Bangabandhu Sheikh Mujibur Rahman Digital University Department of ICT

Faculty of Engineering

Program IOT

Course Title: Database Management System Lab

Course Code: ICT 4254

Project Report

Topic- Dairy Management System

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ABSTRACT

Milk Dairy Management System is developed using PHP and MySQL. This web based on application works as a simple Dairy Software to maintain daily milk record by registered account members and maintain reports. The Project is based on the concept of managing dairy products and their records. Design of this is so simple that the user won't find difficulties while working on it. Milk Dairy Management System project helps the user for easy management of transaction activities.

This web application helps to register all the suppliers, Buyer details, purchase, Sales details etc. This project deals with the management of milk it deals with the purchase and sale of milk by making records in the database.

ACKNOWLEDGEMENT

Chapter-1

1.Introduction

The Dairy Management System is designed to manage dairy, members, customers, milk collections from members, sales to the customer and plant and all the dairy related processes. The Dairy Management System provides rate card features to collection managers so they can collect milk of different fat with proper cost.

1.1 PROJECT AIMS AND OBJECTIVES

The project aims and objectives that will be achieved after completion of this project are discussed in this subchapter. The aims and objectives are as follows:
- To automate the complete operations of the Dairy Distributors office.
- To bring ease between each dairy managers and the system admin.
- To maintain hundreds of thousands of records easily and accurately.

➢ To search required data very fast and instantly.

1.2 BACKGROUND OF PROJECT

The Dairy Management System is a comprehensive approach to manage the Dairy products collection, making payments, adding rate cards and managing expenses under one roof. The users of the Dairy Management System can also manage employees and payroll. It is a beautifully designed and developed solution for Dairy owners like us to manage all our business processes from a single app. This is a subscription-based service developed with the purpose of helping the dairy owners mitigate their losses and increase their productivity.

1.3 OPERATION ENVIRONMENT

PROCESSOR	INTEL CORE PROCESSOR OR BETTER PERFORMANCE
OPERATING SYSTEM	WINDOWS VISTA, WINDOWS7,8.10,11 UBUNTU
MEMORY	1GB RAM OR MORE
HARD DISK SPACE	MINIMUM 3 GB FOR DATABASE USAGE FOR FUTURE
DATABASE	MY SQL

Chapter-2

2. System Analysis

2.1 SOFTWARE REQUIREMENT SPECIFICATION

GENERAL DESCRIPTION:
The dairy management system combines all the processes and activities into a single system. Once registered with a unique dairy code, the dairy owner has the capacity to manage members, milk collection, sales of cattle feed and user accounts etc. Additionally, features like rate chart, reports etc. also make the task of managing the above processes smooth and convenient.

PROBLEM STATEMENT:

The problem occurred before having computerized system includes:
➢ **File lost:**
   When computerized system is not implemented file is always lost because of human environment. Sometimes due to some human error there may be a loss of records.

➢ **File damaged:**

When a computerized system is not their file is always lost due to some accident like spilling of water by some member on file accidentally. Besides some natural disaster like floods or fires may also damage the files.

> **Difficult to search record:**
> When there is no computerized system there is always a difficulty in searching of records if the records are large in number.

> **Space consuming:**
> After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.

> **Cost consuming:**
> As there is no computerized system the to add each record paper will be needed which will increase the cost for the management of dairy.

2.2 SYSTEM OBJECTIVES

> **Improvement in control and performance:**
> The system is developed to cope up with the current issues and problems of a dairy. The system can add user, validate user and is also bug free.

> **Save cost:**
> After computerized system is implemented less human force will be required to maintain the dairy thus reducing the overall cost.

> **Save time:**
> Owner can search record by using few clicks of mouse and few search keywords thus saving his valuable time.

2.3 SYSTEM REQUIREMENTS

> NON-FUNCTIONAL REQUIREMENTS

EFFICIENCY REQUIREMENT:
When a dairy management system will be implemented, the owner and user will easily access the system as searching and milk transaction will be very faster.

RELIABILITY REQUIREMENT:
The system should accurately perform user registration, member validation, report generation, milk transaction and search.

USABILITY REQUIREMENT:
The system is designed for a user-friendly environment so that user and member of the dairy can perform the various tasks easily and in an effective way.

➢ ORGANIZATIONAL REQUIREMENTS

IMPLEMENTATION REQUIREMNTS:
In implementing whole system, it uses html in front end with php as server-side scripting language which will be used for database connectivity and the backend i.e., the database part is developed using MySQL.

DELIVERY REQUIREMENTS:
The whole system is expected to be delivered in two months of time with a weekly evaluation by the project guide.

➢ FUNCTIONAL REQUIREMENTS

NORMAL USER
➢ **USER LOGIN:**
Description of feature:
This feature used by the user to login into system. They are required to enter user id and password before they are allowed to enter the system. The user id and password will be verified and if invalid id is their user is allowed to not enter the system.

Functional requirements:
❖ User id is provided when they register.
❖ The system must only allow user with valid id and password to enter the system.
❖ The system performs authorization process which decides what user level can access to.
❖ The user must be able to logout after they finished using system.

➢ **REGISTER NEW USER:**

Description of feature:
This feature can be performed by all users to register new user to create account.

Functional requirements:
❖ System must be able to verify information.
❖ System must be able to delete information if information is wrong.

➢ **REGISTER NEW MILK RATE:**

Description of feature:
This feature allows to add new milk rate to the dairy management system.

Functional requirements:
❖ System must be able to enter new milk rate.
❖ System must be able to enter the milk rate into table.

- ➢ **REGISTER NEW MILK FAT-RATE:**

Description of feature:
This feature allows to add and update new milk fat-rate in the system.

Functional requirements:
- ❖ System must be able to enter new milk fat-rate in database.
- ❖ System must be able to update fat-rate of milk.
- ❖ System must be able to search milk fat-rate.
- ❖ System should be able to show the corresponding milk fat-rate in table view.

- ➢ **SEARCH INDIVIDUAL COST:**

Description of feature:
This feature is for calculating and maintaining total cost of an individual user in the system.

Functional requirements:
- ❖ System must be able to search the database based on select search type.
- ❖ System must be able to add milk amount based on keyword entered.
- ❖ System must be able to show the cost of milk in table view.

- ➢ **SEARCH TOTAL COST:**

Description of feature:
This feature is for calculating and maintaining total cost of all or a specific number of users in the system.

Functional requirements:
- ❖ System should be able to add detailed information about total costs.
- ❖ System should be able to display the total cost of all or a specific number of users in table view.

2.4 SOFTWARE AND HARDWARE REQUIREMENTS
This section describes the software and hardware requirements of the system

- ➢ **SOFTWARE REQUIREMENTS**

- ❖ Operating system- Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly.

- ❖ Database MYSQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.

- ❖ Development tools and Programming language- HTML is used to write the whole code and develop webpages with css, java script for styling work and php for sever side scripting.

➢ **HARDWARE REQUIREMENTS**

❖ Intel core i5 8th generation is used as a processor because it is faster than other processors an provide reliable and stable and we can run our pc for longtime. By using this processor, we can keep on developing our project without any worries.

❖ Ram 8 GB is used as it will provide fast reading and writing capabilities and will in turn support in processing.

2.5 EXISTING VS PROPOSED SYSTEM

i.   Existing system does not have any facility of administrator's login whereas proposed system will have an administrator's login system.

ii.   Existing system does not have a facility of online reservation of milk whereas proposed system has a facility of online reservation of milk.

iii.   Existing system does not have any facility of online automatic rate changing notice whereas proposed system has a facility of online automatic rate changing notice.

iv.   Existing system does not have any option of messages or complains uploaded by customers whereas proposed system will have this facility.

v.   Existing system does not have any facility to generate detailed money receipt whereas proposed system provides this facility.

2.6 SOFTWARE TOOLS USED

The whole Project is divided in two parts the front end and the back end. Front end The front end is designed using of html , Php ,css, Java script.

➢ **HTML**:

HTML or **Hyper Text Markup Language** is the main markup language for creating web pages and other information that can be displayed in a web browser.HTML is written in the form of HTML elements consisting of *tags* enclosed in angle brackets (like <html>), within the web page content. HTML tags most come in pairs like <h1> and </h1>, although some tags represent *empty elements* and so are unpaired, for example <img>. The first tag in a pair is the *start tag*, and the second tag is the *end tag* (they are also called *opening tags* and *closing tags*). In between these tags web designers can add text, further tags, comments, and other types of text-based content. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags but uses the tags to interpret the content of the page.HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such

as headings, paragraphs, lists, links, quotes, and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

➢ **CSS:**

Cascading Style Sheets (**CSS**) is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design).CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified. However, if the author or the reader did not link the document to a specific style sheet the default style of the browser will be applied.CSS specifies a priority scheme to determine which style rules apply if more than one rule matches against a particular element. In this so-called *cascade*, priorities or *weights* are calculated and assigned to rules, so that the results are predictable.

➢ **JAVA SCRIPT:**

JavaScript (**JS**) is a dynamic computer programming language. It is most used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are taken from the Self and Scheme programming languages. It is a multi-paradigm language, supporting objectoriented, imperative, and functional programming styles. The application of JavaScript to use outside of web pages—for example, in PDF documents, site-specific browsers, and desktop widgets—is also significant. Newer and faster JavaScript VMs and platforms built upon them (notably Node.js) have also increased the popularity of JavaScript for server-side web applications. On the client side, JavaScript was traditionally implemented as an interpreted language, but just-in-time compilation is now performed by recent (post-2012) browsers.

➢ **PHP:**

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers. Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for *Personal Home Page*, it now stands for *PHP: Hypertext Preprocessor*, a recursive

backronym code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

➢ **BACK END:**
   The back end is designed using MySQL which is used to design the databases.

➢ **MYSQL:**
   MySQL ("My S-Q-L", officially, but also called "My Sequel") is (as of July 2013) the world's second most widely used open-source relational database management system (RDBMS). It is named after cofounder Michael Widenius daughter, My. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. MySQL is a popular choice of database for use in web applications and is a central component of the widely used LAMP open-source web application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open-source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases include: TYPO3, MODx, Joomla, WordPress, phpBB, MyBB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

Chapter-3

3. SYSTEM DESIGN

3.1 TABLE DESIGN

VARIOUS TABELS TO MAINTAIN INFORMATION:

login Table:

Field	Datatype	Default	Key	Extra
user	Varchar (20)	Not Null	Primary	
password	Varchar (20)	Not Null		

customer Table:

Field	Datatype	Default	Key	Extra
ssn	int	Not Null	Primary	Auto Increment
name	Varchar (20)	Not Null		
address	Varchar (20)	Not Null		
type	Varchar (20)	Not Null		

bratechart Table:

Field	Datatype	Default	Key	Extra
bfat	double float	Not Null	Primary	
brate	double float	Not Null		

cratechart Table:

Field	Datatype	Default	Key	Extra
cfat	double float	Not Null	Primary	
crate	double float	Not Null		

collection Table:

Field	Datatype	Default	Key	Extra
date	date	Not Null	Primary	
time	varchar (20)	Not Null	Primary	
ssn	int	Not Null	Primary & Unique	
type	varchar (20)	Not Null	Primary	
qty	double float	Not Null		
fat	double float	Not Null		
rate	double float	Not Null		
total	double float	Not Null		

There is a view table in our dairy management system,

viewbill Table:

Field	Datatype	Default	Key	Extras
name	varchar (20)	Not Null		
date	date	Not Null		
time	varchar (20)	Not Null		
ssn	int	Not Null		
type	varchar (20)	Not Null		
qty	double float	Not Null		
fat	double float	Not Null		
rate	double float	Not Null		
total	double float	Not Null		

3.2 DATA FLOW DIAGRAM

DATA FLOW DIAGRAM FOR USER LOGIN
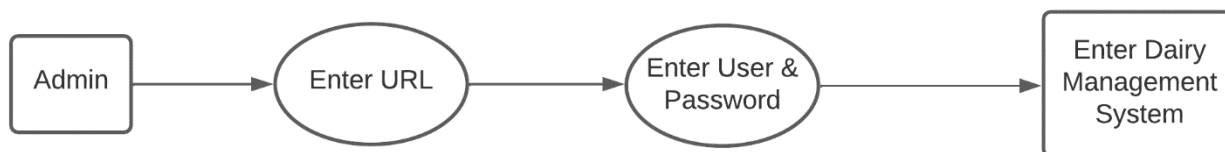
After entering to the home page of the website, user can choose the User Login option where they are asked to enter username & password, and if he/she is a valid user then a teacher login page will be displayed.

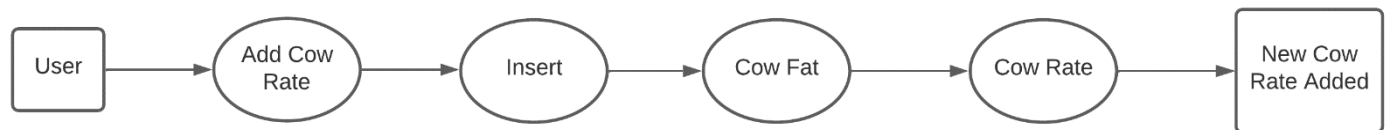## DATA FLOW DIAGRAM FOR ADDING NEW CUSTOMER

After entering to the home page of the website, user can add a new customer from the "Add New Customer" option where they are asked to enter name, address & milk type as customer no. is auto incremented, and if the given data is valid then the new customer will be inserted.

DATA FLOW DIAGRAM FOR ADDING BUFFALO RATE
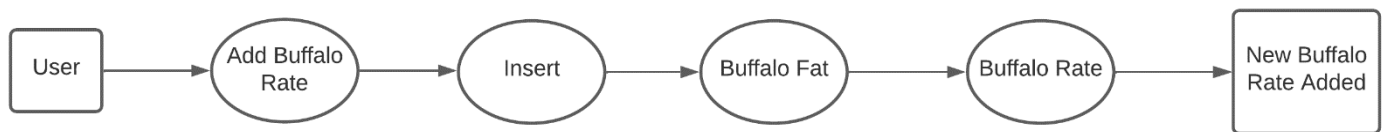
From the home page of the website, user can add a new buffalo rate from the "Add New Buffalo Rate" option where they are asked to enter buffalo fat & buffalo milk rate, and if the given data is valid then the new buffalo rate will be inserted.

DATA FLOW DIAGRAM FOR ADDING COW RATE

From the home page of the website, user can add a new cow rate from the "Add New Cow Rate" option where they are asked to enter cow fat & cow milk rate, and if the given data is valid then the new cow rate will be inserted.

DATA FLOW DIAGRAM FOR ADDING DAILY COLLECTION

From the home page of the website, user can add a new daily collection from the "Daily Milk Collection" option where they are asked to enter date, time, customer id, qty/ltr & fat, and if the given data is valid then the new daily collection will be inserted.

DATA FLOW DIAGRAM FOR GETTING SINGLE CUSTOMER BILL
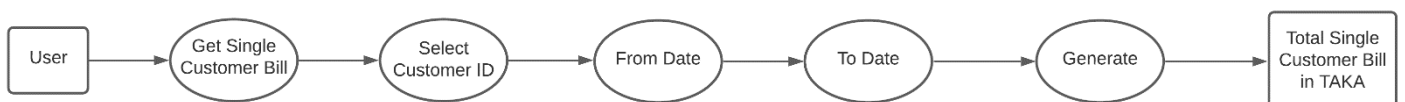
From the home page of the website, user can get single customer bill from the "Get Single Customer Bill" option where they are asked to select customer id, from date & to date, and if the given data is valid then the single customer bill will be gotten.

DATA FLOW DIAGRAM FOR GETTING ALL CUSTOMER BILL
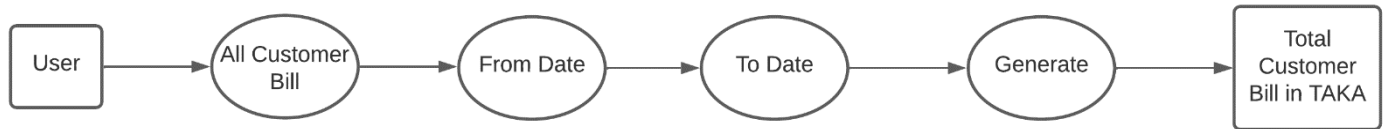
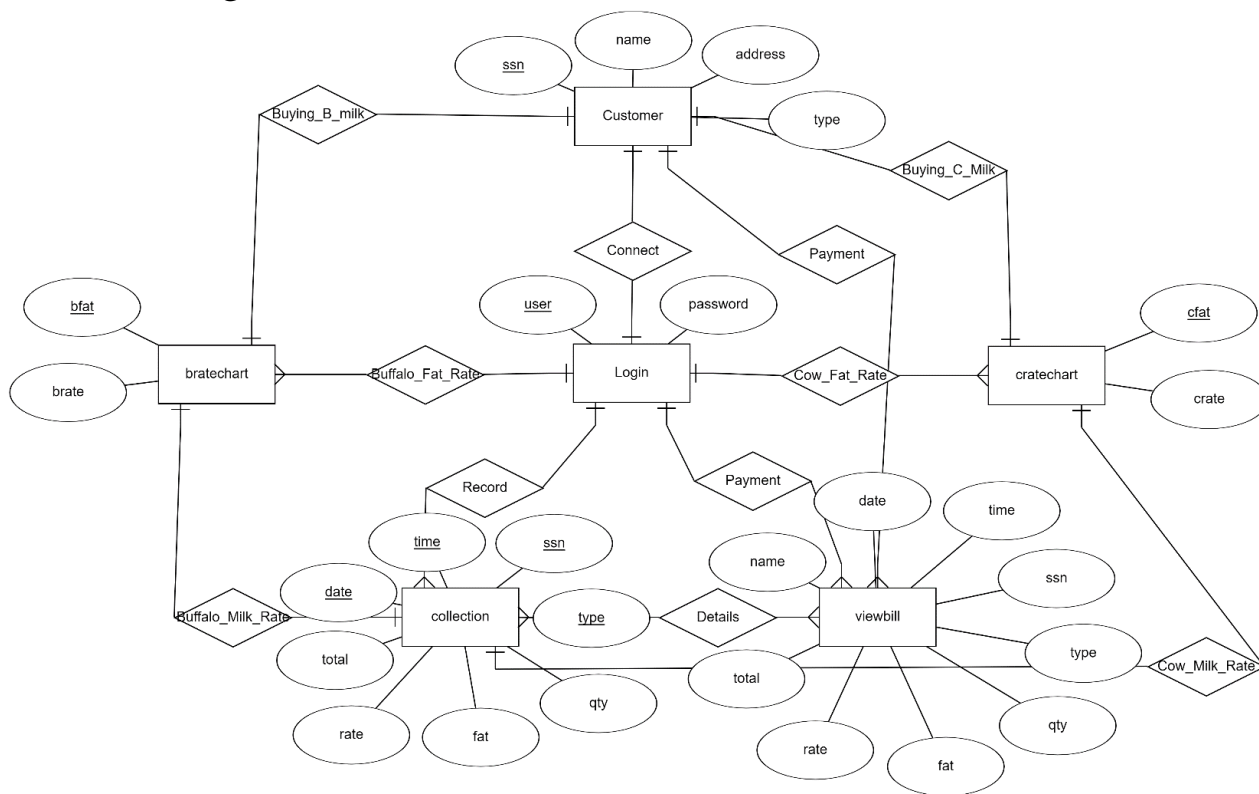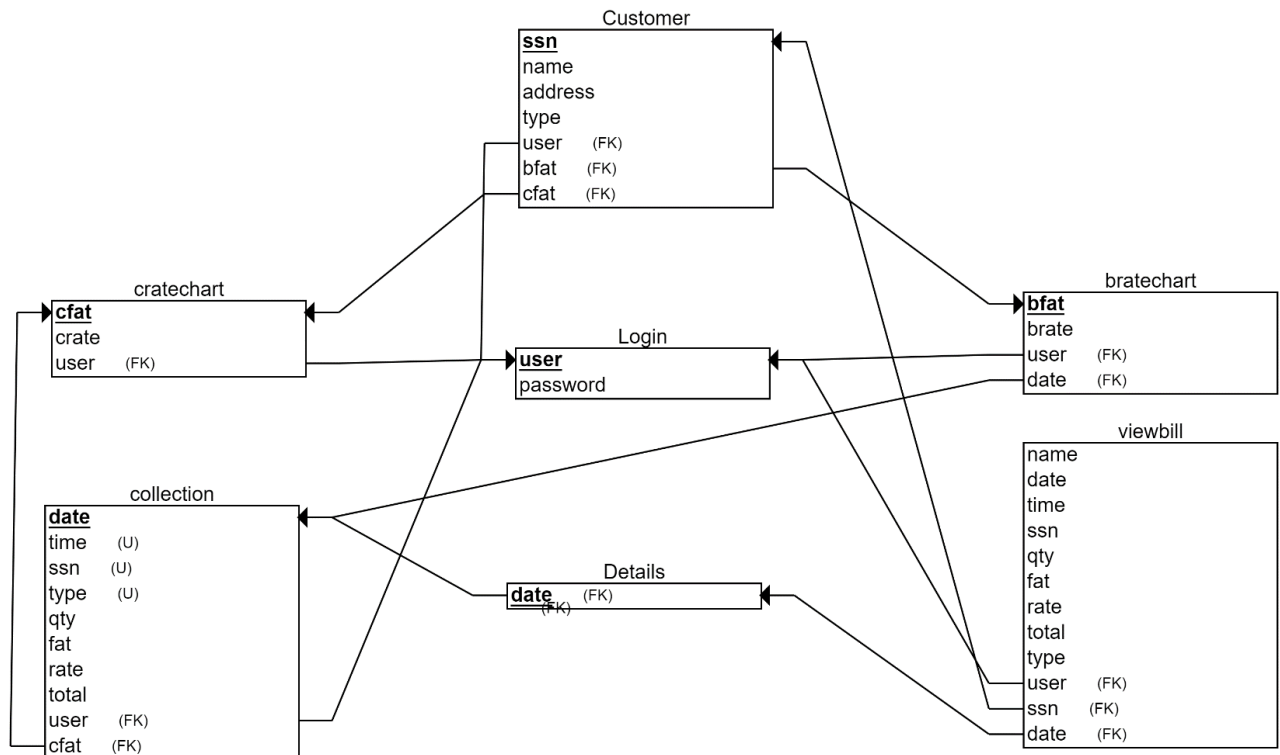From the home page of the website, user can get all customers bill from the "Get All Customer Bill" option where they are asked to select from date & to date, and if the given data is valid then all customers bills will be gotten.
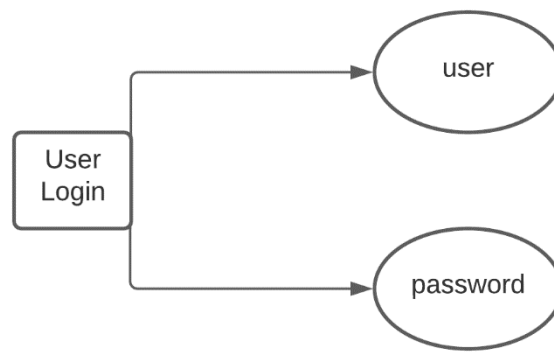
3.3 ERD Diagram

3.4 Relational Schema

Customer
ssn
name
address
type
user (FK)
bfat (FK)
cfat (FK)

cratechart
cfat
crate
user (FK)

Login
user
password

bratechart
bfat
brate
user (FK)
date (FK)

viewbill
name
date
time
ssn
qty
fat
rate
total
type
user (FK)
ssn (FK)
date (FK)

collection
date
time (U)
ssn (U)
type (U)
qty
fat
rate
total
user (FK)
cfat (FK)

Details
date (FK)

Chapter-4

4.SYSTEM IMPLEMENTATION

4.1 Database Creation

Table ▲	Action						Rows	Type	Collation	Size	Overhead
☐ bratechart ☆	Browse	Structure	Search	Insert	Empty	Drop	10	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐ collection ☆	Browse	Structure	Search	Insert	Empty	Drop	8	InnoDB	latin1_swedish_ci	32.0 KiB	-
☐ cratechart ☆	Browse	Structure	Search	Insert	Empty	Drop	7	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐ customer ☆	Browse	Structure	Search	Insert	Empty	Drop	7	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐ login ☆	Browse	Structure	Search	Insert	Empty	Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐ viewbill ☆	Browse	Structure	Search	Insert	Edit	Drop	~0	View	---	-	-
6 tables	**Sum**						~33	InnoDB	utf8mb4_general_ci	96.0 KiB	0 B

4.2 User Case Description

User Login Module:

System Interface Module:
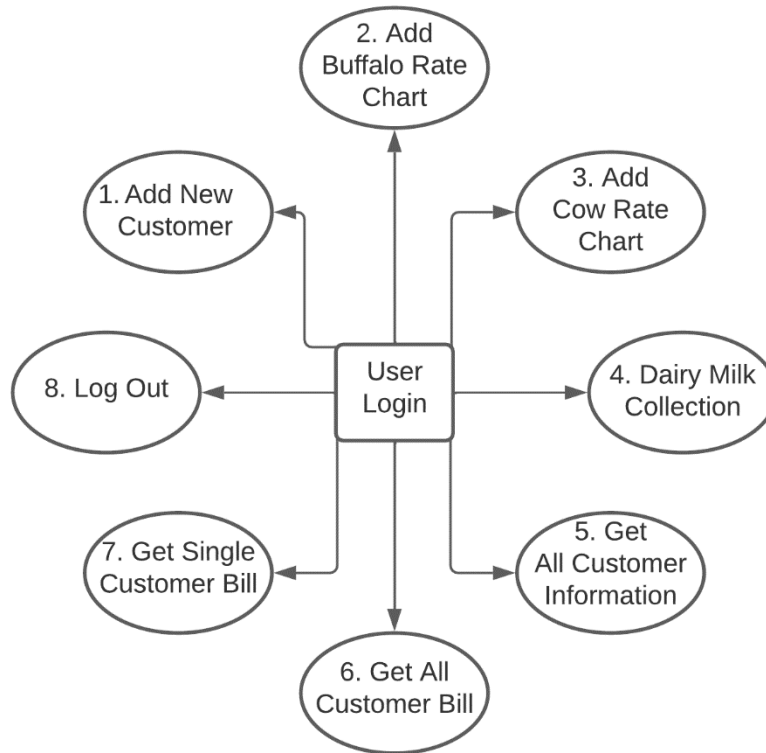
4.3 System Interface
Login Page Screenshot:

User Login

User name:
group_3

Password:
••••

Login | Clear
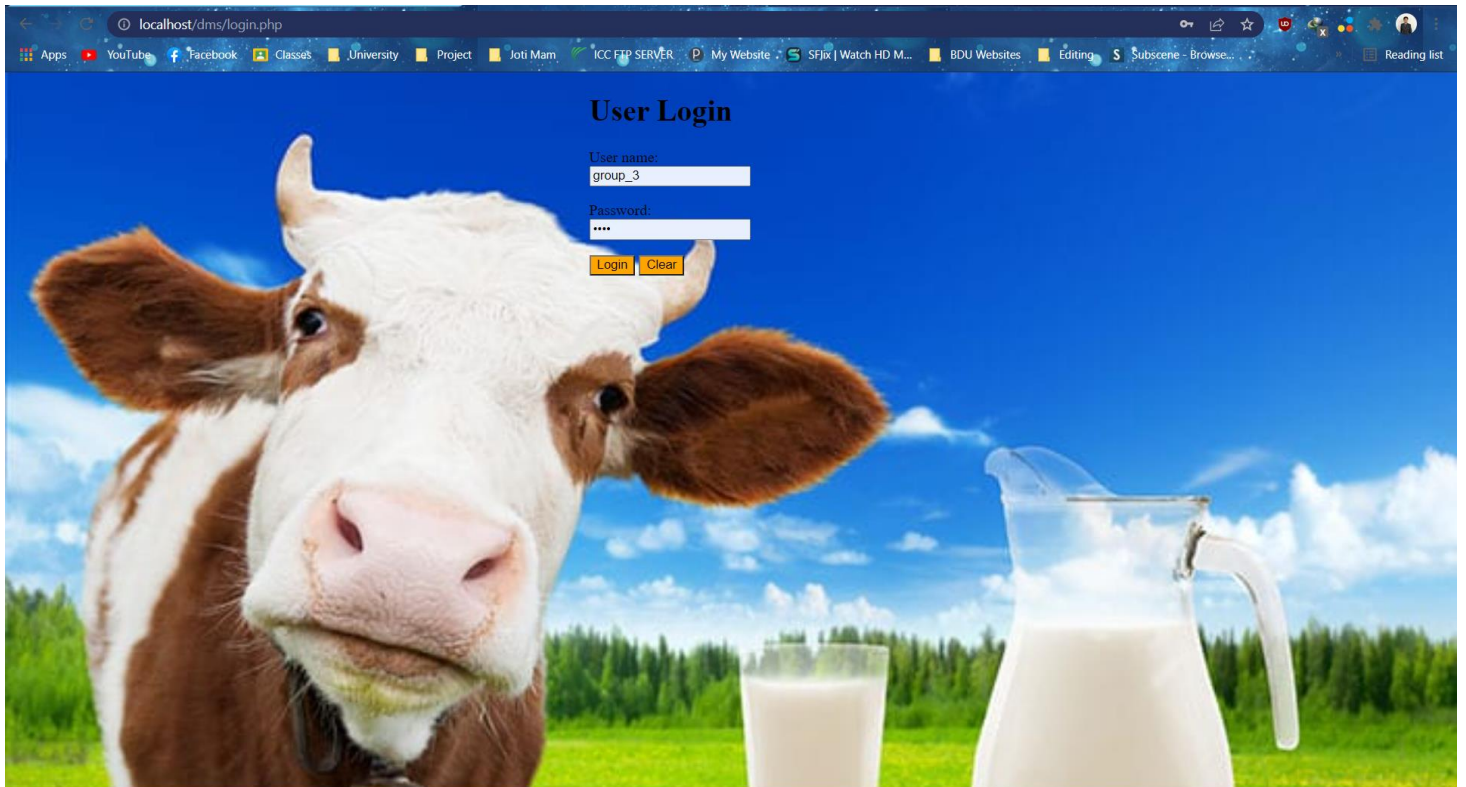
System Interface Screenshot:

Dairy Management System

- Add New Customer
- Add Buffalo Rate Chart
- Add Cow Rate Chart
- Daily Milk Collection
- Get All Customer Information
- Get All Customer Bill
- Get Single Customer Bill
- Logout

Welcome to Dairy Management System
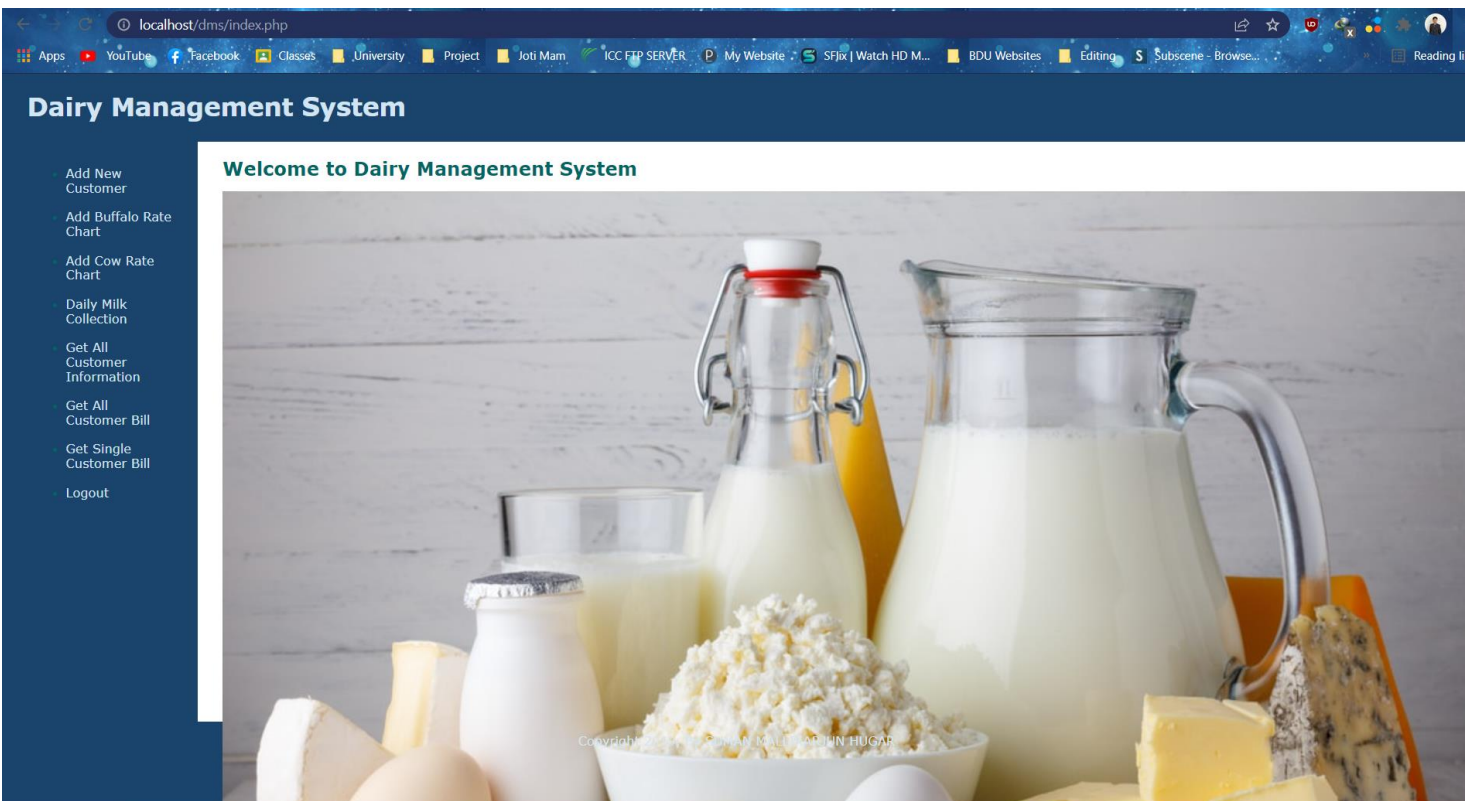
Add New Customer Screenshot:

Add Buffalo Rate Chart Screenshot:

ADD BUFFALO RATE CHART

Buffalo Fat	Buffalo Rate
7.2	90
Insert Cancel	

BUFFALO-FAT-n-RATE-CHART-DETAILS

BUFFALO FAT	BUFFALO RATE
6.1	30
6.2	35
6.3	40
6.4	45
6.5	50
6.6	55
6.7	60
6.8	65
6.9	75
7	1000
7.1	80

SELECT * FROM `bratechart`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]

☐ Show all | Number of rows: 25 ∨ | Filter rows: S

+ Options

- New
- dairy
  - Procedures
  - Tables
    - New
    - bratechart
    - collection
    - cratechart
    - customer
    - login
  - Views
    - New
    - viewbill
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

				bfat	brate
☐	Edit	Copy	Delete	6.1	30
☐	Edit	Copy	Delete	6.2	35
☐	Edit	Copy	Delete	6.3	40
☐	Edit	Copy	Delete	6.4	45
☐	Edit	Copy	Delete	6.5	50
☐	Edit	Copy	Delete	6.6	55
☐	Edit	Copy	Delete	6.7	60
☐	Edit	Copy	Delete	6.8	65
☐	Edit	Copy	Delete	6.9	75
☐	Edit	Copy	Delete	7	1000
☐	Edit	Copy	Delete	7.1	80
☐	Edit	Copy	Delete	7.2	90

Add Cow Rate Chart Screenshot:

ADD COW RATE CHART

Cow Fat	Cow Rate
6.2	55
Insert Cancel	

COW-FAT-n-RATE-CHART-DETAILS

COW FAT	COW RATE
5.5	20
5.6	25
5.7	30
5.8	35
5.9	40
6	45
6.1	50

ADD COW RATE CHART

COW FAT	COW RATE
5.5	20
5.6	25
5.7	30
5.8	35
5.9	40
6	45
6.1	50
6.2	55

Daily Customer Details:

HOME

DAIRY-CUSTOMER-DETAILS

CUSTOMER ID	CUSTOMER NAME	ADDRESS	MILK TYPE
1	Md. Tanvir Hasan	Tangail	Buffalo
2	MD. Mahedy Hassan	Gazipur	Buffalo
3	Mehrab Hasan	Sirajganj	Cow
4	Shakil Ahmed	Bogura	Cow
5	MD. SHAKIL MIA	Rangpur	Buffalo
6	MD. Abu Sayem	Dhaka	Cow
7	MD. Rowshan Kabir	Rangpur	Cow
8	Nusrat Jahan Akhi	Bogura	Buffalo

Add New Daily Milk Collection Screenshot:

DAILY MILK COLLECTION

DATE	TIME	CUSTOMER ID	QTY/LTR	FAT
20	Evening ˅	8 ˅	30	7.2
Insert Cancel				

DAILY-MILK-COLLECTION-DETAILS

DATE	TIME	CUSTOMER ID	MILK TYPE	QTY/LTR	FAT	RATE	TOTAL
2021-10-30	Evening	1	Buffalo	15	6.5	50	750
2021-10-30	Evening	2	Buffalo	25	6.6	55	1375
2021-10-30	Morning	1	Buffalo	10	6.1	30	300
2021-10-30	Morning	2	Buffalo	15	6.4	45	675
2021-10-30	Morning	3	Cow	25	5.5	20	500
2021-10-31	Evening	1	Buffalo	30	6.6	55	1650
2021-10-31	Morning	1	Buffalo	20	6.4	45	900
2022-02-10	Morning	5	Buffalo	20	7.1	80	1600

SELECT * FROM `collection`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ˅ Filter rows: Search this table Sort by

+ Options

- New
- dairy
  - Procedures
  - Tables
    - New
    - bratechart
    - collection
    - cratechart
    - customer
    - login
  - Views
    - New
    - viewbill
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

←T→				date	time	ssn	type	qty	fat	rate	total
☐	Edit	Copy	Delete	0000-00-00	Evening	8	Buffalo	30	7.2	90	2700
☐	Edit	Copy	Delete	2021-10-30	Evening	1	Buffalo	15	6.5	50	750
☐	Edit	Copy	Delete	2021-10-30	Evening	2	Buffalo	25	6.6	55	1375
☐	Edit	Copy	Delete	2021-10-30	Morning	1	Buffalo	10	6.1	30	300
☐	Edit	Copy	Delete	2021-10-30	Morning	2	Buffalo	15	6.4	45	675
☐	Edit	Copy	Delete	2021-10-30	Morning	3	Cow	25	5.5	20	500
☐	Edit	Copy	Delete	2021-10-31	Evening	1	Buffalo	30	6.6	55	1650
☐	Edit	Copy	Delete	2021-10-31	Morning	1	Buffalo	20	6.4	45	900
☐	Edit	Copy	Delete	2022-02-10	Morning	5	Buffalo	20	7.1	80	1600

Single Customer Bill Screenshot:

Select Customer ID: [2 ▼]

From Date: 2021-10-30

To Date: 2021-10-31

NOTE : Date should be in YYYY-MM-DD format

Generate

SL No	CUSTOMER ID	CUSTOMER NAME	MILK TYPE	TOTAL MILK in LTR	TOTAL Taka
				Grand Total Taka	**Warning**: Undefined variable $grandtotal in **C:\xampp\htdocs\DMS\singlecustomerbill.php** on line 77

Select Customer ID: [1 ▼]

From Date:

To Date:

NOTE : Date should be in YYYY-MM-DD format

Generate

Bill Payment From 2021-10-30 To 2021-10-31

SL No	CUSTOMER ID	CUSTOMER NAME	MILK TYPE	TOTAL MILK in LTR	TOTAL Taka
1	2	MD. Mahedy Hassan	Buffalo	40	2050
				Grand Total Taka	2050

All Customer Bill Screenshot:

From Date: 2021-10-30   To Date: 2022-02-10

NOTE : Date should be in YYYY-MM-DD format

Generate

SL No	CUSTOMER ID	CUSTOMER NAME	MILK TYPE	TOTAL MILK in LTR	TOTAL Taka
				Grand Total Taka	**Warning**: Undefined variable $grandtotal in **C:\xampp\htdocs\DMS\allcustomerbill.php** on line 69

From Date: [   ] To Date: [   ]

NOTE : Date should be in YYYY-MM-DD format

[Generate]

Bill Payement From 2021-10-30 To 2022-02-10

SL No	CUSTOMER ID	CUSTOMER NAME	MILK TYPE	TOTAL MILK in LTR	TOTAL Taka
1	1	Md. Tanvir Hasan	Buffalo	75	3600
2	2	MD. Mahedy Hassan	Buffalo	40	2050
3	3	Mehrab Hasan	Cow	25	500
4	5	MD. SHAKIL MIA	Buffalo	20	1600
				Grand Total Taka	7750

5. CONCLUSION & FUTURE SCOPE

As a result, this application software will be easy to modify the information, if any. This application is created in such a way that it should suit all types of distributors in the future. Every effort has been taken in a way to implement this project in many areas. And it will increase the use of the dairy management system. To manage all this requirement, they need software which will work and take care of it.

Future scopes of dairy management system are,

➢ Seller can see purchase sell milk show to online.
➢ Seller can her payment direct in her account.
➢ Customer Also be a user of the system.
➢ System need to be improved performance.

6. REFERENCES

1. http://www.dhudhsagar.com
2. http://www.w3schools.com/html/html_intro.asp
3. http://www.w3schools.com/css/css_background.asp
4. http://www.w3schools.com/js/js_datatypes.asp
5. http://www.w3schools.com/sql/sql_insert.asp
6. http://www.w3schools.com/php/php_forms.asp
7. http://www.banasdairy.com

7.Appendix

7.1 SQL Query

```
-- phpMyAdmin SQL Dump

-- version 5.1.1

-- https://www.phpmyadmin.net/

--

-- Host: 127.0.0.1

-- Generation Time: Feb 20, 2022 at 07:05 AM

-- Server version: 10.4.22-MariaDB

-- PHP Version: 8.1.2


SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";

START TRANSACTION;

SET time_zone = "+00:00";



/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;

/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;

/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;

/*!40101 SET NAMES utf8mb4 */;


--

-- Database: `dairy`

--


DELIMITER $$

--

-- Procedures

--
```

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `getallcustomerinfo` ()  BEGIN

    SELECT * FROM CUSTOMER;

END$$


DELIMITER ;


-- --------------------------------------------------------


--

-- Table structure for table `bratechart`

--


CREATE TABLE `bratechart` (

 `bfat` double NOT NULL,

 `brate` double NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--

-- Dumping data for table `bratechart`

--


INSERT INTO `bratechart` (`bfat`, `brate`) VALUES

(6.1, 30),

(6.2, 35),

(6.3, 40),

(6.4, 45),

(6.5, 50),

(6.6, 55),

(6.7, 60),

(6.8, 65),
```

(6.9, 75),

(7, 1000),

(7.1, 80),

(7.2, 90);

-- --

--

-- Table structure for table `collection`

--

CREATE TABLE `collection` (

 `date` date NOT NULL,

 `time` varchar(20) NOT NULL,

 `ssn` int(11) NOT NULL,

 `type` varchar(20) NOT NULL,

 `qty` double NOT NULL,

 `fat` double NOT NULL,

 `rate` double NOT NULL,

 `total` double NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `collection`

--

INSERT INTO `collection` (`date`, `time`, `ssn`, `type`, `qty`, `fat`, `rate`, `total`) VALUES

('0000-00-00', 'Evening', 8, 'Buffalo', 30, 7.2, 90, 2700),

('2021-10-30', 'Evening', 1, 'Buffalo', 15, 6.5, 50, 750),

('2021-10-30', 'Evening', 2, 'Buffalo', 25, 6.6, 55, 1375),

('2021-10-30', 'Morning', 1, 'Buffalo', 10, 6.1, 30, 300),

('2021-10-30', 'Morning', 2, 'Buffalo', 15, 6.4, 45, 675),

('2021-10-30', 'Morning', 3, 'Cow', 25, 5.5, 20, 500),

('2021-10-31', 'Evening', 1, 'Buffalo', 30, 6.6, 55, 1650),

('2021-10-31', 'Morning', 1, 'Buffalo', 20, 6.4, 45, 900),

('2022-02-10', 'Evening', 9, 'Cow', 10, 6.1, 50, 500),

('2022-02-10', 'Morning', 5, 'Buffalo', 20, 7.1, 80, 1600);

-- --

--

-- Table structure for table `cratechart`

--

CREATE TABLE `cratechart` (

 `cfat` double NOT NULL,

 `crate` double NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `cratechart`

--

INSERT INTO `cratechart` (`cfat`, `crate`) VALUES

(5.5, 20),

(5.6, 25),

(5.7, 30),

(5.8, 35),

(5.9, 40),

(6, 45),

(6.1, 50),

(6.2, 55);

-- --

--

-- Table structure for table `customer`

--

CREATE TABLE `customer` (

 `ssn` int(11) NOT NULL,

 `name` varchar(20) NOT NULL,

 `address` varchar(20) NOT NULL,

 `type` varchar(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `customer`

--

INSERT INTO `customer` (`ssn`, `name`, `address`, `type`) VALUES

(1, 'Md. Tanvir Hasan', 'Tangail', 'Buffalo'),

(2, 'MD. Mahedy Hassan', 'Gazipur', 'Buffalo'),

(3, 'Mehrab Hasan', 'Sirajganj', 'Cow'),

(4, 'Shakil Ahmed', 'Bogura', 'Cow'),

(5, 'MD. SHAKIL MIA', 'Rangpur', 'Buffalo'),

(6, 'MD. Abu Sayem', 'Dhaka', 'Cow'),

(7, 'MD. Rowshan Kabir', 'Rangpur', 'Cow'),

(8, 'Nusrat Jahan Akhi', 'Bogura', 'Buffalo'),

(9, 'Mehedi Hasan Emon', 'Bogura', 'Cow');

-- --

--

-- Table structure for table `login`

--

CREATE TABLE `login` (

 `user` varchar(20) NOT NULL,

 `password` varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--

-- Dumping data for table `login`

--

INSERT INTO `login` (`user`, `password`) VALUES

('group_3', '3949');

-- --

--

-- Stand-in structure for view `viewbill`

-- (See below for the actual view)

--

CREATE TABLE `viewbill` (

`name` varchar(20)

,`date` date

,`time` varchar(20)

,`ssn` int(11)

```
,`type` varchar(20)

,`qty` double

,`fat` double

,`rate` double

,`total` double

);
```

-- --

--

-- Structure for view `viewbill`

--

```
DROP TABLE IF EXISTS `viewbill`;
```


```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY DEFINER VIEW
`viewbill`  AS SELECT `cu`.`name` AS `name`, `co`.`date` AS `date`, `co`.`time` AS `time`, `co`.`ssn` AS
`ssn`, `co`.`type` AS `type`, `co`.`qty` AS `qty`, `co`.`fat` AS `fat`, `co`.`rate` AS `rate`, `co`.`total` AS `total`
FROM (`customer` `cu` join `collection` `co` on(`cu`.`ssn` = `co`.`ssn`)) ;
```


--

-- Indexes for dumped tables

--

--

-- Indexes for table `bratechart`

--

```
ALTER TABLE `bratechart`
  ADD PRIMARY KEY (`bfat`);
```


--

-- Indexes for table `collection`

```
--

ALTER TABLE `collection`

  ADD PRIMARY KEY (`date`,`time`,`ssn`,`type`),

  ADD KEY `ssn` (`ssn`);


--

-- Indexes for table `cratechart`

--

ALTER TABLE `cratechart`

  ADD PRIMARY KEY (`cfat`);


--

-- Indexes for table `customer`

--

ALTER TABLE `customer`

  ADD PRIMARY KEY (`ssn`);


--

-- Indexes for table `login`

--

ALTER TABLE `login`

  ADD PRIMARY KEY (`user`);


--

-- Constraints for dumped tables

--


--

-- Constraints for table `collection`

--
```

```sql
ALTER TABLE `collection`

  ADD CONSTRAINT `collection_ibfk_1` FOREIGN KEY (`ssn`) REFERENCES `customer` (`ssn`) ON
DELETE CASCADE ON UPDATE CASCADE;

COMMIT;


/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;

/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;

/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */
```

7.2 Code for System
Home Page Code:

```php
<?php
  session_start();
  if (!isset($_SESSION['User'])){
    header("location:login.php");
  }
?>
<!DOCTYPE html>
<html>
  <head>
    <title>Dairy Billing System</title>
    <link href="../css/public.css" media="all" rel="stylesheet" type="text/css" />
  </head>
  <body bgcolor="#FFFF66">
    <div id="header">
      <h1>Dairy Management System</h1>
    </div>
    <div id="main">
      <link href="css/public.css" media="all" rel="stylesheet" type="text/css" />
```

```html
        <table id="structure">

          <tr>

            <td id="navigation">

              <ul>

                <li class="last"><a href="customer.php">Add New Customer</a></li><br/>

                <li class="last"><a href="bratechart.php">Add Buffalo Rate Chart</a></li><br/>

                <li class="last"><a href="cratechart.php">Add Cow Rate Chart</a></li><br/>

                <li class="last"><a href="collection.php">Daily Milk Collection</a></li><br/>

                <li class="last"><a href="getallcustomer.php"> Get All Customer
Information</a></li><br/>

                <li class="last"><a href="allcustomerbill.php"> Get All Customer Bill</a></li><br/>

                <li class="last"><a href="singlecustomerbill.php"> Get Single Customer Bill</a></li><br/>

                <li class="last"><a href="login.php"> Logout</a></li><br/>

              </ul>

            </td>

            <td id="page">

              <h2>Welcome to Dairy ManagementSystem</h2>

              <img src="img/22.jpg" alt="" width="100%" height="100%"/>

            </td>

          </tr>

        </table>

      </div>

      <div id="footer" title = "Designed & Developed by CRB">Copyright 2019, By SUMAN
MALLIKARJUN HUGAR</div>

  </body>
</html>
```

Login Code:

```php
<?php
  // Clear login data
```

```php
    session_start();

    // remove all session variables
    session_unset();

    // destroy the session
    session_destroy();

    // Start session again
    session_start();
?>
```
```html
<!DOCTYPE HTML>
<html>
    <head>
        <title>User Login</title>
        <style>
            .a{
                background-image: url(img/12.jpg);
                background-size: cover;
            }
            .aa{
                width: 300px;
                margin: auto;
            }
        </style>
    </head>
    <body class="a">
        <div class="aa">
            <h1> User Login </h1>
            <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
```

33

```html
<p> User name:<br /><input type="text" name="user"/></p>

<p> Password:<br /><input type="password" name="password"/></p>

<p> <input style="background-color: orange" type="submit" value="Login"/> <input style="background-color: orange" type="reset" value="Clear"/></p>

    </form>

</div>
```

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

  $user = $_POST["user"];

  $password = $_POST["password"];


  if ($user && $password) {


    $mysql = mysqli_connect("localhost", "group_3", "3949");

    mysqli_select_db($mysql, "dairy");


    $result1 = mysqli_query($mysql, "SELECT * FROM login WHERE user='$user' and password='$password'");

    $count = mysqli_num_rows($result1);

    mysqli_free_result($result1);

    if ($count == 1) {

      $_SESSION['User'] = $user;

      header("location:index.php");

    } else {

      echo "Wrong username or password";

    }

  }

}
?>
```

```
    </body>
</html>
```

Customer Code:

```php
<?php
    session_start();
    if (!isset($_SESSION['User'])){
        header("location:login.php");
    }
?>
<!DOCTYPE html>
<html>
    <head>
        <title>Customer</title>
        <style>
            .a{
                background-image: url(img/5.jpg);
                background-size: cover;
            }
        </style>
    </head>
    <body class="a">
        <h3><a href="index.php">HOME</a></h3>
        <h1 align="center">Customer</h1>
        <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="POST">
            <table border="1" cellspacing="5" cellpadding="5" align="center">
                <tr><th>Customer No.</th><th>Name</th><th>Address</th><th>Milk Type</th></tr>
                <tr>
                    <td align="center"><input type="text" name="ssn" id="ssn" size="20" maxlength="20"
readonly/></td>
```

```html
        <td><input type="text" name="name" id="name" size="20"/></td>
        <td><input type="text" name="address" id="address" size="20"/></td>
        <td>
          <select name="mtype">
            <option>Buffalo</option>
            <option>Cow</option>
          </select>
        </td>
      </tr>
      <tr align="center">
        <td colspan="4">
          <input style="background-color: orange" type="submit" value="Insert" size="5"/>
          <input style="background-color: orange" type="reset" value="Cancel" size="5"/>
        </td>
      </tr>
    </table>
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

  // Connect to database
  $mysql = mysqli_connect("localhost", "group_3", "3949"); // host, user, password

  // Select database
  mysqli_select_db($mysql, 'dairy');

  // Collect post data
  $ssn = $_POST["ssn"];
  $name = $_POST["name"];
  $address = $_POST["address"];
```

```php
$mtype = $_POST["mtype"];


// Insert to database
if ($ssn && $name && $address) {
    mysqli_query($mysql, "INSERT INTO customer VALUES('$ssn','$name','$address','$mtype')");
}


// Get next customer No
$result2 = mysqli_query($mysql, "SELECT * FROM customer ORDER BY ssn DESC");
$num = mysqli_num_rows($result2);


// Set to customer no input box
$array = mysqli_fetch_row($result2);
if ($num == 0) {
    print"<script>document.getElementById('ssn').value=1;</script>";
    print"<script>document.getElementById('name').focus();</script>";
} else {
    $num = $array[0] + 1;
    print"<script>document.getElementById('ssn').value=$num;</script>";
    print"<script>document.getElementById('name').focus();</script>";
}


// Free result set
mysqli_free_result($result2);
?>
<table border="1" cellspacing="5" cellpadding="5" align="center">
    <caption><strong>CUSTOMER-DETAILS</strong></caption>
    <tr><th>Customer No.</th><th>Name</th><th>Address</th><th>Milk Type</th></tr>
<?php
$result3 = mysqli_query($mysql, "SELECT * FROM customer ORDER BY ssn DESC");
```

```php
      while ($array = mysqli_fetch_row($result3)) {

        print"<tr align='center'>";

        print"<td> $array[0]</td>";

        print"<td> $array[1]</td>";

        print"<td> $array[2]</td>";

        print"<td> $array[3]</td>";

        print"</tr>";

      }

      mysqli_free_result($result3);

      mysqli_close($mysql);

    }

    ?>

    </table>

  </body>

</html>
```

bratechart Code:

```php
<?php

  session_start();

  if (!isset($_SESSION['User'])){

    header("location:login.php");

  }

?>
```

```html
<!DOCTYPE html>

<html>

  <head>

    <title>Account</title>

     <style>

      .a{

          background-image: url(img/5.jpg);
```

```
      background-size: cover;

    }

  </style>

</head>

<body class="a">

  <h3><a href="index.php">HOME</a></h3>

  <?php

  $mysql = mysqli_connect("localhost", "group_3", "3949");

  mysqli_select_db($mysql, "dairy");

  ?>


  <h1 align="center">ADD BUFFALO RATE CHART</h1>

  <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="POST">

    <table border="1" cellspacing="5" cellpadding="5" align="center">

      <tr><th>Buffalo Fat</th><th>Buffalo Rate</th></tr>

      <tr>

        <td><input type="text" name="bfat" id="bfat" size="20" maxlength="20"/></td>

        <td><input type="text" name="brate" id="brate" size="20"/></td>

      </tr>

      <tr align="center">

        <td colspan="4">

          <input style="background-color: orange" type="submit" value="Insert" size="5"/>

          <input style="background-color: orange" type="reset" value="Cancel" size="5"/>

        </td>

      </tr>

    </table>

  </form>

  <?php

  if ($_SERVER["REQUEST_METHOD"] == "POST") {
```

```php
        $bfat = $_POST["bfat"];

        $brate = $_POST["brate"];

        if ($bfat && $brate) {

            mysqli_query($mysql, "INSERT INTO bratechart VALUES('$bfat','$brate')");

        }

        ?>

        <table border="1" cellspacing="5" cellpadding="5" align="center">

            <caption><strong>BUFFALO-FAT-n-RATE-CHART-DETAILS</strong></caption>

            <tr><th>BUFFALO FAT</th><th>BUFFALO RATE</th></tr>

        <?php

            $result3 = mysqli_query($mysql, "SELECT * FROM bratechart ORDER BY bfat");

            while ($array = mysqli_fetch_row($result3)) {

                print"<tr align='center'>";

                print"<td> $array[0]</td>";

                print"<td> $array[1]</td>";

                print"</tr>";

            }

            mysqli_free_result($result3);

            mysqli_close($mysql);

        }

        ?>

      </table>

    </body>

</html>
```

cratechart Code:

```php
<?php

    session_start();

    if (!isset($_SESSION['User'])){

        header("location:login.php");
```

```php
    }
?>
```
```html
<!DOCTYPE html>

<html>

  <head>

    <title>Account</title>

     <style>

      .a{

         background-image: url(img/5.jpg);

         background-size: cover;

      }

     </style>

  </head>

  <body class="a">

    <h3><a href="index.php">HOME</a></h3>
```
```php
    <?php
    $mysql = mysqli_connect("localhost", "group_3", "3949");
    mysqli_select_db($mysql, "dairy");
    ?>
```
```html
    <h1 align="center">ADD COW RATE CHART</h1>
    <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="POST">
       <table border="1" cellspacing="5" cellpadding="5" align="center">
          <tr><th>Cow Fat</th><th>Cow Rate</th></tr>
          <tr>
             <td><input type="text" name="cfat" id="cfat" size="20" maxlength="20"/></td>
             <td><input type="text" name="crate" id="crate" size="20"/></td>
          </tr>
          <tr align="center">
             <td colspan="4">
                <input style="background-color: orange" type="submit" value="Insert" size="5"/>
```

```php
                    <input style="background-color: orange" type="reset" value="Cancel" size="5"/>

                </td>

            </tr>

        </table>

</form>

<?php

if ($_SERVER["REQUEST_METHOD"] == "POST") {


    $cfat = $_POST["cfat"];

    $crate = $_POST["crate"];

    if ($cfat && $crate) {

        mysqli_query($mysql, "INSERT INTO cratechart VALUES('$cfat','$crate')");

    }

}

?>

<table border="1" cellspacing="5" cellpadding="5" align="center">

    <caption><strong>COW-FAT-n-RATE-CHART-DETAILS</strong></caption>

    <tr><th>COW FAT</th><th>COW RATE</th></tr>

    <?php

    $result3 = mysqli_query($mysql, "SELECT * FROM cratechart ORDER BY cfat");

    while ($array = mysqli_fetch_row($result3)) {

        print"<tr align='center'>";

        print"<td> $array[0]</td>";

        print"<td> $array[1]</td>";

        print"</tr>";

    }

    mysqli_free_result($result3);

    mysqli_close($mysql);

    ?>

</table>
```

```
    </body>
</html>
```

getallcustomer Code:

```php
<?php
    session_start();
    if (!isset($_SESSION['User'])){
        header("location:login.php");
    }
?>
<!DOCTYPE HTML>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
        <title>All Customer Information</title>
        <style>
            .a{
                background-image: url(img/5.jpg);
                background-size: cover;
            }
        </style>
    </head>
    <?php
    $mysql = mysqli_connect("localhost", "group_3", "3949");
    mysqli_select_db($mysql, "dairy");
    $sql = 'SELECT * FROM customer';
    ?>
    <body class="a">
        <h3><a href="index.php">HOME</a></h3>
        <table border="1" cellspacing="5" cellpadding="5" align="center">
```

```php
      <caption><strong>DAIRY-CUSTOMER-DETAILS</strong></caption>

      <tr align="center"><th>CUSTOMER ID</th><th>CUSTOMER
NAME</th><th>ADDRESS</th><th>MILK TYPE</th></tr>

      <?php

      $result1 = mysqli_query($mysql, $sql);

      while ($array = mysqli_fetch_row($result1)) {

         print"<tr align='center'>";

         print"<td> $array[0]</td>";

         print"<td> $array[1]</td>";

         print"<td> $array[2]</td>";

         print"<td> $array[3]</td>";

         print"</tr>";

      }

      mysqli_free_result($result1);

       ?>

    </table>

  </body>

</html>
```

Collection Code:

```php
<?php

  session_start();

  if (!isset($_SESSION['User'])){

     header("location:login.php");

  }

?>

<!DOCTYPE html>

<html>

  <head>

    <title>Daily Milk Collection</title>
```

```html
  <style>
    .a{
      background-image: url(img/5.jpg);
      background-size: cover;
    }
  </style>
  <script type="text/javascript">
    document.getElementById('date').value = Date();
  </script>
</head>
<body class="a">
  <h3><a href="index.php">HOME</a></h3>
  <?php
  $mysql = mysqli_connect("localhost", "group_3", "3949");
  mysqli_select_db($mysql, "dairy");
  ?>


  <h1 align="center">DAILY MILK COLLECTION</h1>
  <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="POST">
    <table border="1" cellspacing="5" cellpadding="5" align="center">
      <tr align="center"><th>DATE</th><th>TIME</th><th>CUSTOMER
ID</th><th>QTY/LTR</th><th>FAT</th></tr>
      <tr align="center">
        <td><input type="text" name="date" id="date"/></td>
        <td><select name="time"
id="time"><option>Morning</option><option>Evening</option></select></td>
        <td><select name="ssn" id="ssn">
          <?php
          $result1 = mysqli_query($mysql, "SELECT * FROM customer");
          while ($row = mysqli_fetch_assoc($result1)) {
```

```php
            print "<option>" . $row["ssn"] . "</option>";
        }
        mysqli_free_result($result1);
        ?>
        </select>
    </td>
    <td><input type="text" name="qty" id="qty"/></td>
    <td><input type="text" name="fat" id="fat"/></td>
</tr>
<tr align="center"> <td colspan="5"><input style="background-color: orange" type="submit" value="Insert" size="5"/><input style="background-color: orange" type="reset" value="Cancel" size="5"/></td></tr>
    </table>
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $date = $_POST["date"];
    $time = $_POST["time"];
    $ssn = $_POST["ssn"];
    $qty = $_POST["qty"];
    $fat = $_POST["fat"];
    $total = 66;

    $result2 = mysqli_query($mysql, "SELECT * FROM customer WHERE ssn = $ssn");
    while ($array = mysqli_fetch_row($result2)) {
        $type = $array[3];
    }
    mysqli_free_result($result2);
```

```php
    if ($type == "Buffalo") {

      $result3 = mysqli_query($mysql, "SELECT * FROM bratechart WHERE bfat='$fat'");
      while ($array = mysqli_fetch_row($result3)) {
        $rate = $array[1];
      }
      mysqli_free_result($result3);
    } else {
      $result4 = mysqli_query($mysql, "SELECT * FROM cratechart WHERE cfat='$fat'");
      while ($array = mysqli_fetch_row($result4)) {
        $rate = $array[1];
      }
      mysqli_free_result($result4);
    }


    $total = $qty * $rate;


    if ($date && $time && $ssn && $type && $total) {
      mysqli_query($mysql, "INSERT INTO collection(`date`, `time`, `ssn`, `type`, `qty`, `fat`, `rate`, `total`)VALUES('$date','$time','$ssn','$type','$qty','$fat','$rate','$total')");
    }
  }

?>
<table border="1" cellspacing="5" cellpadding="5" align="center">
  <caption><strong>DAILY-MILK-COLLECTION-DETAILS</strong></caption>
  <tr><th> DATE </th> <th> TIME </th><th>CUSTOMER ID</th><th>MILK TYPE</th><th>QTY/LTR</th><th>FAT</th><th> RATE</th> <th> TOTAL</th></tr>
  <?php
  $result6 = mysqli_query($mysql, "SELECT * FROM collection");
```

```php
        while ($array = mysqli_fetch_row($result6)) {

            print"<tr align='center'>";

            print"<td> $array[0]</td>";

            print"<td> $array[1]</td>";

            print"<td> $array[2]</td>";

            print"<td> $array[3]</td>";

            print"<td> $array[4]</td>";

            print"<td> $array[5]</td>";

            print"<td> $array[6]</td>";

            print"<td> $array[7]</td>";

            print"</tr>";

        }

        mysqli_free_result($result6);

        mysqli_close($mysql);

        ?>

    </table>

  </body>

</html>
```

getsinglecustomerbill Code:

```php
<?php
session_start();
if (!isset($_SESSION['User'])){
  header("location:login.php");
}

$mysql = mysqli_connect("localhost", "group_3", "3949");
mysqli_select_db($mysql, "dairy");
?>
<!DOCTYPE Html>
```

```html
<html>
  <head> <title> Print Customer Bill </title>  <style>
      .a{
          background-image: url(img/5.jpg);
          background-size: cover;
      }
    </style>
  </head>
  <body class="a">
    <h3><a href="index.php">HOME</a></h3>
  <center>
    <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
      <p> Select Customer ID:
        <select name="ssn" id="ssn">
          <?php
          $result1 = mysqli_query($mysql, "SELECT * FROM customer");
          while ($array = mysqli_fetch_row($result1)) {
            print "<option>" . $array[0] . "</option>";
          }
          mysqli_free_result($result1);
          ?>
        </select> </p>
      <p> From Date: <input type="text" name="fromdate" id="fromdate"/> </p>
      <p> To Date: <input type="text" name="todate" id="todate"/></p>
      <p> NOTE : Date should be in YYYY-MM-DD format</p>
      <p> <input style="background-color: orange" type="submit" name="submit" value="Generate"/>
      </p>
  </center>
</form>
<center>
```

```php
<table border="border" cellspacing="1" cellpadding="1" align="center">
    <tr> <th>SL No</th> <th> CUSTOMER ID</th> <th>CUSTOMER NAME</th> <th>MILK
TYPE</th> <th>TOTAL MILK in LTR</th> <th>TOTAL Taka</th>
    </tr>
    <?php
    if ($_SERVER["REQUEST_METHOD"] == "POST") {


        $ssn = $_POST["ssn"];

        $fromdate = $_POST["fromdate"];

        $todate = $_POST["todate"];


        echo '<h2 align="center">Bill Payment From ' . $fromdate . ' To ' . $todate . '</h2>';


        if ($ssn && $fromdate && $todate) {

            $presult = mysqli_query($mysql, "SELECT name, ssn, type, SUM(qty), SUM(total) FROM viewbill
WHERE ssn = '" . $ssn . "' AND date BETWEEN '" . $fromdate . "' AND '" . $todate . "'");

            $n = 1;

            $grandqty = 0;

            $grandtotal = 0;

        }


        while ($array = mysqli_fetch_row($presult)) {

            print "<tr>";

            print "<td align='center'> $n </td>";

            print "<td align='center'> $array[1] </td>";

            print "<td align='center'> $array[0] </td>";

            print "<td align='center'> $array[2] </td>";

            print "<td align='center'> $array[3] </td>";

            print "<td align='center'> $array[4] </td>";

            print "</tr>";
```

```php
      $n = $n + 1;

      $grandtotal = $grandtotal + $array[4];

   }

   mysqli_free_result($presult);

   mysqli_close($mysql);

}

?>
```

    <tr> <td colspan="5" align="right"> Grand Total Taka </td> <td align="center"> <?php echo("$grandtotal") ?> </tr>

  </table>

  <!-- <center>   Print </center> -->

</body>

</html>

getallcustomerdetail Code:

```php
<?php
   session_start();
   if (!isset($_SESSION['User'])){
      header("location:login.php");
   }
?>
```

<!DOCTYPE HTML>

<html>

  <head>

    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">

    <title>All Customer Information</title>

    <style>

      .a{background-image: url(img/5.jpg);

```
        background-size: cover;

      }

    </style>

  </head>

  <?php

  $mysql = mysqli_connect("localhost", "group_3", "3949");

  mysqli_select_db($mysql, "dairy");

  $sql = 'SELECT * FROM customer';

  ?>

  <body class="a">

    <h3><a href="index.php">HOME</a></h3>

    <table border="1" cellspacing="5" cellpadding="5" align="center">

      <caption><strong>DAIRY-CUSTOMER-DETAILS</strong></caption>

      <tr align="center"><th>CUSTOMER ID</th><th>CUSTOMER
NAME</th><th>ADDRESS</th><th>MILK TYPE</th></tr>

      <?php

      $result1 = mysqli_query($mysql, $sql);

      while ($array = mysqli_fetch_row($result1)) {

        print"<tr align='center'>";

        print"<td> $array[0]</td>";

        print"<td> $array[1]</td>";

        print"<td> $array[2]</td>";

        print"<td> $array[3]</td>";

        print"</tr>";

      }

      mysqli_free_result($result1);

      ?>

    </table>

  </body>

</html>
```