5.0
SNF	5.0
Rate	12.0
Amount	27.6

At the bottom of the window is a button labeled **Print**.

4) Rate Management :

i) Add Rates:-



The **Rate Management Department** window contains the following fields and controls:

- Select type**: A dropdown menu currently showing **Buffalo**.
- Fat**: A text input field containing **1.2**.
- SNF**: A text input field containing **2.3**.
- Rate**: A text input field containing **19.5**.
- At the bottom are two buttons: **Submit** and **Clear**.

A confirmation dialog box is overlaid on the window, asking: **Are you sure...!** with **Yes** and **No** buttons.

If Yes Is Selected

The screenshot shows a Java Swing window titled "Rate Management Department". It contains a dropdown menu for "Select type" with "Buffalo" selected, and three text input fields for "Fat" (1.2), "SNF" (2.3), and "Rate" (19.5). At the bottom are "Submit" and "Clear" buttons. To the right, a snippet of Java code is visible, showing a successful database insert and a confirmation message dialog.

```
JOOptionPane.showMessageDialog(  
tr1.equalsIgnoreCase("buffalo"))  
tring sql="insert into buffalo_ra  
reparedStatement ps=con.prepareSt  
ouble fat_new=Double.parseDouble(  
ouble snf_new=Double.parseDouble(  
o Message  
S S S  
S i Record added successfully  
OK  
nt data=ps.executeUpdate();  
nt display=JOOptionPane.showConfir  
f(display==JOOptionPane.YES_OPTION  
JOOptionPane.showMessageDialog(  
f(display==JOOptionPane.NO_OPTION)
```

5) Update Rate:

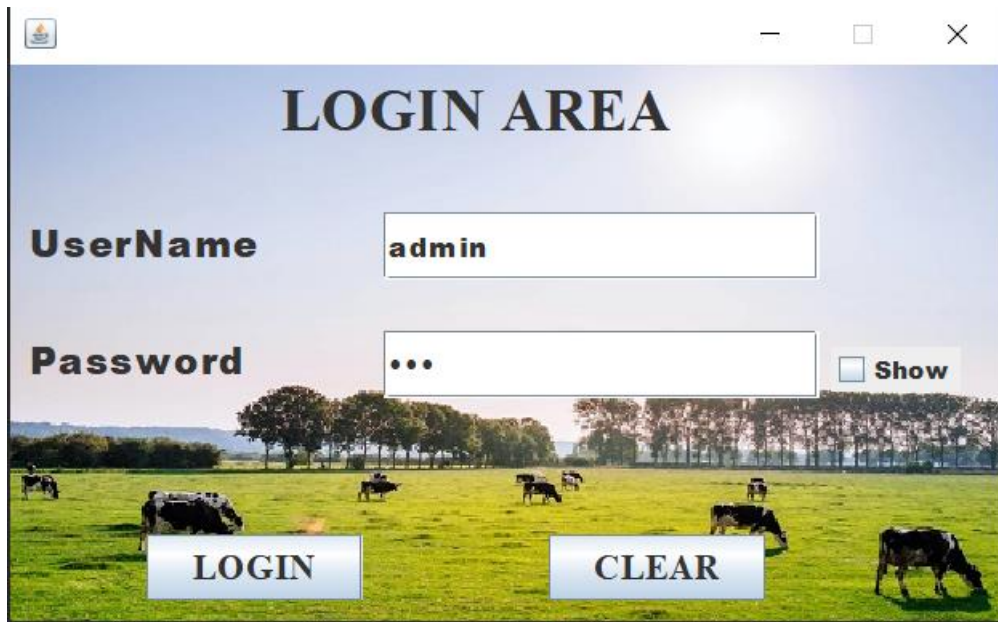
The screenshot shows a Java Swing window titled "Update Rates". It contains a dropdown menu for "Choose Type" with "COW" selected, and four text input fields for "Enter Fat" (7.60), "Enter SNF" (7.0), "Old Rate is" (48.0), and "Enter New Rate" (50). An "Update" button is at the bottom. To the right, a background image of a cow is visible, and a confirmation dialog titled "Update a Rate" is shown with the message "Are you sure...!" and "Yes" and "No" buttons.

If Yes Is Selected

[illegible]

5. User Guidelines-

When you run the application, first the login window opens on which there are two options – 1) Login & 2) Clear .



The screenshot shows a window titled "LOGIN AREA" with a background image of a green field with cows. The window contains two input fields: "UserName" with the text "admin" and "Password" with three dots. To the right of the password field is a "Show" checkbox. At the bottom are two buttons: "LOGIN" and "CLEAR".


After successful login , 'Dashboard' window opens.



On 'Dashboard' there are different managing modules :

1) Members: There are four options to add a member, update a member, remove a member and display all data of members.

i) Add a Member:- Here we adding new member information such as there first name, middle name and last name also we added there animal type.

A screenshot of a web application window titled "New Member Registration". The window has a standard title bar with a minimize button, a maximize button, and a close button. The form is styled with a light gray background and rounded corners. It contains three text input fields for "First Name", "Middle Name", and "Last Name", each with a label to its left. Below these fields is a "Type" section with two radio buttons: "COW" and "BUFFALO". At the bottom of the form are two buttons: "SAVE" and "CLEAR".

New Member Registration

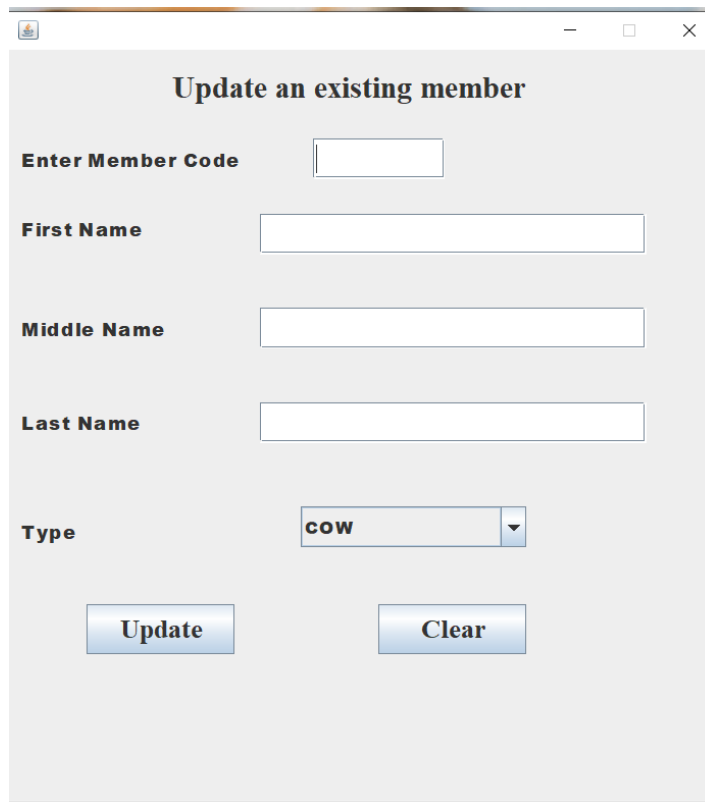
First Name

Middle Name

Last Name

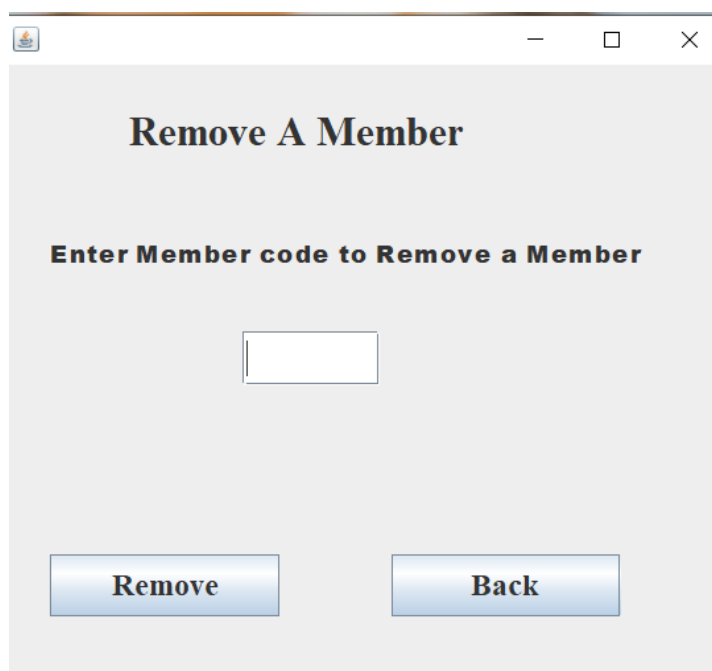
Type ☐ COW ☐ BUFFALO

ii) Update a Member:- Here we updating existing member information by there member code such as there first name, middle name ,last name and animal type.



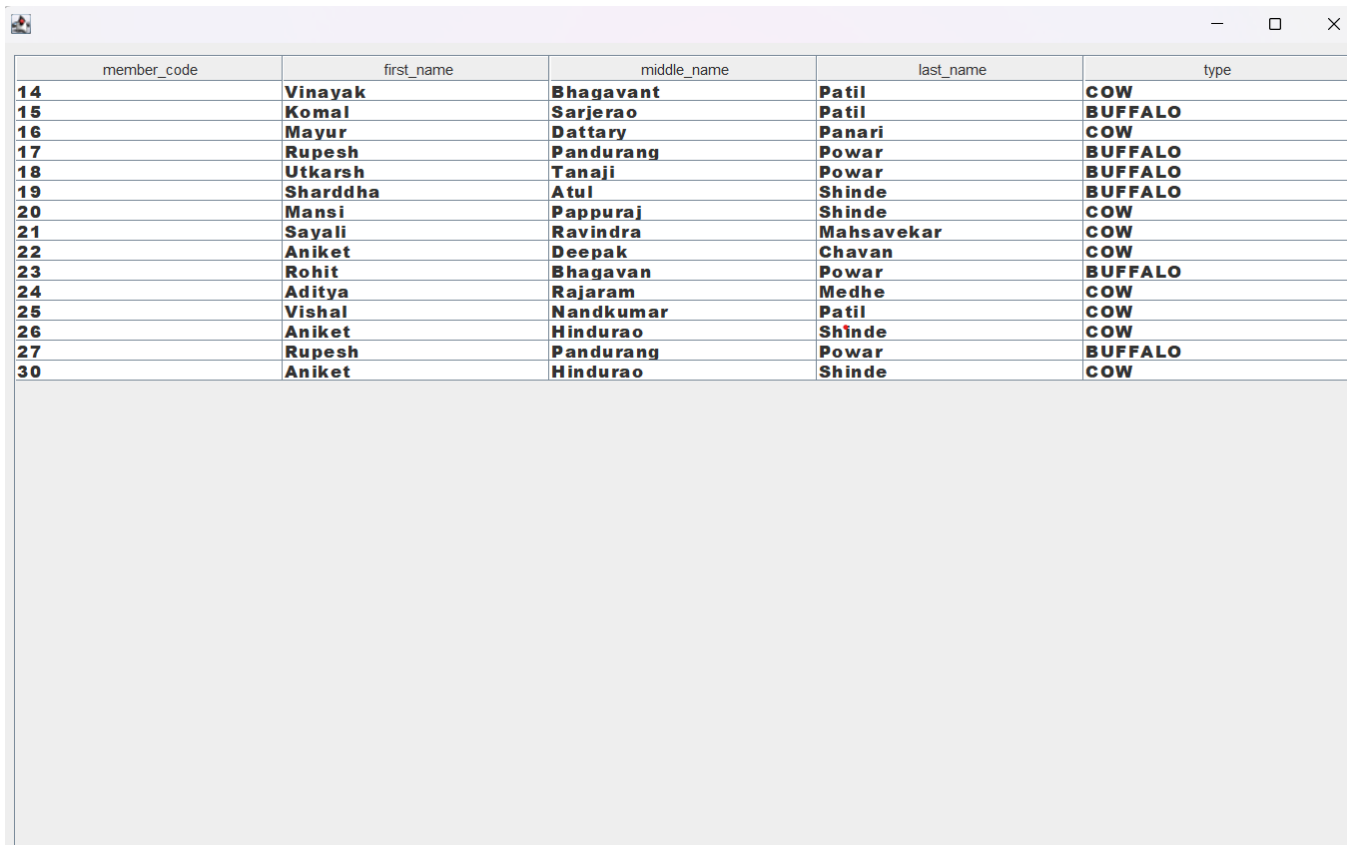
The screenshot shows a web application window with a title bar containing a small icon, a minus sign, a maximize button, and a close button. The main content area has a light gray background and is titled "Update an existing member" in bold black text. Below the title, there are four input fields: "Enter Member Code" (a small text box), "First Name" (a larger text box), "Middle Name" (a larger text box), and "Last Name" (a larger text box). Below these fields is a "Type" label followed by a dropdown menu showing "COW" with a downward arrow. At the bottom of the form are two buttons: "Update" and "Clear", both with a blue gradient and white text.

iii) Remove a Member:- Here we Removing existing member by there member code.



The screenshot shows a web application window with a title bar containing a small icon, a minus sign, a maximize button, and a close button. The main content area has a light gray background and is titled "Remove A Member" in bold black text. Below the title, there is a label "Enter Member code to Remove a Member" in bold black text. Below this label is a single text input box. At the bottom of the form are two buttons: "Remove" and "Back", both with a blue gradient and white text.

iv) Display All Members - Here we display all members details

A screenshot of a software application window with a title bar containing standard Windows window controls (minimize, maximize, close). The window displays a table with five columns: member_code, first_name, middle_name, last_name, and type. The table contains 17 rows of data, with member codes ranging from 14 to 30. The names are listed in a structured manner, and the types are either COW or BUFFALO. Below the table, there is a large, empty light gray rectangular area.

member_code	first_name	middle_name	last_name	type
14	Vinayak	Bhagavant	Patil	COW
15	Komal	Sarjerao	Patil	BUFFALO
16	Mayur	Dattary	Panari	COW
17	Rupesh	Pandurang	Powar	BUFFALO
18	Utkarsh	Tanaji	Powar	BUFFALO
19	Sharddha	Atul	Shinde	BUFFALO
20	Mansi	Pappuraj	Shinde	COW
21	Sayali	Ravindra	Mahsavekar	COW
22	Aniket	Deepak	Chavan	COW
23	Rohit	Bhagavan	Powar	BUFFALO
24	Aditya	Rajaram	Medhe	COW
25	Vishal	Nandkumar	Patil	COW
26	Aniket	Hindurao	Shinde	COW
27	Rupesh	Pandurang	Powar	BUFFALO
30	Aniket	Hindurao	Shinde	COW

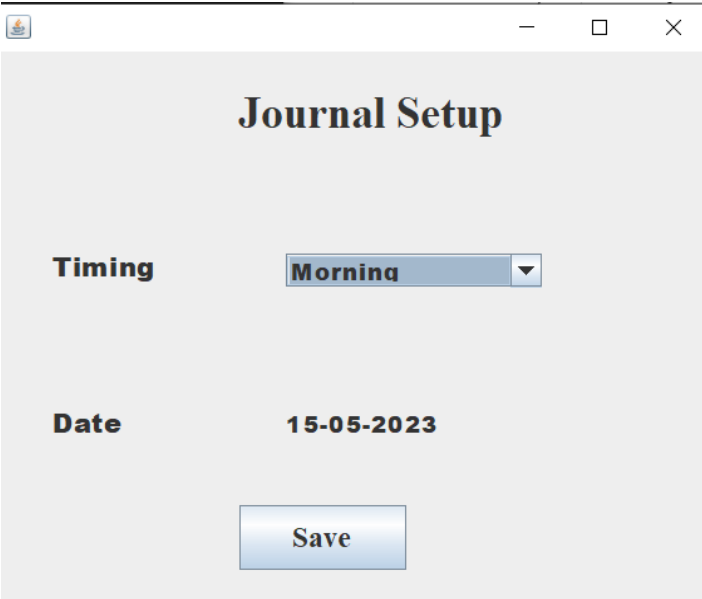
2) Milk Collection: There are two options to daily milk collection and collected milk.

- i) Daily Milk Collection :-Here we first asking journal setup. In journal setup we decide collection time i.e Morning or evening ,collection date will be automatically updated from current date of your PC and Save it.

When you have hit the save Button Then you have to open the milk collection page in this page we first have to enter member code their member name And their type will be cached automatically. Then first you have

to enter their Litre, fat, SNF. By this entered fat and SNF the rate will be calculated according to there animal type and rate multiplied by litre and their amount will be displayed in amount box. After that when you hit the save button this all information i.e collection time, collection date, member code member name, type, litre, fat, SNF, rate and amount will be stored and displayed below the save button.

Then we also have two more buttons i.e clear and receipt. After clicking clear button all entered information will be cleared and after clicking on receipt button all information of member i.e collection time, collection date, member code member name, type, litre, fat, SNF, rate and amount will be display on the receipt.



The screenshot shows a window titled "Journal Setup". Inside the window, there are two labels: "Timing" and "Date". Next to "Timing" is a dropdown menu with "Morning" selected. Next to "Date" is a text field displaying "15-05-2023". At the bottom of the form is a "Save" button.

Date:- 15-05-2023
Daily Milk Collection
Timing:- Morning

Member Code

Member Name

Type

Litre

Fat

SNF

Rate

Amount

Save

Receipt

Clear

Back

Timing	Member_code	Member_name	Type	Litre	Fat	SNF	Rate	Amount
--------	-------------	-------------	------	-------	-----	-----	------	--------

Id
14

Name
Vinayak Bhagavant Patil

Type
COW

Timing
Morning

Litre
2.3

Fat
5.0

SNF
5.0

Rate
12.0

Amount
27.6

Print

ii) Collected Milk:-Here collected milk reports display (from date) to (to date) by two methods a) by timing wise and b) by type wise.

a) by timing wise:-Here both Morning and Evening wise reports will be shown directly.


Morning Wise							Evening Wise						
collection_da..	member_co..	litre	fat	snf	rate	amount	collection_da..	member_co..	litre	fat	snf	rate	amount
01-04-2023	14	3.0	5.0	5.0	64.0	192.0	01-04-2023	14	3.0	7.6	7.0	3.2	9.6
01-04-2023	15	2.0	4.0	4.0	12.6	25.2	01-04-2023	15	3.2	4.0	4.0	12.6	40.32
02-04-2023	14	2.3	5.0	5.0	64.0	147.2	02-04-2023	14	2.5	7.6	7.0	3.2	8.0
02-04-2023	15	1.2	4.0	4.0	12.6	15.12	02-04-2023	15	2.5	4.0	4.0	12.6	31.5
03-04-2023	14	3.0	5.0	5.0	64.0	192.0	03-04-2023	14	3.0	5.0	5.0	64.0	192.0
03-04-2023	15	2.0	4.0	4.0	12.6	25.2	03-04-2023	15	2.5	4.0	4.0	12.6	31.5
16-04-2023	14	3.0	5.0	5.0	64.0	192.0	16-04-2023	14	3.0	5.0	5.0	64.0	192.0
16-04-2023	15	2.0	4.0	4.0	12.6	25.2	16-04-2023	15	2.5	4.0	4.0	12.6	31.5
17-04-2023	14	3.0	5.0	5.0	64.0	192.0	17-04-2023	14	3.0	5.0	5.0	64.0	192.0
17-04-2023	15	2.5	4.0	4.0	12.6	31.5	17-04-2023	15	2.5	4.0	4.0	12.6	31.5
18-04-2023	14	3.0	5.0	5.0	64.0	192.0	18-04-2023	14	3.0	5.0	5.0	64.0	192.0
18-04-2023	15	2.5	4.0	4.0	12.6	31.5	18-04-2023	15	2.5	4.0	4.0	12.6	31.5
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	4.1	4.0	4.0	12.6	51.66
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	1.2	4.0	4.0	12.6	15.12
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	4.2	4.0	4.0	12.6	52.92
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	20	4.2	5.0	5.0	12.0	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	20	4.2	5.0	5.0	12.0	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	4.0	4.0	4.0	12.6	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	15	2.3	4.0	4.0	12.6	28.98							
28-04-2023	15	4.2	4.0	4.0	12.6	52.92							
28-04-2023	20	1.2	5.0	5.0	12.0	14.4							

b) by type wise:-Here both COW and BUFFALO wise reports will be shown directly.

COW							BUFFALO						
collection_date	member_co...	litre	fat	snf	rate	amount	collection_da	member_co...	litre	fat	snf	rate	amount
01-04-2023	14	3.0	5.0	5.0	64.0	192.0	01-04-2023	15	2.0	4.0	4.0	12.6	25.2
01-04-2023	14	3.0	7.6	7.0	3.2	9.6	01-04-2023	15	3.2	4.0	4.0	12.6	40.32
02-04-2023	14	2.3	5.0	5.0	64.0	147.2	02-04-2023	15	1.2	4.0	4.0	12.6	15.12
02-04-2023	14	2.5	7.6	7.0	3.2	8.0	02-04-2023	15	2.5	4.0	4.0	12.6	31.5
03-04-2023	14	3.0	5.0	5.0	64.0	192.0	03-04-2023	15	2.0	4.0	4.0	12.6	25.2
03-04-2023	14	3.0	5.0	5.0	64.0	192.0	03-04-2023	15	2.5	4.0	4.0	12.6	31.5
16-04-2023	14	3.0	5.0	5.0	64.0	192.0	16-04-2023	15	2.0	4.0	4.0	12.6	25.2
16-04-2023	14	3.0	5.0	5.0	64.0	192.0	16-04-2023	15	2.5	4.0	4.0	12.6	31.5
17-04-2023	14	3.0	5.0	5.0	64.0	192.0	17-04-2023	15	2.5	4.0	4.0	12.6	31.5
17-04-2023	14	3.0	5.0	5.0	64.0	192.0	17-04-2023	15	2.5	4.0	4.0	12.6	31.5
18-04-2023	14	3.0	5.0	5.0	64.0	192.0	18-04-2023	15	2.5	4.0	4.0	12.6	31.5
18-04-2023	14	3.0	5.0	5.0	64.0	192.0	18-04-2023	15	2.5	4.0	4.0	12.6	31.5
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	4.2	4.0	4.0	12.6	52.92
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	4.1	4.0	4.0	12.6	51.66
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	1.2	4.0	4.0	12.6	15.12
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	4.2	4.0	4.0	12.6	52.92
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	4.0	4.0	4.0	12.6	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	20	4.2	5.0	5.0	12.0	50.4							
28-04-2023	20	1.2	5.0	5.0	12.0	14.4							
28-04-2023	20	4.2	5.0	5.0	12.0	50.4							

3) Rate Management: There are three options Display Chart, (Add New Fat, SNF, Rate), Update New Rates.


i) Display Chart :- In display chart you have to select one option from Cow Rate and Buffalo Rate it. After selecting cow rate you will get rate chart of cow and after selecting buffalo rate you will get rate chart of Buffalo.


— □ ×


Please Select Below

Cow Rate

▼


— □ ×

fat	snf	rate
4.0	4.0	12.6
3.0	3.0	12.0
4.0	4.0	2.3
1.2	2.3	12.5
1.2	2.1	14.5
1.2	2.1	14.5
1.2	2.3	19.5
1.2	2.3	19.5


— □ ×

fat	snf	rate
1.2	2.2	4.2
2.36	4.35	64.0
11.0	2.36	88.23
5.0	5.0	12.0
7.6	7.0	50.0
7.6	7.0	50.0

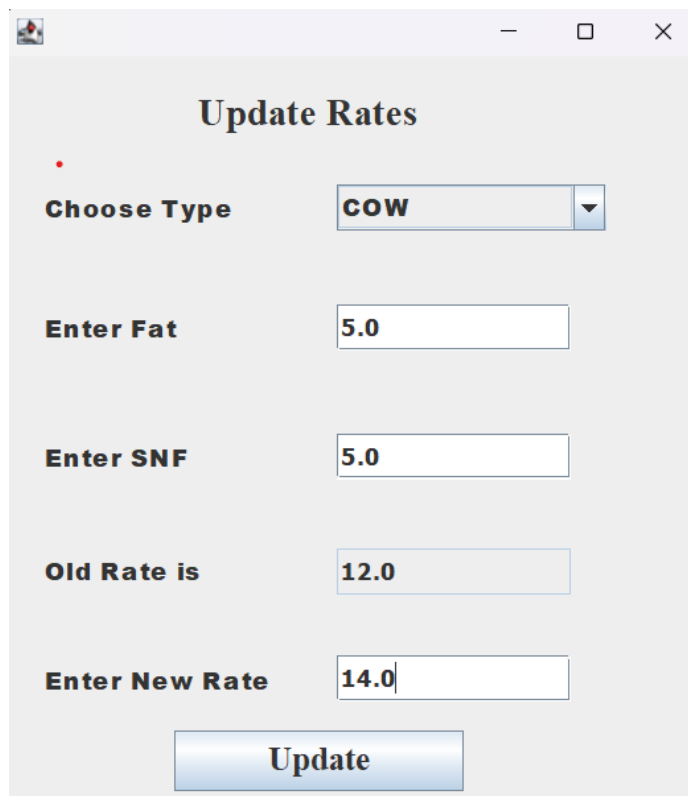
- ii) **Add New Fat, SNF and Rate:-** After clicking on add new fat SNF and rate we have to select from cow or Buffalo. After that enter the fat and SNF and read. Finally after clicking on submit button the new rate of that particular fat and SNF are added.

The screenshot shows a web application window titled "Rate Management Department". It contains a form with the following fields and values:

- Select type:** A dropdown menu with "Buffalo" selected.
- Fat:** A text input field containing "1.2".
- SNF:** A text input field containing "2.3".
- Rate:** A text input field containing "19.5".

At the bottom of the form are two buttons: "Submit" and "Clear". A small confirmation dialog box is overlaid on the form, asking "Are you sure...!" with "Yes" and "No" buttons.

- iii) **Update Rate:-** after clicking on update rate you have to select the type of animal and enter the SNF and fat after that you will get the older rate of that particular fat and SNF and now you can enter the new rate for that. Finally, after clicking on submit button the new rate are updated at the place of older rate.



Update Rates

Choose Type COW

Enter Fat 5.0

Enter SNF 5.0

Old Rate is 12.0

Enter New Rate 14.0

Update

4) Billing Department:- In billing department you can choose the milk report option. Here firstly you have to enter the from date (i.e starting date of the report) and to date (i.e ending date of the report). After that in select category you have to select any one option from ‘all member’ and ‘by one separate member’.



Display Milk Reports

Form Date 01-May-2023

to date 09-May-2023

Select Category All Members

Generate Bill

- i) All members: - By choosing all members category we can view all records of those days i.e. (from date – to date). You can also view those days total milk quantity (in litres) and amount (in Rs).

collection_date	collection_timing	member_code	member_name	type	litre	fat	snf	rate	amount
01-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
01-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.0	4.0	4.0	12.6	25.2
01-04-2023	Evening	14	Vinayak Bhagavant patil	COW	3.0	7.6	7.0	3.2	9.6
01-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	3.2	4.0	4.0	12.6	40.32
02-04-2023	Morning	14	Vinayak Bhagavant patil	COW	2.3	5.0	5.0	64.0	147.2
02-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	1.2	4.0	4.0	12.6	15.12
02-04-2023	Evening	14	Vinayak Bhagavant patil	COW	2.5	7.6	7.0	3.2	8.0
02-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
03-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
03-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.0	4.0	4.0	12.6	25.2
03-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
03-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
16-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
16-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.0	4.0	4.0	12.6	25.2
16-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
16-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
17-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
17-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
17-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
17-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
18-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
18-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
18-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
18-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.2	5.0	5.0	12.0	38.4
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.2	5.0	5.0	12.0	38.4
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	1.22	5.0	5.0	12.0	14.64
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	1.22	5.0	5.0	12.0	14.64
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	2.3	5.0	5.0	12.0	27.6
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	2.3	5.0	5.0	12.0	27.6
Total Milk		121.84		Total Amount		2968.78			

- ii) By one separate member: - By choosing by one member separate category by entering there member code and click on the generate bill button we can view all records of those days i.e. (from date – to date). You can also view those days total milk quantity (in litres) and amount (in Rs).

Enter Member Code:-
14

Vinayak Bhagavant Patil

COW

Genenerate Bill

collection_date	collection_timing	litre	fat	snf	rate	amount
01-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
01-04-2023	Morning	2.0	4.0	4.0	12.6	25.2
01-04-2023	Evening	3.0	7.6	7.0	3.2	9.6
02-04-2023	Morning	2.3	5.0	5.0	64.0	147.2
02-04-2023	Morning	1.2	4.0	4.0	12.6	15.12
02-04-2023	Evening	2.5	7.6	7.0	3.2	8.0
03-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
03-04-2023	Morning	2.0	4.0	4.0	12.6	25.2
03-04-2023	Evening	3.0	5.0	5.0	64.0	192.0
16-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
16-04-2023	Morning	2.0	4.0	4.0	12.6	25.2
16-04-2023	Evening	3.0	5.0	5.0	64.0	192.0
17-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
17-04-2023	Morning	2.5	4.0	4.0	12.6	31.5
17-04-2023	Evening	3.0	5.0	5.0	64.0	192.0
18-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
18-04-2023	Morning	2.5	4.0	4.0	12.6	31.5
18-04-2023	Evening	3.0	5.0	5.0	64.0	192.0

Total Litre
62.7

Total Amount
2244.34

6. OUTPUT REPORTS

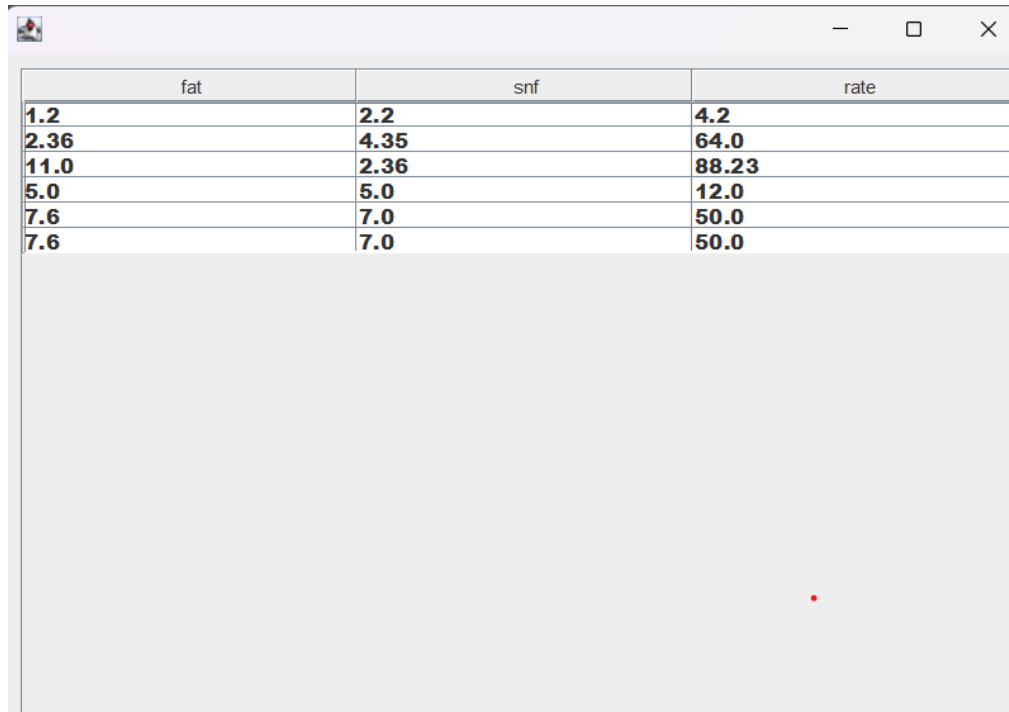
Member_Details Reports:

1. All Members :

member_code	first_name	middle_name	last_name	type
14	Vinayak	Bhagavant	Patil	COW
15	Komal	Sarjerao	Patil	BUFFALO
16	Mayur	Dattary	Panari	COW
17	Rupesh	Pandurang	Powar	BUFFALO
18	Utkarsh	Tanaji	Powar	BUFFALO
19	Sharddha	Atul	Shinde	BUFFALO
20	Mansi	Pappuraj	Shinde	COW
21	Sayali	Ravindra	Mahsavekar	COW
22	Aniket	Deepak	Chavan	COW
23	Rohit	Bhagavan	Powar	BUFFALO
24	Aditya	Rajaram	Medhe	COW
25	Vishal	Nandkumar	Patil	COW
26	Aniket	Hindurao	Shinde	COW
27	Rupesh	Pandurang	Powar	BUFFALO
30	Aniket	Hindurao	Shinde	COW

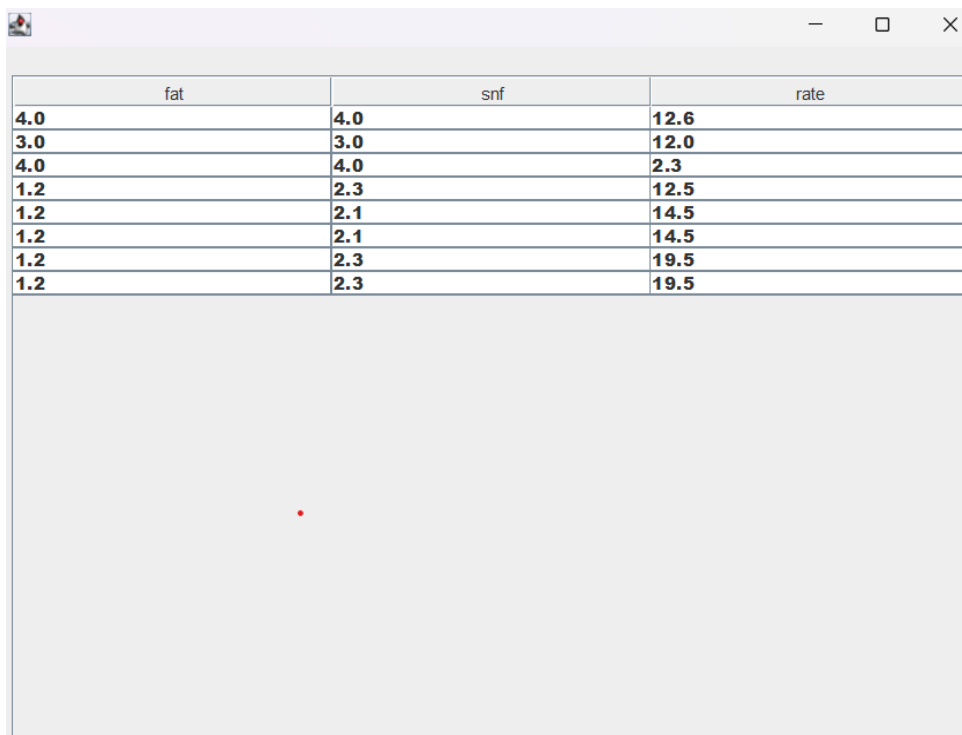
Rates Reports :

1) Cow Rate



fat	snf	rate
1.2	2.2	4.2
2.36	4.35	64.0
11.0	2.36	88.23
5.0	5.0	12.0
7.6	7.0	50.0
7.6	7.0	50.0

2) Buffalo Rate:-



fat	snf	rate
4.0	4.0	12.6
3.0	3.0	12.0
4.0	4.0	2.3
1.2	2.3	12.5
1.2	2.1	14.5
1.2	2.1	14.5
1.2	2.3	19.5
1.2	2.3	19.5

3) Collected milk :-

i) Timing wise:-

Morning Wise							Evening Wise						
collection_da..	member_co..	litre	fat	snf	rate	amount	collection_da..	member_co..	litre	fat	snf	rate	amount
01-04-2023	14	3.0	5.0	5.0	64.0	192.0	01-04-2023	14	3.0	7.6	7.0	3.2	9.6
01-04-2023	15	2.0	4.0	4.0	12.6	25.2	01-04-2023	15	3.2	4.0	4.0	12.6	40.32
02-04-2023	14	2.3	5.0	5.0	64.0	147.2	02-04-2023	14	2.5	7.6	7.0	3.2	8.0
02-04-2023	15	1.2	4.0	4.0	12.6	15.12	02-04-2023	15	2.5	4.0	4.0	12.6	31.5
03-04-2023	14	3.0	5.0	5.0	64.0	192.0	03-04-2023	14	3.0	5.0	5.0	64.0	192.0
03-04-2023	15	2.0	4.0	4.0	12.6	25.2	03-04-2023	15	2.5	4.0	4.0	12.6	31.5
16-04-2023	14	3.0	5.0	5.0	64.0	192.0	16-04-2023	14	3.0	5.0	5.0	64.0	192.0
16-04-2023	15	2.0	4.0	4.0	12.6	25.2	16-04-2023	15	2.5	4.0	4.0	12.6	31.5
17-04-2023	14	3.0	5.0	5.0	64.0	192.0	17-04-2023	14	3.0	5.0	5.0	64.0	192.0
17-04-2023	15	2.5	4.0	4.0	12.6	31.5	17-04-2023	15	2.5	4.0	4.0	12.6	31.5
18-04-2023	14	3.0	5.0	5.0	64.0	192.0	18-04-2023	14	3.0	5.0	5.0	64.0	192.0
18-04-2023	15	2.5	4.0	4.0	12.6	31.5	18-04-2023	15	2.5	4.0	4.0	12.6	31.5
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	4.1	4.0	4.0	12.6	51.66
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	1.2	4.0	4.0	12.6	15.12
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	4.2	4.0	4.0	12.6	52.92
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	20	4.2	5.0	5.0	12.0	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	20	4.2	5.0	5.0	12.0	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	4.0	4.0	4.0	12.6	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	15	2.3	4.0	4.0	12.6	28.98							
28-04-2023	15	4.2	4.0	4.0	12.6	52.92							
28-04-2023	20	1.2	5.0	5.0	12.0	14.4							

ii)Type wise:-

COW							BUFFALO						
collection_date	member_co...	litre	fat	snf	rate	amount	collection_da..	member_co...	litre	fat	snf	rate	amount
01-04-2023	14	3.0	5.0	5.0	64.0	192.0	01-04-2023	15	2.0	4.0	4.0	12.6	25.2
01-04-2023	14	3.0	7.6	7.0	3.2	9.6	01-04-2023	15	3.2	4.0	4.0	12.6	40.32
02-04-2023	14	2.3	5.0	5.0	64.0	147.2	02-04-2023	15	1.2	4.0	4.0	12.6	15.12
02-04-2023	14	2.5	7.6	7.0	3.2	8.0	02-04-2023	15	2.5	4.0	4.0	12.6	31.5
03-04-2023	14	3.0	5.0	5.0	64.0	192.0	03-04-2023	15	2.0	4.0	4.0	12.6	25.2
03-04-2023	14	3.0	5.0	5.0	64.0	192.0	03-04-2023	15	2.5	4.0	4.0	12.6	31.5
16-04-2023	14	3.0	5.0	5.0	64.0	192.0	16-04-2023	15	2.0	4.0	4.0	12.6	25.2
16-04-2023	14	3.0	5.0	5.0	64.0	192.0	16-04-2023	15	2.5	4.0	4.0	12.6	31.5
17-04-2023	14	3.0	5.0	5.0	64.0	192.0	17-04-2023	15	2.5	4.0	4.0	12.6	31.5
17-04-2023	14	3.0	5.0	5.0	64.0	192.0	17-04-2023	15	2.5	4.0	4.0	12.6	31.5
18-04-2023	14	3.0	5.0	5.0	64.0	192.0	18-04-2023	15	2.5	4.0	4.0	12.6	31.5
18-04-2023	14	3.0	5.0	5.0	64.0	192.0	18-04-2023	15	2.5	4.0	4.0	12.6	31.5
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	3.2	5.0	5.0	12.0	38.4	28-04-2023	15	4.2	4.0	4.0	12.6	52.92
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	4.1	4.0	4.0	12.6	51.66
28-04-2023	14	1.22	5.0	5.0	12.0	14.64	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	1.2	4.0	4.0	12.6	15.12
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	4.2	4.0	4.0	12.6	52.92
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	4.0	4.0	4.0	12.6	50.4
28-04-2023	14	2.3	5.0	5.0	12.0	27.6	28-04-2023	15	2.3	4.0	4.0	12.6	28.98
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	14	2.3	5.0	5.0	12.0	27.6							
28-04-2023	20	4.2	5.0	5.0	12.0	50.4							
28-04-2023	20	1.2	5.0	5.0	12.0	14.4							
28-04-2023	20	4.2	5.0	5.0	12.0	50.4							

4)Milk Report:-

i)All members:-

collection_date	collection_timing	member_code	member_name	type	litre	fat	snf	rate	amount
01-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
01-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.0	4.0	4.0	12.6	25.2
01-04-2023	Evening	14	Vinayak Bhagavant patil	COW	3.0	7.6	7.0	3.2	9.6
01-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	3.2	4.0	4.0	12.6	40.32
02-04-2023	Morning	14	Vinayak Bhagavant patil	COW	2.3	5.0	5.0	64.0	147.2
02-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	1.2	4.0	4.0	12.6	15.12
02-04-2023	Evening	14	Vinayak Bhagavant patil	COW	2.5	7.6	7.0	3.2	8.0
02-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
03-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
03-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.0	4.0	4.0	12.6	25.2
03-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
03-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
16-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
16-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.0	4.0	4.0	12.6	25.2
16-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
16-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
17-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
17-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
17-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
17-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
18-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
18-04-2023	Morning	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
18-04-2023	Evening	14	Vinayak Bhagavant Patil	COW	3.0	5.0	5.0	64.0	192.0
18-04-2023	Evening	15	Komal Sarjerao patil	BUFFALO	2.5	4.0	4.0	12.6	31.5
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.2	5.0	5.0	12.0	38.4
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	3.2	5.0	5.0	12.0	38.4
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	1.22	5.0	5.0	12.0	14.64
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	1.22	5.0	5.0	12.0	14.64
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	2.3	5.0	5.0	12.0	27.6
28-04-2023	Morning	14	Vinayak Bhagavant Patil	COW	2.3	5.0	5.0	12.0	27.6
Total Milk		121.84		Total Amount		2968.78			

ii) By one separate member:-

Enter Member Code:-

14

Vinayak Bhagavant Patil

COW

Genenerate Bill

collection_date	collection_timing	litre	fat	snf	rate	amount
01-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
01-04-2023	Morning	2.0	4.0	4.0	12.6	25.2
01-04-2023	Evening	3.0	7.6	7.0	3.2	9.6
02-04-2023	Morning	2.3	5.0	5.0	64.0	147.2
02-04-2023	Morning	1.2	4.0	4.0	12.6	15.12
02-04-2023	Evening	2.5	7.6	7.0	3.2	8.0
03-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
03-04-2023	Morning	2.0	4.0	4.0	12.6	25.2
03-04-2023	Evening	3.0	5.0	5.0	64.0	192.0
16-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
16-04-2023	Morning	2.0	4.0	4.0	12.6	25.2
16-04-2023	Evening	3.0	5.0	5.0	64.0	192.0
17-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
17-04-2023	Morning	2.5	4.0	4.0	12.6	31.5
17-04-2023	Evening	3.0	5.0	5.0	64.0	192.0
18-04-2023	Morning	3.0	5.0	5.0	64.0	192.0
18-04-2023	Morning	2.5	4.0	4.0	12.6	31.5
18-04-2023	Evening	3.0	5.0	5.0	64.0	192.0

Total Litre

62.7

Total Amount

2244.34

7. Conclusion

- **Conclusion :**

- The 'Dairy Management System' simplifies the management process and reduces human efforts.
- The 'Dairy Management System' is useful to store all records properly.
- System is easy to handle and the functions provided by 'Dairy Management System' are easily understandable so anyone can handle this software.
- The 'Dairy Management System' is user friendly as it provides quick access to all the records, fast processing, immediate results with high accuracy and data security.

8. Bibliography

i) Web sites:-

- www.google.com
- www.javatpoint.com
- www.stackoverflow.com
- www.youtube.com

ii) Reference Book:-

- **Core and Advanced Java, Black Book-dreamtech**