

A
PROJECT REPORT
ON
“Dairy Milk
MANAGEMENT SYSTEM”

FOR



Arts, Commerce & Science College, Sonai



SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY,PUNE

BY

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**IN PARTIAL FULLFILLMENT OF BACHELOR OF COMPUTER
APPLICATIONS**

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ACKNOWLEDGEMENT

At every outset we express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not done this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to my project guide, for his constant motivation and valuable help through the project work. Express my gratitude to **Dr.Laware S.L.(Principal)** and **Prof.Admane.S(H.O.D.)** of **Arts, Commerce & Science College,Sonai** for her valuable suggestions and advices throughout the **B.B.A(CA)**course. We also extend my thanks to other faculties for their Cooperation during my Course.

Finally we would like to thank my friends for their cooperation to complete this project.

Mr. Kadam Mayur Bapusaheb
Mr. Gunjal Akash Annasaheb

DECLARATION

We hereby declare that the project work entitled, “**Dairy Milk Management System**” submitted under the guidance of **Mr.S.K.Doifode** is our original work completed under the four walls of our institute.

The Report submitted is our own work and has not been duplicated from any other source. We shall be responsible for any unpleasurmoment/situation.




Mr.Kadam Mayur Bapusaheb
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NAAC REACCREDITED 'A' GRADE and ISO 9001 : 2008 CERTIFIED

CERTIFICATE

This is to certify that **Mr.Kadam Mayur Bapusaheb & Mr. Gunjal Akash Annasaheb** are bonafide students of **Arts, Commerce and Science College, Sonai** have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University, Pune in the partial fulfillment of the requirement of Third Year, Bachelor Of Business Administration (Computer Application). Program for the academic year **2020-2021**.

The Project Work titled as "**Dairy Milk Management System**".

Mr.S.K.Doifode

Project Guide

External Examiner

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H.O.D.

Internal Examiner

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Introduction

The mission of the Milk Production House Project is to create to communication between rural area people and dairy management. Our main goal to develop this application to encourage a dairy industry.DAIRY MILK MANAGEMENT SYSTEM is a software application to maintain day to day transactions in a Milk Distributor Office. This software help to register all the suppliers, Buyer details, purchase, Sales details etc.,

The project entitled DAIRY MILK MANAGEMENT SYSTEM is a pilot project for new Milk Distributor to be start soon in the city. The management planned this Milk Distribution center to operate on the next month. They have a big plan to collect the Milks from many different sources and distribute the same for the Milk buyers. To manage all these they require a full-fledged software which will take care all this

Existing System and need for Proposed System

Existing System: -

- The existing system was consisting of the manual work which was written by hand on the paper. All the record are maintained manually.
- Limitation of dairy management system
- Require Light Connection
- Computer must require
- Reduction

Need of the proposed system

- 1 To keep the Milk dairy record accurate for long years.
- 2 The proposed system help in reducing the paper work up to the large extent.
- 3 All important data is maintained.
- 4 Data accuracy.
- 5 Fast and reliable information distribution

Scope of the Work

This application is built such a way that it should suits for all type of Milk Distributors in future. So every effort is taken to implement this project in this Milk Distributor Office, on successful implementation in this Milk Distributor Office, we can target other Milk Distributors in the city.

Milk Dairy Management System Project Codes and Scripts Downloads Free.

Pre Business Management System is consists of complete Customer Relationship Management System. Milk dairy management system project is a software application useful for dairy forms for managing

Operating Environment-H/W, S/W

Minimum Software Requirements:

Software is the collection of programs. For running of the system Software is needed.

Operating System Software : Windows 7/xp

Software : Microsoft Visual Studio 2008

Documentation : MS Office

Minimum Hardware Requirement:

Physical requirement i.e. Monitor, CPU, Mouse, Printer etc. are called as Hardware requirements.

- RAM : 512 MB
- Hard Disk : Minimum 160 GB
- Printer : Dot Matrix printer
- Keyboard : Standard 102-key Keyboard
- Display type : Standard VGA Monitor.

Need for Proposed System: -

The need for computerized system in our 21st century. A computer is needed in every field in everywhere and it is the fact that the computerized system is much better than existing system. (Manual system) In this system less time required. There is no risk of lost of details. Also the data feeding and updating is easy. Previously it was the job of more people at different departments. But by using this system all above problems are overcome. Only few persons are required to operate computerized system.

Advantages Of Computerization: -

The computerized system is very useful because of following points

1) Economy: -

These systems can analysis the data at the lower cost than the manual system.

2) Speed: -

Computers work at a very high speed.

3) Accuracy: -

Accurate result can achieve. Result of report generation is very accurate.

4) Security: -

As the data stores in magnetic device such as hard disc and floppy disc.

5) Reliability: -

As the data is saved one can add, modify and delete when required. Machine is always reliable the human.

FEASIBILITY STUDY

INTRODUCTION:

This is always essential to evaluate the various aspects before we develop the system. Evaluation should always. Justify the cost and benefit ratio. It is found that benefits are less as compared to the cost of avoided going in for computerization.

Feasibility project is justify by: -

1. Economical feasibility.
2. Technical Feasibility.
3. Social and Operational feasibility.
4. Behavioral feasibility.

ECONOMICAL FEASIBILITY: -

This also called as COST BENEFIT ANALYSIS. Cost and benefit analysis gives us for computerization, the cost will reduce in some aspects and respective increase in not as much as compared to reduction computerization will reduce the requirement staff. It will also reduce the cost of non-reusable stationary; the computer stationary will replace the various types of bills and registers.

TECHNICAL FEASIBILITY: -

In this type of feasibility we have to see that whatever existing system in the organization supports the computerized systems or not.

In other words, is the computerized system working same as that of the existing system?

The computerized system may not create any problem, if any problem regarding to the system occurs, then the manner can contact to the software consultancy firm, so that they can remove the problems or bugs.

The system can also be expanded if the need arises. There are technical guarantees of accuracy reliability and easy to access of data and data security.

SOCIAL AND OPERATIONAL FEASIBILITY: -

As the new system involve less persons the confusion arising in the process, the time lagged, the labor and other cost are reduced.

Operating with records in both situations in quite different. Manual system was also disliked, because of completion and other hassles involve maintaining records. After computerization it becomes the job of single operator with no risk involved on posting and report generation. Speed of the operator is also increased substantial.

BEHAVIORAL FEASIBILITY: -

As computer do the job of many people, less number of peoples required. Replacing the existing system with the computerized system will not affect the job employment of the existing employee as the employee can be shifted to other departments. For this reason the current staff does not oppose the computerized system. Users should be trained through courses, so they will become familiar to the system and operate the. System easily

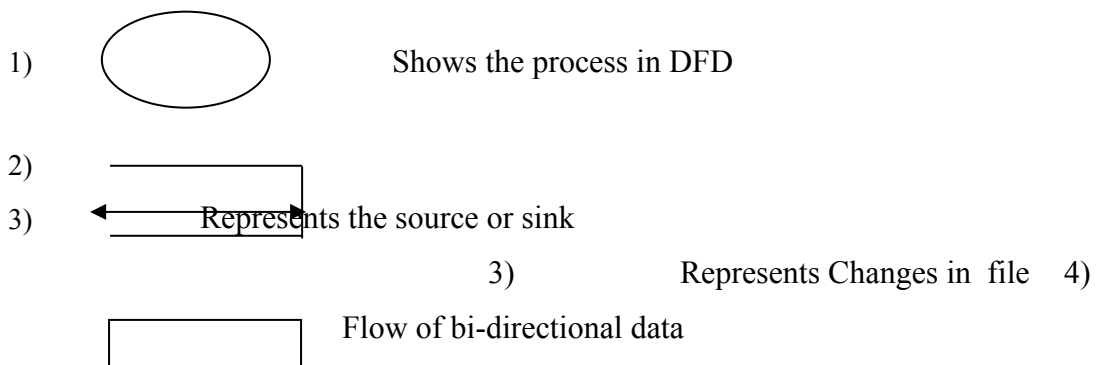
SYSTEM ANALYSIS

Data Objects: - A data object of almost any composite information that can be understood by software. Composite information means something that has a different number of different properties or attributes.

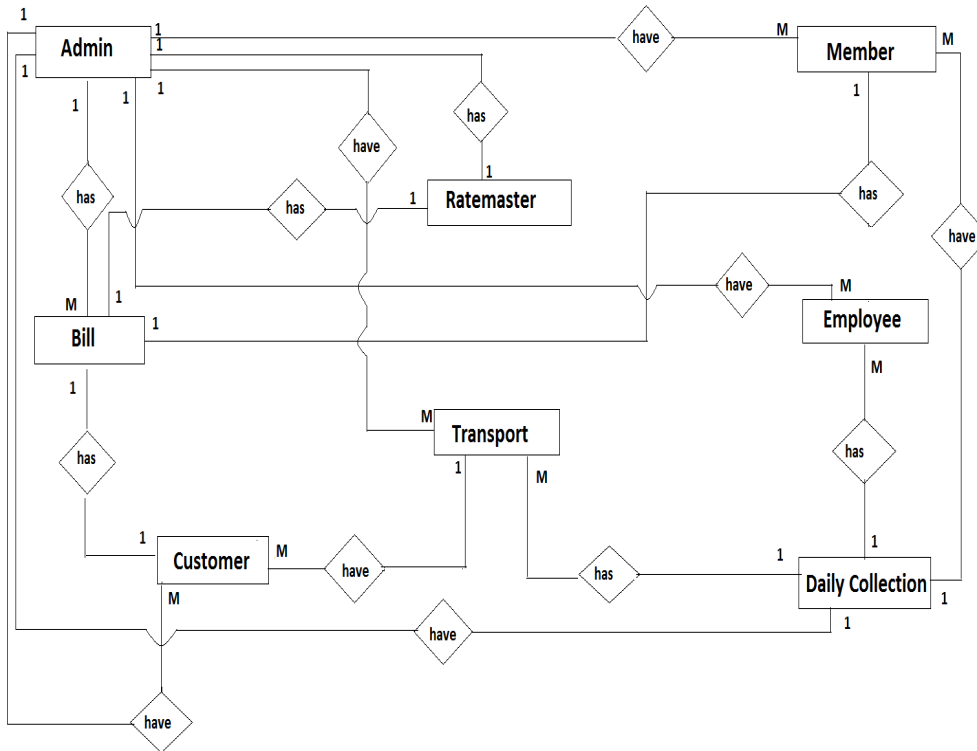
A data object can be external entity defines in terms of set of attributes. The data object description incorporates the data object and all its attributes. Data objects are related to one another and encapsulate data only; there is no reference to operation that act on the data

E-R Diagrams: - E-R diagrams can express the overall logical structure of a database graphically. The E-R model is one of the several semantic data model. The semantic aspect of data model lies in attempt to mapping the meaning and interaction of real world enterprises into conceptual scheme.

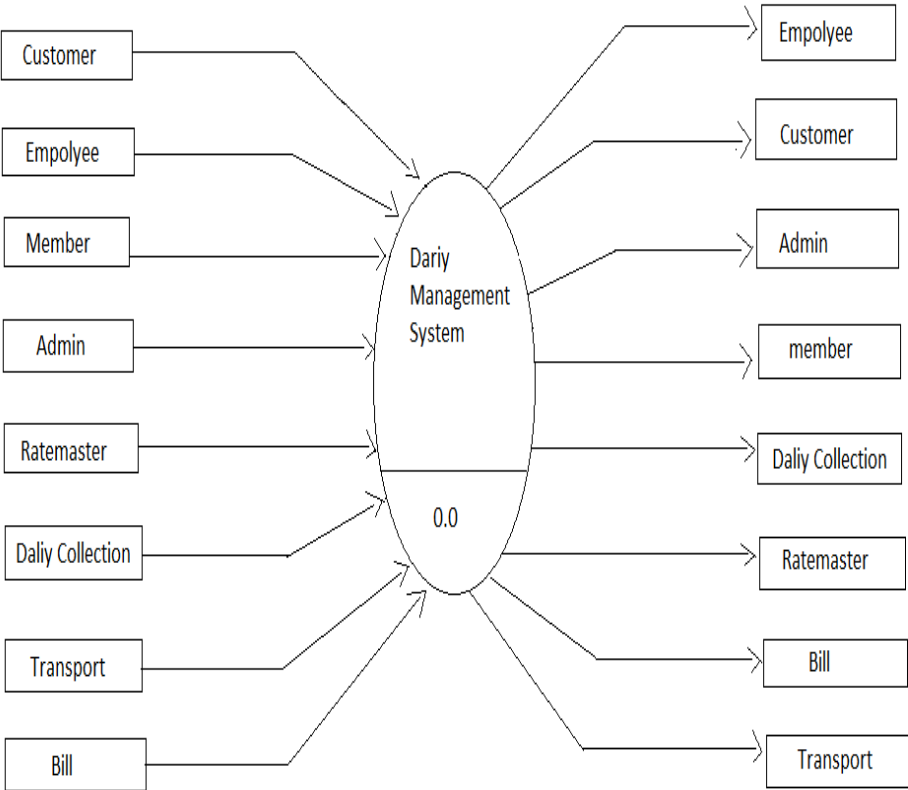
Data Flow Diagrams: - A DFD is a graphical technique that depicts information flow and transforms the data that moves from input to output. The DFD is also known as Data Flow Graf or Bubble Chart.

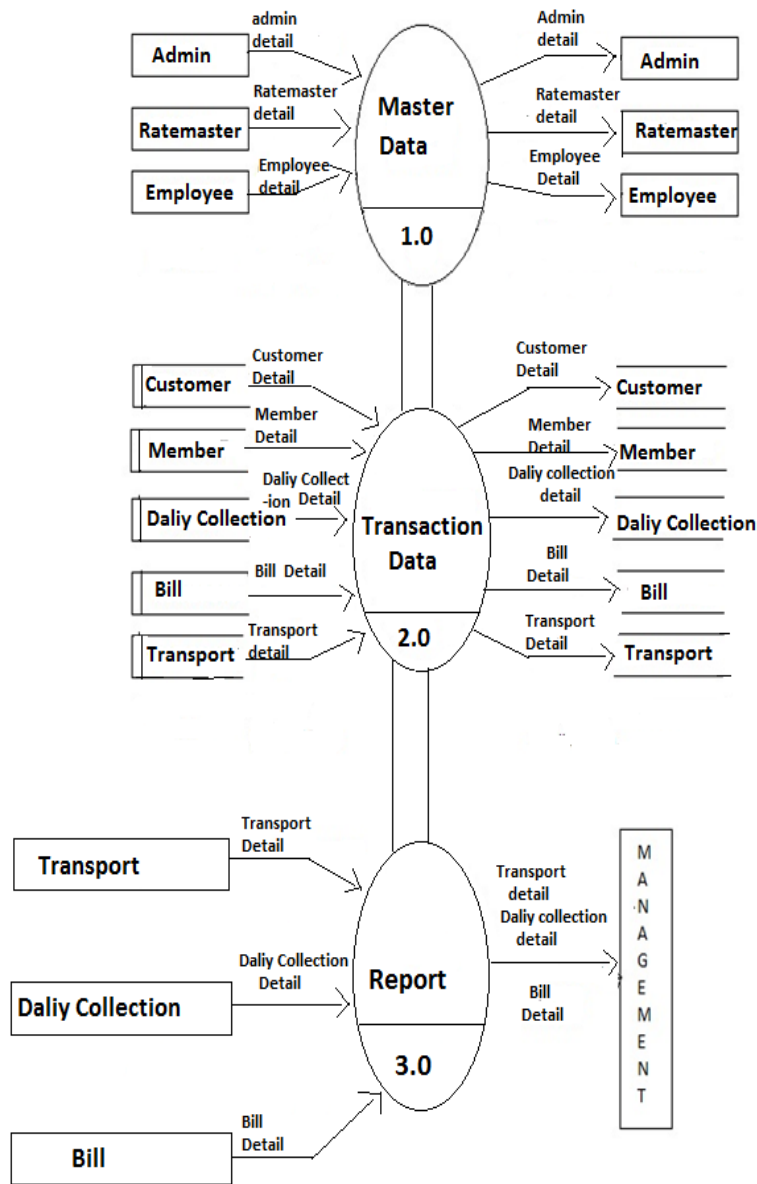


ERD:



Context Level Digram:





SYSTEM DESIGN

Database Normalization: -

The Normalization is the most essential part as per the database management system is concerning that it is nothing but the simplest form between the relation data and entity. The main considerable function of the Normalization is the data redundancy.

The process known, as Normalization is the technique used to group that attributes in several ways

that eliminates these types of problems. More specifically the goals of Normalization are to minimize redundancy and functional dependency occurs when the value of one attribute can be determined from the value of another attribute. By definition all non-key attribute will be functional dependent on the primary key in every relation.

If we denormalise the tables we will face the problem of data redundancy which will result in data inconsistency.

So to overcome these problems Normalization process is must for future convenience. Thus we have tried our level best to normalize the data to overcome these problems.

Table Design: -This module is consisting the different tables that are being utilized by the system. All the tables are normalized up to third normal form. Their requirements of all the users sure taken into consider deciding the actual data that needs to be stored in the system. While designing the database records for the system proper care has been taken for not allowing the duplicate records and unnecessary redundancy of data.

1] Table Name:-ADMIN

<i>FIELDS</i>	<i>TYPE</i>	<i>Constraints</i>
ID	Number	Primary Key
NAME	TEXT	-
GENDER	TEXT	-
ADDRSS	TEXT	-
CONTACT	TEXT	-
EMAIL	TEXT	-

This table is used for storing information about the Admin Detail.

2] Table Name:-MEMBER

FIELDS	TYPE	Constraints
ID	NUMBER	Primary Key
MNAME	TEXT	
GENDER	TEXT	
ADDRESS	TEXT	
CONTACT	NUMBER	

This table is used for storing information about the Member Table

3] Table Name:-Daily Collection

FIELDS	TYPE	Constraints
ID	NUMBER	Primary Key
MID	NUMBER	
MNAME	TEXT	
SHIP	TEXT	
MILKTYPE	TEXT	
LITER	TEXT	
FAT	TEXT	
RATE	TEXT	
SNF	TEXT	
LITER2	TEXT	
FAT2	TEXT	
SNF2	TEXT	
RATE2	TEXT	
TOTALAMOUNT	TEXT	

This table is used for storing information about the Dailycollection Table

4] Table Name:-CUSTOMER

FIELDS	Type	Constraints
CID	NUMBER	PRIMARY KEY
CNAME	TEXT	-
CGENDER	TEXT	-
CADDRESS	TEXT	-
CCONTACT	TEXT	-

This table is used for storing information about the Customer detail.

5] Table Name:-TRANSPORT

FIELDS	TYPE	Constraints
ID	NUMBER	PAIMARY KEY
CNAME	TEXT	
PLACE	TEXT	
MOBILENO	TEXT	
STOCK	TEXT	
SCHEDULE	TEXT	
TO	TEXT	
VECHILE	TEXT	
VECHILENO	TEXT	
DRIVERNAME	TEXT	
DRIVERMONO	NUMBER	

This table is used for storing information about the Transport Details.

6] Table Name:-EMPLOYEE

FIELDS	TYPE	Constraints
EID	NUMBER	PRIMARY KEY
ENAME	TEXT	
EADDRESS	TEXT	
EGENDER	TEXT	
ECONTACT	TEXT	
JOININGDATE	TEXT	
DESIGNATION	TEXT	
SALRY	TEXT	
ADHARNO	TEXT	
EXPRIANCE	TEXT	

This table is used for storing information about the Employee Details

7] Table Name:-RATEMASTER

FIELDS	TYPE	Constraints
ID	NUMBER	PRIMARY KEY
FAT	TEXT	
RATE	TEXT	

This table is used for storing information about the Cow Milk Ratemaster Details.

8|Table Name:-RATEMASTER

FIELDS	TYPE	Constraints
ID	NUMBER	PRIMARY KEY
FAT	TEXT	
RATE	TEXT	

This table is used for storing information about the Buffello Milk Ratemaster details

INPUT/OUTPUT SCREENS

LOGIN

The screenshot displays the Microsoft Visual Basic IDE with the following components:

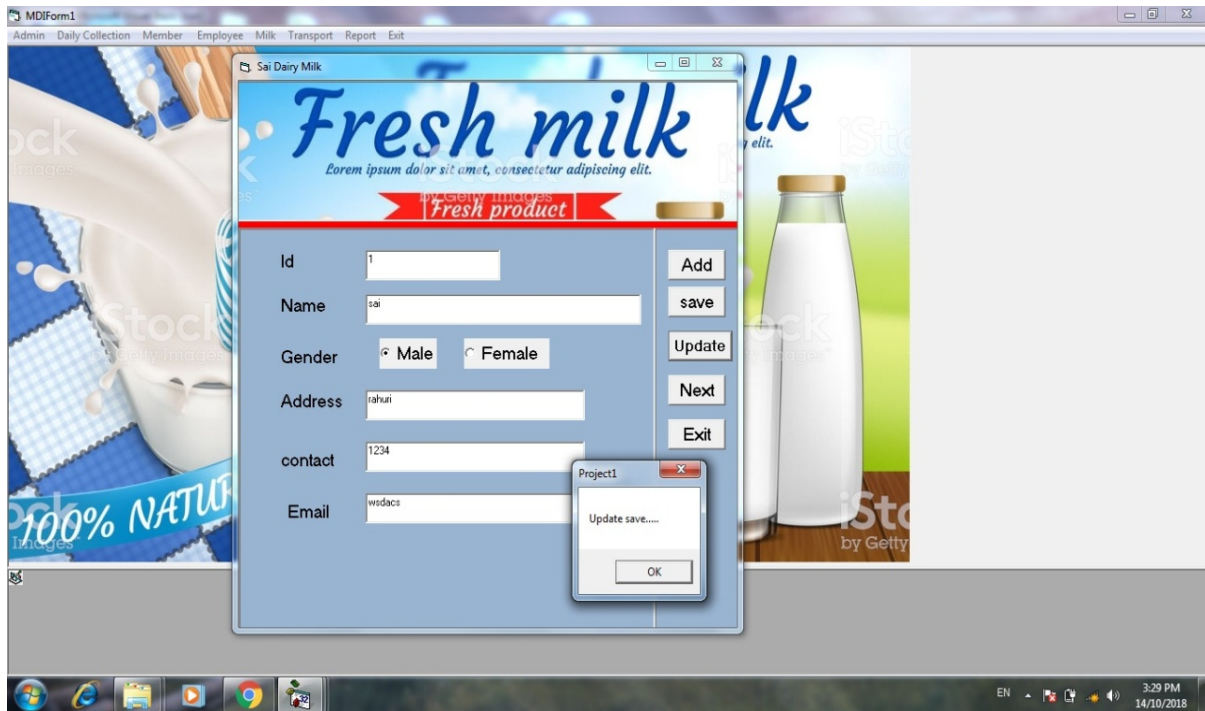
- Code Editor:** Contains the following VBA code for the MDIForm1 class:

```
Private Sub ex_Click()  
Unload Me  
End Sub  
  
Private Sub mdd_Click()  
frmMember.Show  
End Sub  
  
Private Sub mr_Click()  
frmratemaster.Show  
End Sub  
  
Private Sub mred_Click()  
rptMember.Show  
End Sub  
  
Private Sub rdb_Click()  
frmEmployee.Show  
End Sub  
  
Private Sub tr_Click()  
rptTransport.Show  
End Sub  
  
Private Sub transpo_Click()  
frmtransport.Show  
End Sub
```
- Project Explorer:** Shows the project structure for 'Milkmgmt (Project1.vbp)'. The 'Forms' folder contains:
 - frmAdmin (frmAdmin.frm)
 - frmBill (frmBill.frm)
 - frmCustomer (frmCustomer.frm)
 - frmDaily (frmDaily.frm)
 - frmEmployee (frmEmployee.frm)
 - frmLogin (frmLogin.frm)
 - frmMember (frmMember.frm)
 - frmratemaster (frmratemaster.frm)
 - frmtransport (frmtransport.frm)
 - MDIForm1 (MDIForm1.frm)
- Designers:** Shows data sources for 'DailyColl (DailyColl.Dsr)', 'DataEnvironment1 (DataEnvironme...)', 'rptMember (rptMember)', and 'rptTransport (rptTransport.Dsr)'.
- Immediate Window:** Currently empty.
- Modal Login Dialog:** A 'Login' dialog box is overlaid on the code editor. It features:
 - 'User Name:' label and text box.
 - 'Password:' label and password text box (characters are masked with dots).
 - 'OK' and 'Cancel' buttons.

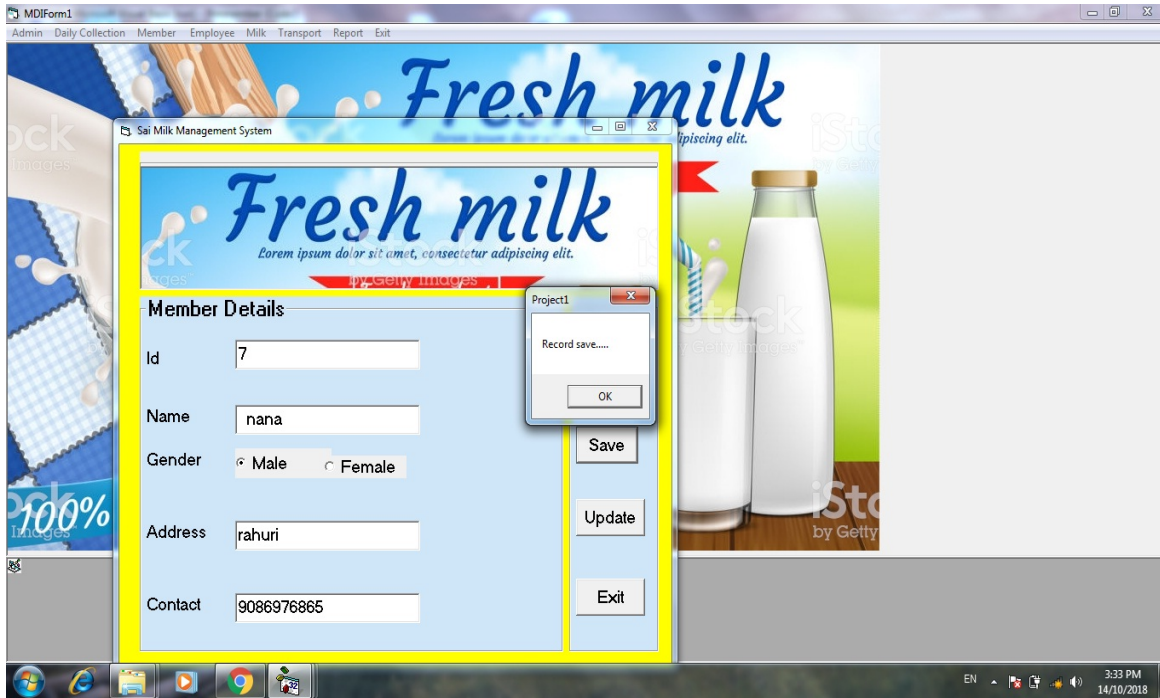
MDI



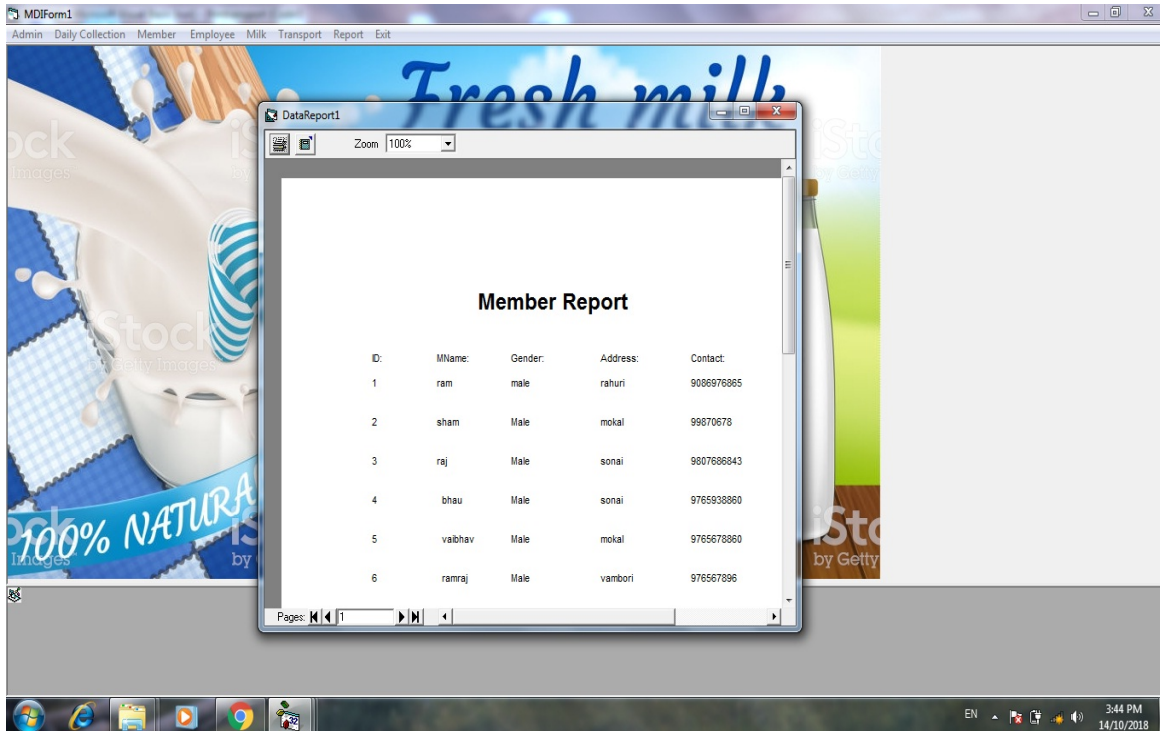
ADMIN DETAILS



MEMBER DETAILS



MEMBER REPORT DETAILS



EMPLOYEE DETAILS

MDIForm1
Admin Daily Collection Member Employee Milk Transport Report Exit

Sai Milk Management System

Fresh milk
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Fresh product

Employee Details

ID	3	Joining Date	22/08/2018	Add
Name	Ram	Designation	basic	Save
Address	sonai	salary	10000	Update
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female	Adhar No	323243	Exit
Contact No	98623673	Expriance	2	

Project1
Record save.....
OK

3:37 PM
14/10/2018

DAILY COLLECTION

MDIForm1
Admin Daily Collection Member Employee Milk Transport Report Exit

Sai Milk Management System

Fresh milk
Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Member Details

ID	7	Date		Add
ID	2			Edit
Name	sham			save

Milk Details

Ship	Evening			Exit
Milk Type				
Cow				
Liters	56	Liter	00	
Fat	2.7	Fat		
Rate	19.40	Rate	00	
Total	1086.4	Total	0	
		Total Amount	1086.4	

Project1
Record Save.....
OK

3:31 PM
14/10/2018

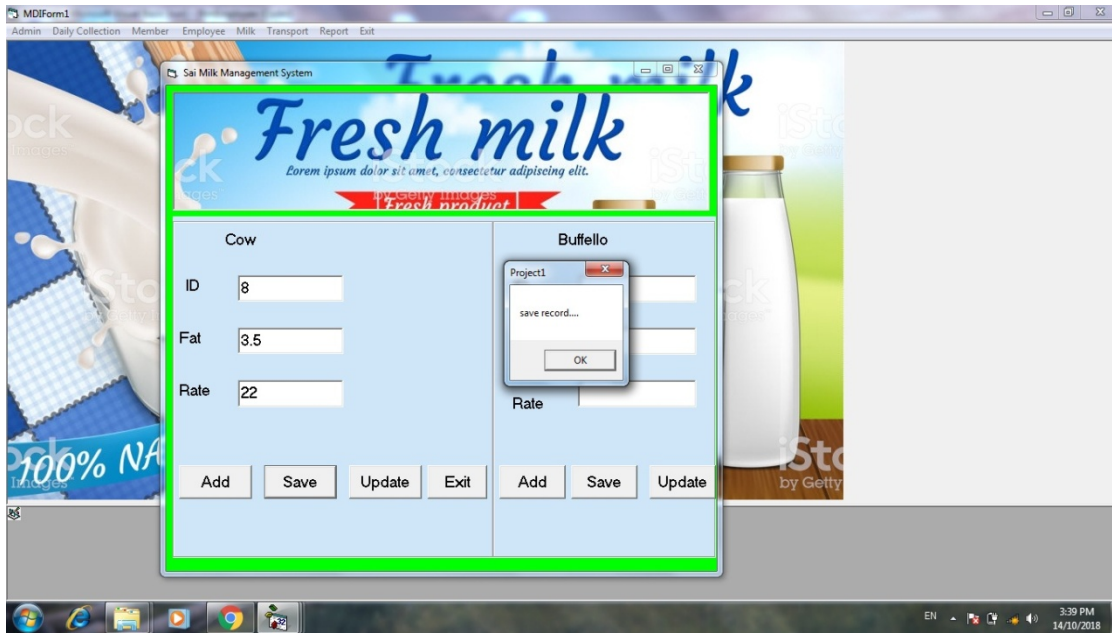
DAILY COLLECTION REPORT

The screenshot shows a software application window titled 'MDForm1' with a menu bar containing 'Admin', 'Daily Collection', 'Member', 'Employee', 'Milk', 'Transport', 'Report', and 'Exit'. The main background features a 'Fresh milk' banner with a milk splash and a '100% NATURAL' label. A 'Daily Collection' report window is open in the foreground, displaying a table with the following data:

ID:	mname:	ship:	milk:	liter:	fat:	rate:	snf:	liter2:	fat2:	2rate:	snf2:	total:
1	ram	morni	cow	140	3.5	20	8.5	56	4.0	30	8.9	20000
2	sham	morni	234	2.5	22	8.5					2345	Label
3	raj	morni	cow	387	3.8	67	9.8	7878	3.0	45	8.0	4555
4	bhau	morni	cow	787	4.5	78	7.8	5678	9.8	6777	87	56787
5	valbhav	eveni	cow	987	4.5	765	8.5	687987	98	9808	789	9808

The report window includes a 'Zoom: 100%' dropdown and a 'Pages: 1' indicator at the bottom. The system tray at the bottom right shows the date and time as 3:45 PM on 14/10/2018.

RATE DETAILS



TRANSPORT DETAILS

The screenshot displays a web browser window with the title 'MDIForm1'. The main menu includes 'Admin', 'Daily Collection', 'Member', 'Employee', 'Milk', 'Transport', 'Report', and 'Exit'. A modal window titled 'Sai Milk Management System' is open, showing a 'Fresh milk' banner with the text 'Lorem ipsum dolor sit amet, consectetur adipiscing elit.' Below the banner is the 'Transport Details' form. The form contains the following fields and values:

Field	Value
Company Name	3
Place	sonai
Mobile No	98237283
Stock	40000
Schedule	11 To 12
Vechile	Track
Vechile no	1150
Driver Name	ram
Driver Mo No	2323235445

At the bottom of the form are four buttons: 'Clear', 'Save', 'Update', and 'Exit'. The Windows taskbar at the bottom shows the system time as 3:43 PM on 14/10/2018.

TRANSPORT REPORT DETAILS

MDIForm1
Admin Daily Collection Member Employee Milk Transport Report Exit

Fresh milk

>Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Transport Report

ID	CName	Place	Mobile no.	Schedule	To	Vehicle	Driver	Driver mo no.
1	raj	sonal	99802234	11	8	truck	rajesh	78889689
2	rdrt	tdft	8787890	9878	987	truck	ram	98765456
3	dfg	dfg	56789	567	56	truck	sham	45678
4	ryu	ryui	456789	5	5	truck	rajesh	4567
5	erty	erty	45678	6	7	truck	sandy	45678

Pages: 1

3:45 PM 14/10/2018

CUSTOMER DETAILS

MDIForm1
Admin Daily Collection Customer Member Employee Milk Transport Report Exit

Fresh milk

>Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Customer Details

Id:

Name:

Gender: Male Female

Address:

Contact:

Buttons: Add, Save, Update, Exit

Project1 dialog: Update save... OK

4:14 PM 14-Oct-18

“ CONCLUSION”

This system will make daily transaction in short time and report generate easily & correct which was so complicated in previous manual system because everything had to be carried out manually.

This system is easy to understand and operates and also user friendly.

All the difficulties of system have been removed. The user can get all the information he wants as it can help himself and he is guided throw with all the information. Also less time is required for the processing.

Future Enhancement

Small Wonder Pre Primary School project have some future enhancements such as:

- Will try to embed biometric system
- More data accuracy
- Report generation make easier