

PROJECT REPORT
ON
“ DairyDome”
FOR
Dudh Utpadak Sahkari Sanstha Maryadit, Advihir
BY
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SAVITRIBAI PHULE PUNE UNIVERSITY
MASTERS OF COMPUTER APPLICATION



**ATSS's INSTITUTE OF INDUSTRIAL & COMPUTER
MANAGEMENT & RESEARCH
PUNE 411044**

2023-2024

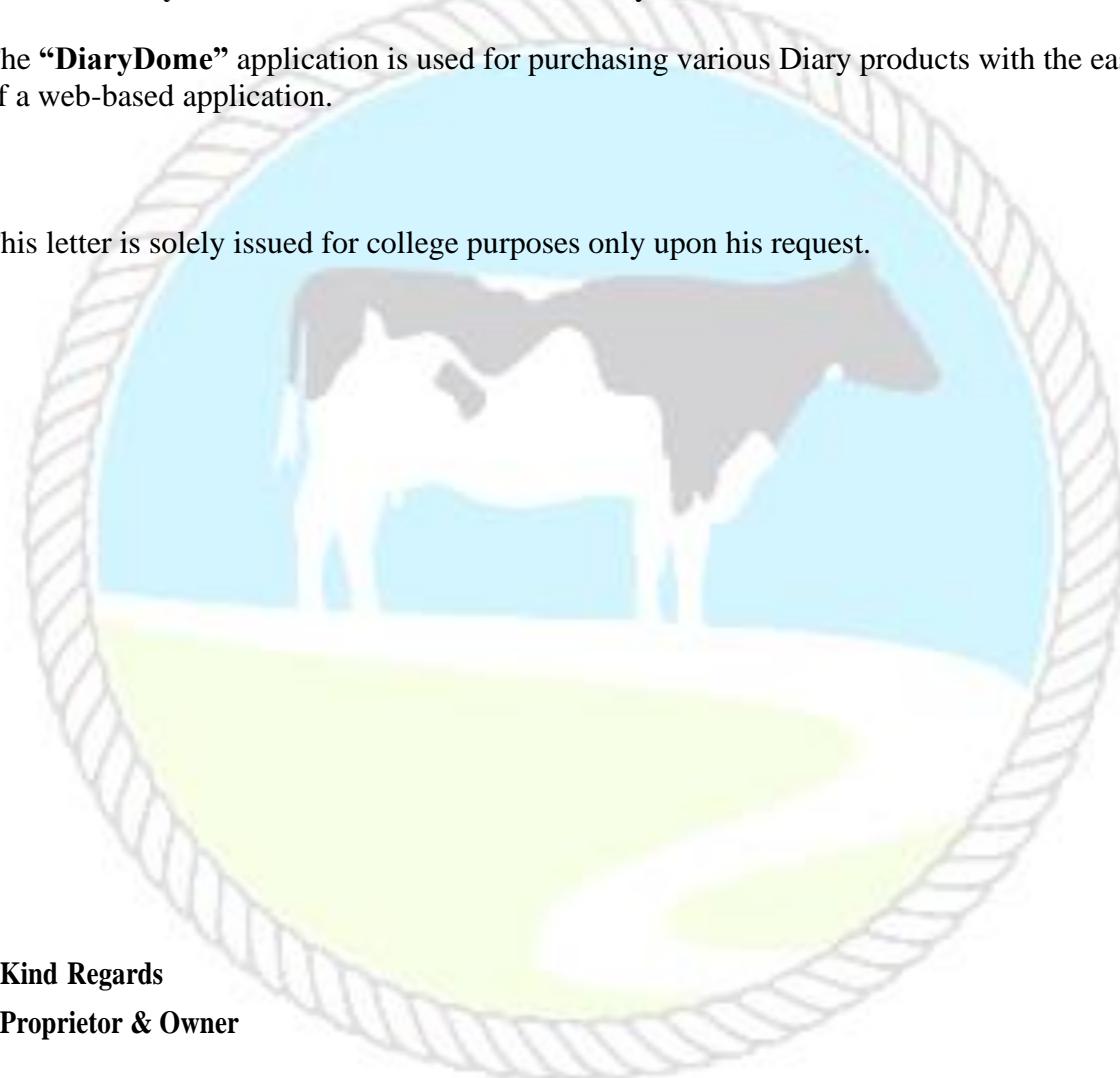
CERTIFICATE

Dudh Uthpadak Sahakari Sanstha Maryadit Advihir

This is to certify that **Mr. Prasad Ravindra Patil** of **Institute of Industrial and Computer Management and Research (IICMR), Pune** pursuing his full-time Master's Degree in Computer Applications, has successfully completed the project assigned to him entitled "**DiaryDome**" from Dec 5, 2023, to date by our institute.

The "**DiaryDome**" application is used for purchasing various Diary products with the ease of a web-based application.

This letter is solely issued for college purposes only upon his request.



Kind Regards
Proprietor & Owner

(Ravindra Patil)

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Acknowledgement

I own my sincere gratitude to all those people who have given me their constant support and encouragement without which my project report would not reached this stage.

I would like to express my thanks to **Mrs. Swati Kirange** from her advice and encouragement. She has been pillar of strength through the project till preparation of this report and helped by boosting morale, so I could surmount the difficulties that came across the completion of this project.

I would like to express my gratitude to **Dr. Deepali Sawai**, Director, IICMR College Pune. And **Prof. Renu Mathew**. Head of computer department for the support and infrastructure they have provided, so I could successfully complete the project on time.

Last but not the least I would like to express my sincere thanks to all staff members and friends for their help and cooperation in all phases of project .

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Chapter 1. INTRODUCTION

1.1 Abstract: -

- In the fast-moving world, most people do not have the time to step out of their door to buy dairy products.
- Faster Process: To ensure customers get their desired products, the Dairy Shop Management system will provide a faster response to complete transactions efficiently.
- Centralized: All data and activities related to the application will be kept in a single place, making it easy to monitor and manage the application while providing the best services to customers.
- Designed for Accessibility: The system is designed so that users can view all updates of products from any place through an online interface.
- Convenient Online Ordering: Customers can place orders online, reducing the need for physical visits to the shop and saving valuable time.
- User-Friendly Interface: The system is designed with an intuitive and user-friendly interface, making it easy for customers to navigate and find what they need quickly.
- Secure Transactions: The application will ensure secure payment processing, protecting customers' financial information with robust security measures.
- Feedback Mechanism: Customers can easily provide feedback on products and services, helping the shop to continuously improve and cater to customer preferences.
- Mobile Accessibility: The application will be accessible on smartphones and tablets, providing convenience for customers to order products on the go.
- Scalability: Designed to grow with the business, the system can easily accommodate additional products, services, or branches as needed.
- Data Privacy: The system will adhere to data privacy regulations, ensuring that customer information is protected and used responsibly.
- Environmental Benefits: By reducing the need for physical visits to the shop, the system can contribute to lower carbon emissions and promote sustainability.

1.2 Existing System and Need of System: -

❖ Existing System: -

- An existing system provides manual paperwork or an Excel sheet to track the buying and selling product details.
- The customer has to go to the medical shop where they can get the required dairy products. Most of the time, the customer does not get the required product, resulting in wasting a lot of time searching for products at different locations.
- In the existing system, you cannot provide feedback on the service provided to the admin (shopkeeper) directly.
- Inventory updates in the existing system are slow and often inaccurate, leading to stock discrepancies.
- The current system does not support real-time notifications for customers about product availability.
- The existing system lacks an online ordering feature, requiring customers to physically visit the shop for purchases.
- There is no integrated loyalty program to reward frequent customers.
- The current system does not offer personalized product recommendations based on customer purchase history.
- Managing customer records and purchase history is cumbersome and inefficient with the existing system.
- The existing system does not support multiple payment options, limiting customer convenience.
- The system does not provide sales analytics and reports, making it difficult for shopkeepers to analyze business performance.
- There is no centralized database, making it challenging to manage multiple branches or outlets effectively.
- The current system does not offer delivery tracking for customers who place orders for home delivery.
- The existing system lacks the capability to manage promotional campaigns and discounts efficiently.
- There is no user authentication and authorization mechanism, which could lead to security concerns.

❖ Need Of System: -

- The new system is a completely web-based application, designed to greatly benefit customers in managing their dairy product purchases.
- A new system provides features like time efficiency to show product details and allows customers to provide feedback directly to the admin (shopkeeper).
- This system offers a wide variety of dairy products.
- The purchasing process is made easy and convenient for the customer.
- The new system supports online ordering and home delivery services.
- Customers receive real-time notifications about product availability and special promotions.
- The system includes a secure payment gateway supporting multiple payment options.
- There is an integrated loyalty program to reward frequent customers.
- The new system allows for personalized product recommendations based on customer purchase history.
- Inventory management is automated, ensuring accurate stock levels and minimizing discrepancies.
- Sales analytics and reports are available to help shopkeepers analyze business performance.
- The system supports multiple user accounts with role-based access controls for enhanced security.
- Customers can track their orders and delivery status in real-time.
- Promotional campaigns and discounts can be managed efficiently through the system.
- The new system offers multilingual support to cater to a diverse customer base.
- It includes a user-friendly interface for both customers and shopkeepers, making it easy to navigate and use.

- The system ensures data privacy and protection with robust security features.
- Customers can access their purchase history and receipts online.
- The system is scalable, allowing easy expansion to manage multiple branches or outlets.
- The new system integrates with social media platforms for enhanced customer engagement and marketing.

1.3 Scope of System: -

- The Dairy Shop Management system will keep detailed records of both dairy products and customers.
- The system will be primarily designed for small shops that sell dairy products to customers.
- The application will have the ability to carry out transactions efficiently.
- This system will automate the process of buying and selling products.
- The system will provide an intuitive user interface for easy navigation and operation.
- The application will support inventory management, automatically updating stock levels with each transaction.
- It will include a customer database to store detailed information about each customer, including purchase history and preferences.
- The system will generate detailed sales reports and analytics to help shopkeepers track performance and make informed business decisions.
- It will support multiple payment options, including credit/debit cards, digital wallets, and cash.
- The application will enable online ordering and home delivery, offering convenience for customers.
- It will feature a feedback mechanism for customers to directly communicate with the shopkeeper, improving service quality.
- The system will include promotional tools to manage discounts, special offers, and loyalty programs.
- It will provide real-time notifications to customers about new products, restocks, and special promotions.
- The application will support multi-user access with role-based permissions to ensure secure and efficient operation.
- It will include data backup and recovery features to protect against data loss.
- The system will be scalable, allowing easy expansion to accommodate additional products or branches as the business grows.
- It will offer product categorization and search functionality to help customers easily find what they need.
- The application will support integration with accounting software to streamline financial management.
- It will ensure compliance with local regulations regarding product labeling, pricing, and transaction records.
- The system will feature customizable settings to tailor the application to the specific needs of each shop.
- It will provide mobile accessibility, allowing shopkeepers and customers to use the system on smartphones and tablets.
- The application will include security features to protect against unauthorized access and data breaches.
- It will offer customer support and training resources to help shopkeepers make the most of the system.

1.4 Operating Environment – Hardware and Software: -

Hardware Requirements:

Processor	i5
Hard Disk	28 GB or More
RAM	4 GB or More
Operating System	Windows or Any

Software Requirements:

IDE	VS Code
Python Version	3.9.13
Django Version	3.2
Operating System	Any
DataBase	SQLite
Browser	Any

1.5 Technology Used: -

1. Java script:

- JavaScript is a script-based programming language developed by Netscape Communication Corporation. JavaScript originally called Live Script and renamed as JavaScript to indicate its relationship with Java.

2. HTML:

- HTML, an initialize of Hypertext Markup Language, is the predominant markup language for web pages. It provides a means to describe the structure of text-based information in a document.

3. CSS:

- Cascading Style Sheets is a style sheet language used for describing the presentation of a
- document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

4. BOOTSTRAP4:

- Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

5. MySQLite:

- SQLite is a C-language library that implements a small, fast, self-contained, high-reliability, full-featured, SQL database engine. SQLite is the most used database engine in the world. SQLite is built into all mobile phones and most computers and comes bundled inside countless other applications that people use every day.

6. Python:

- Python has a simple syntax similar to the English language. Python has syntax that allows developersto write programs with fewer lines than some other programming languages. Python runs on an interpreter system, meaning that code can be executed as soon as it is written.

Chapter 2. Proposed System

Study of Similar System: -

- Managing the process of customer registration can be extremely time consuming and tedious.
- When these things are done manually, the process takes long time and is very inefficient.
- Here we take a look at how intelligent automation and software improves the management process

Feasibility Study: -

1) Technical feasibility:

- The proposed system is technically feasible on account of following reason:
- The system is being developed in Visual Studio Code and MySQLite (Database).
- The hardware and software requirement to operate or develop the system is easily available thus it is technically feasible.

2) Economical feasibility: -

- The technique of cost benefit analysis is used to access the economical feasibility. It is finding that the proposed system is more cost effective than existing system due to following reasons:
 - Automation process reduces processing time, which results in saving of valuable resources.
 - The system seems to be quite cost effective because by limited persons, variety of job carried out effectively, accurately, reliable, economically with the help of machine.
 - Maintenance cost is reduced, as there is no need of maintaining some data in various records from various documents.
 - There is no need of extra employees it reduces cost.
 - No need of extra registers, which too reduces the expenses.

3) Operational feasibility: -

- The proposed system is operationally feasible due to following reasons:
 - The design system uses systematic approach.
 - It provides operating requirement of organization effectively; it gives auto generated reports.
 - The end user need not necessarily be a computer professional to operate the system and no special training is required for operating system.
 - Any person can acquaint himself to the system with little practice.

2.3 Objectives of Proposed System: -

- To manage and maintain data more easily through this web application.
- To ensure the system is user-friendly to satisfy the users' needs.
- To provide results very quickly.
- To allow users to securely store and organize their diary entries.
- To enable easy retrieval and editing of past entries.
- To offer customizable templates for diary entries to suit different users.
- To support multimedia attachments such as photos and audio recordings within entries.
- To ensure data privacy and protection with robust security features.
- To integrate with calendars and reminders for better diary management.
- To provide a search function to quickly find specific entries or topics.
- To offer synchronization across multiple devices for convenient access.
- To include options for exporting and sharing diary entries.
- To provide analytics and insights on diary usage patterns.

2.4 Users of System: -

❖ Farm Owners/Managers:

- Farm owners or managers oversee the entire dairy operation. They use the system to monitor key performance indicators, manage finances, make strategic decisions, and ensure compliance with regulations. They may also use the system to communicate with other stakeholders and track overall farm productivity and profitability.

❖ Farm Workers/Operators:

- Farm workers and operators are responsible for the day-to-day tasks involved in dairy farming, such as feeding animals, milking, monitoring health, and maintaining facilities. They use the system to access task lists, record observations, manage inventory, and follow protocols for animal care and farm management.

❖ Veterinarians:

- Veterinarians play a crucial role in ensuring the health and well-being of dairy animals. They use the system to access animal health records, schedule appointments, track treatments and medications, and provide recommendations for disease prevention and management. The system may also facilitate communication between veterinarians and farm staff.

❖ Feed Suppliers:

- Feed suppliers provide the necessary feed and nutritional supplements for dairy animals. They may use the system to receive orders, manage inventory, track deliveries, and provide recommendations for optimizing feed formulations based on animal requirements and production goals.

❖ Milk Processors/Handlers:

- Milk processors or handlers collect and process the milk produced on the farm. They use the system to schedule milk pickups, record milk quantities and quality parameters, ensure compliance with food safety standards, and maintain traceability throughout the supply chain. Integration with milk testing equipment and regulatory databases may also be essential for this user group.

Chapter 3. Analysis and Design

3.1 System Requirements (Functional and Non-Functional): -

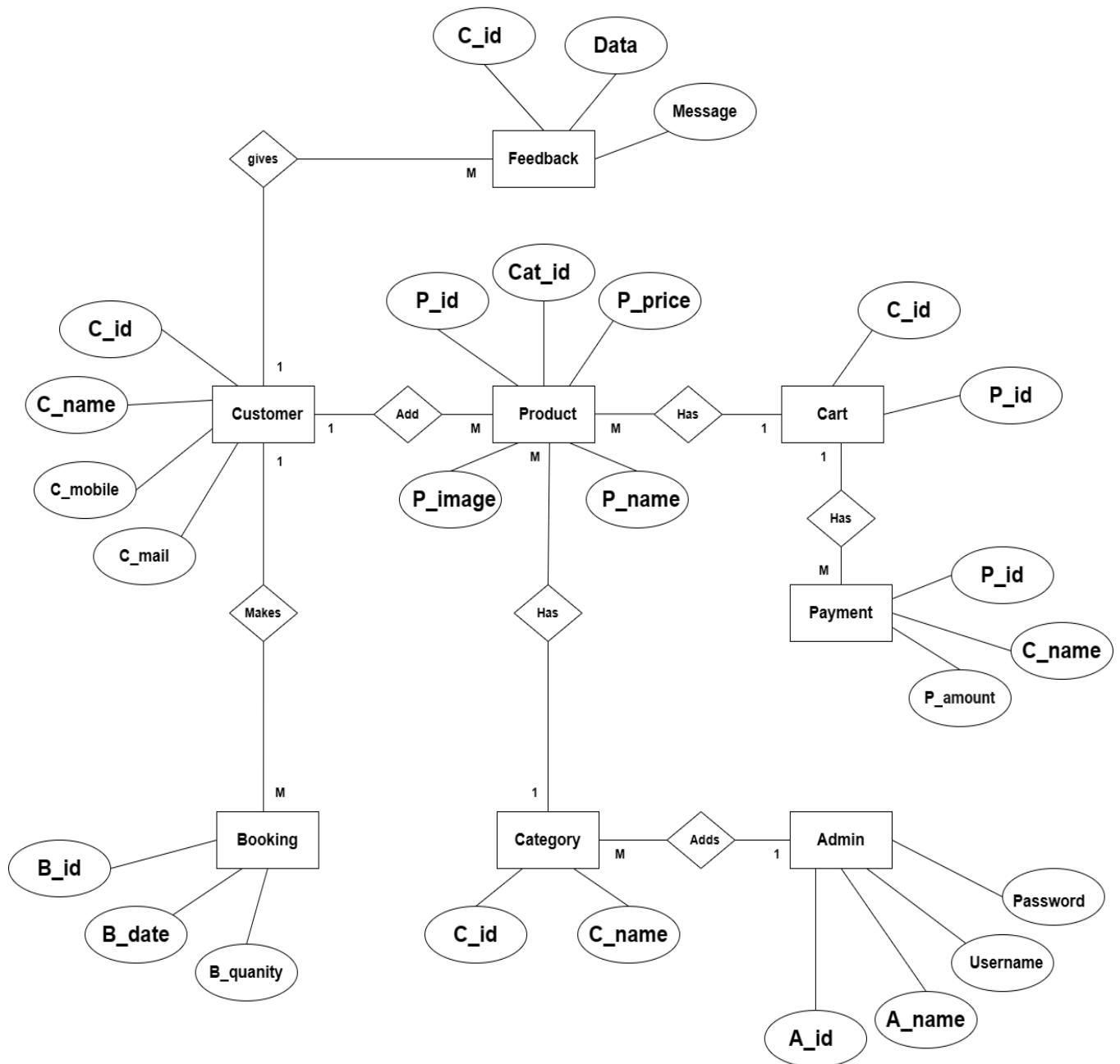
3.1.1 Functional Requirements: -

- Customer can register in this system.
- Customers can order products online of there choice.
- Seller can keep there products for selling easily.
- 24/7 support.

3.1.2 Non-Functional Requirements: -

- **Efficiency:** This website provides a user-friendly interface to the admin, and customerand it can be easily accessible.
- **Availability:** This web application is available 24/7 anywhere with user machine.
- **Usability:** DairyDome would be easy to use and also provide a user-friendly environmentfor admin and customer.
- **Reliability:** The system would provide the reliable environment. All the tasks wouldperform easily.
- **Ease of Use:** The proposed system will be user-friendly and would provide a GraphicalUser Interface (GUI).

3.2 Entity Relationship Diagram: -



3.3 Table Structure: -

1. Customer(login)

Name	Type	Null	Constraints
id	int(10)	No	Primary Key
UserName	varchar(30)	No	-
Password	varchar(128)	No	-

2. product

Name	Type	Null	Constraints
id	Int	No	Primary key
image	varchar(100)	No	-
name	varchar(30)	No	-
price	Int	No	-
desc	Text	No	-
category_id	Int	No	Foreign Key

3. category

Name	Type	Null	Constraints
id	Int	No	Primary key
name	varchar(30)	No	-

4. booking

Name	Type	Null	Constraints
Product id	Int	No	Foreign Key
book	varchar(30)	No	-
total	Int	Yes	-
booking_id	varchar(20)	Yes	Primary key
profile_id	Integer	Yes	Foreign Key
quality	varchar(100)	No	-
status_id	Integer	No	-

5. cart

Name	Type	Null	Constraints
id	Int	No	Primary key
product_id	Int	Yes	Foreign Key
profile_id	Int	Yes	Foreign Key

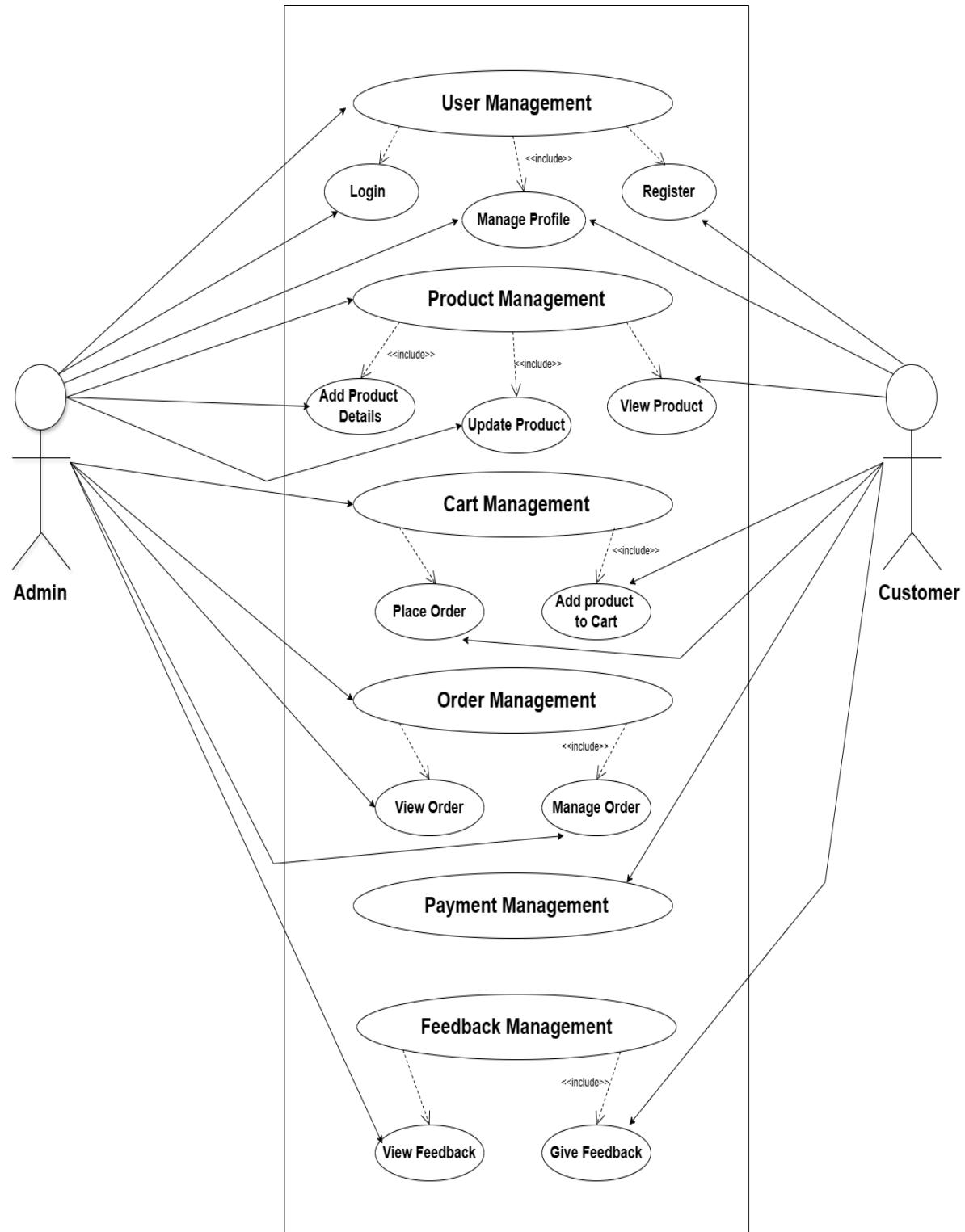
6. profile(customer registration)

Name	Type	Null	Constraints
id	Int	No	Primary key
password	varchar(128)	Yes	-
username	varchar(50)	Yes	-
last_name	varchar(50)	Yes	-
email	varchar(50)	Yes	-
first_name	varchar(50)	Yes	-

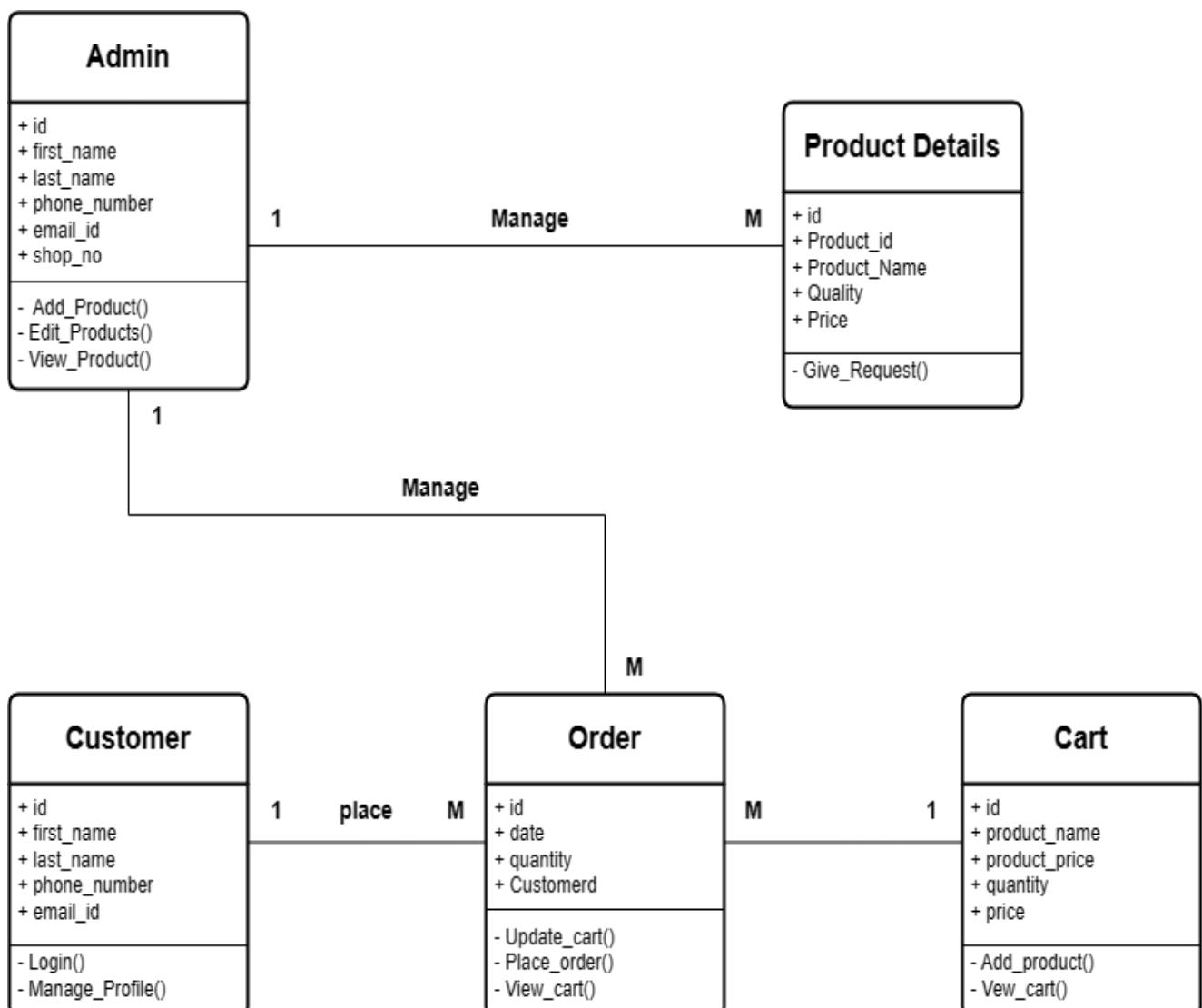
7. feedback

Name	Type	Null	Constraints
Id	Int	No	Primary key
Message	Text	No	-
Date	varchar(30)	No	-
profile_id	Int	No	Foreign Key

3.4 Use Case Diagram: -

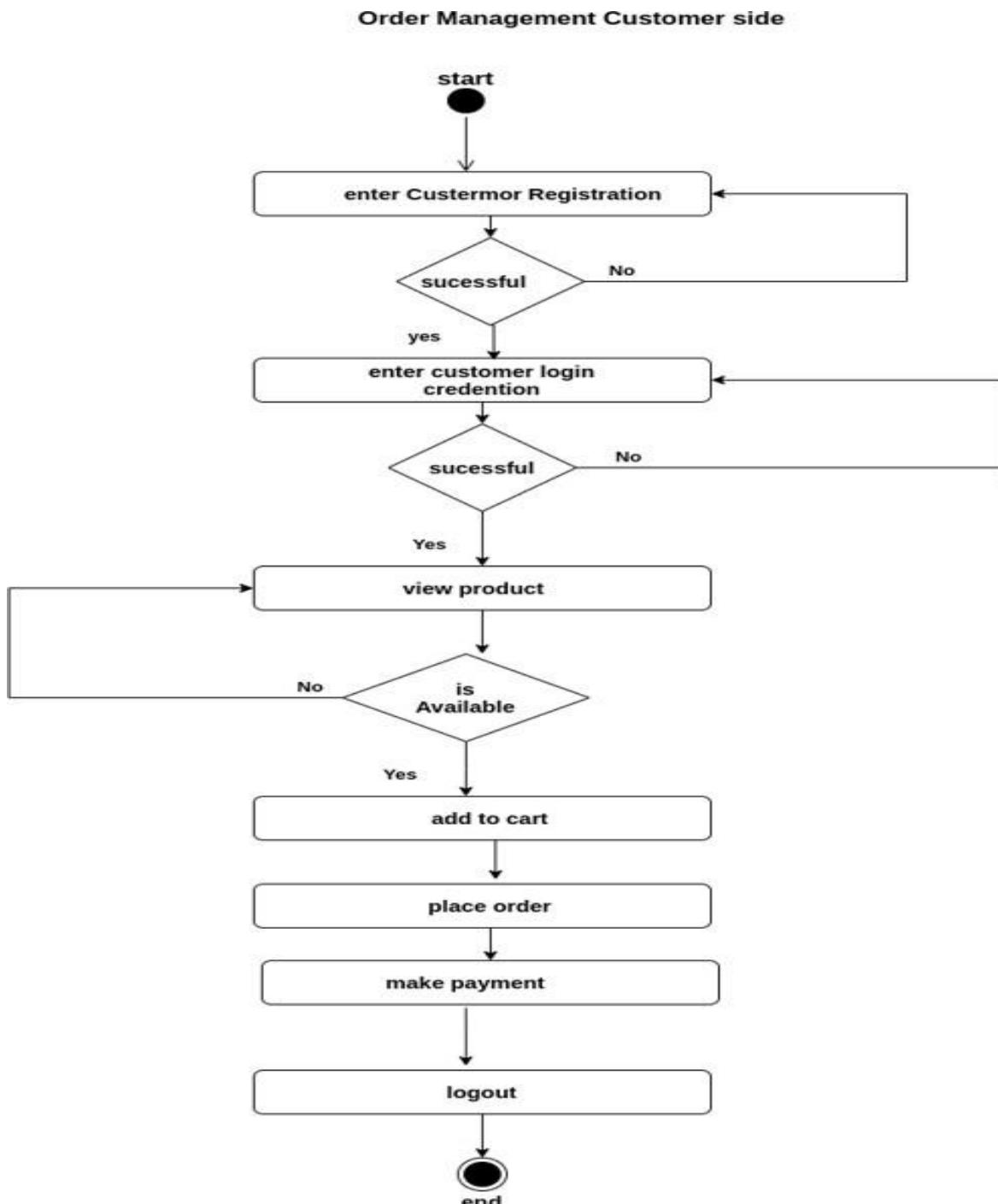


3.5 Class Diagram: -

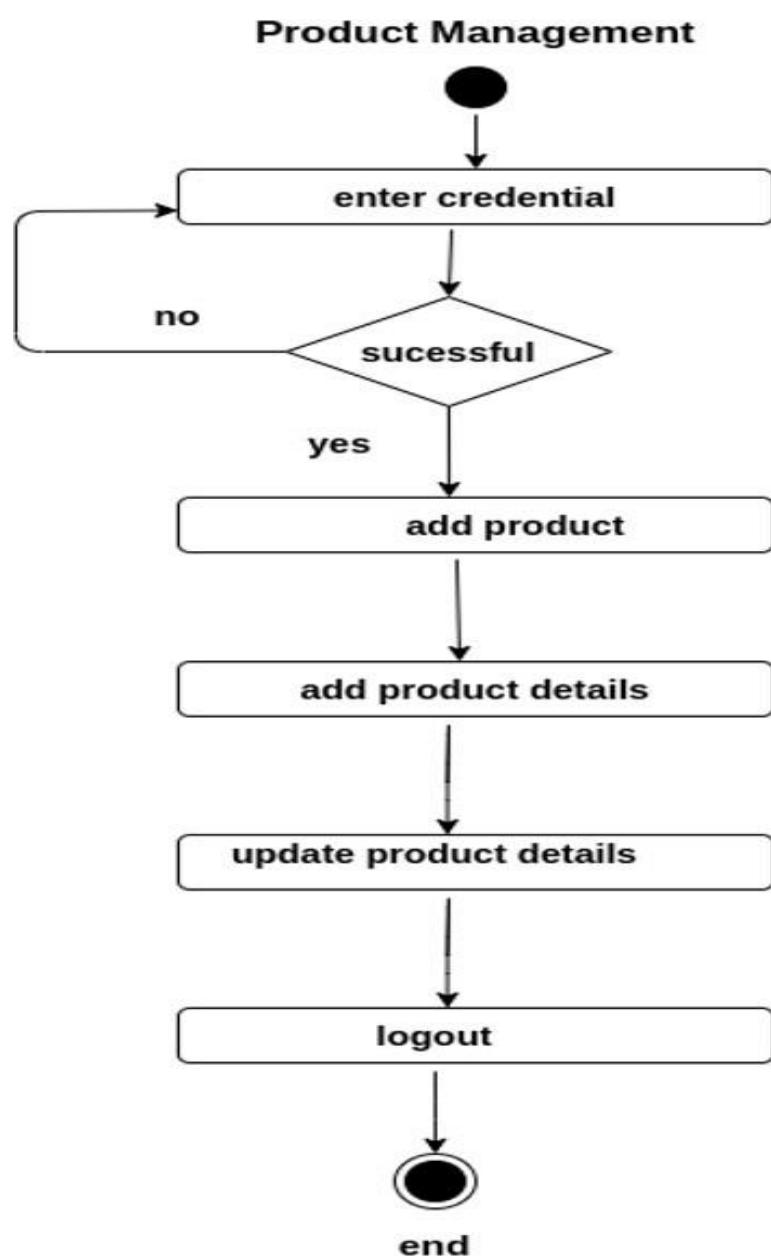


3.6 Activity Diagram: -

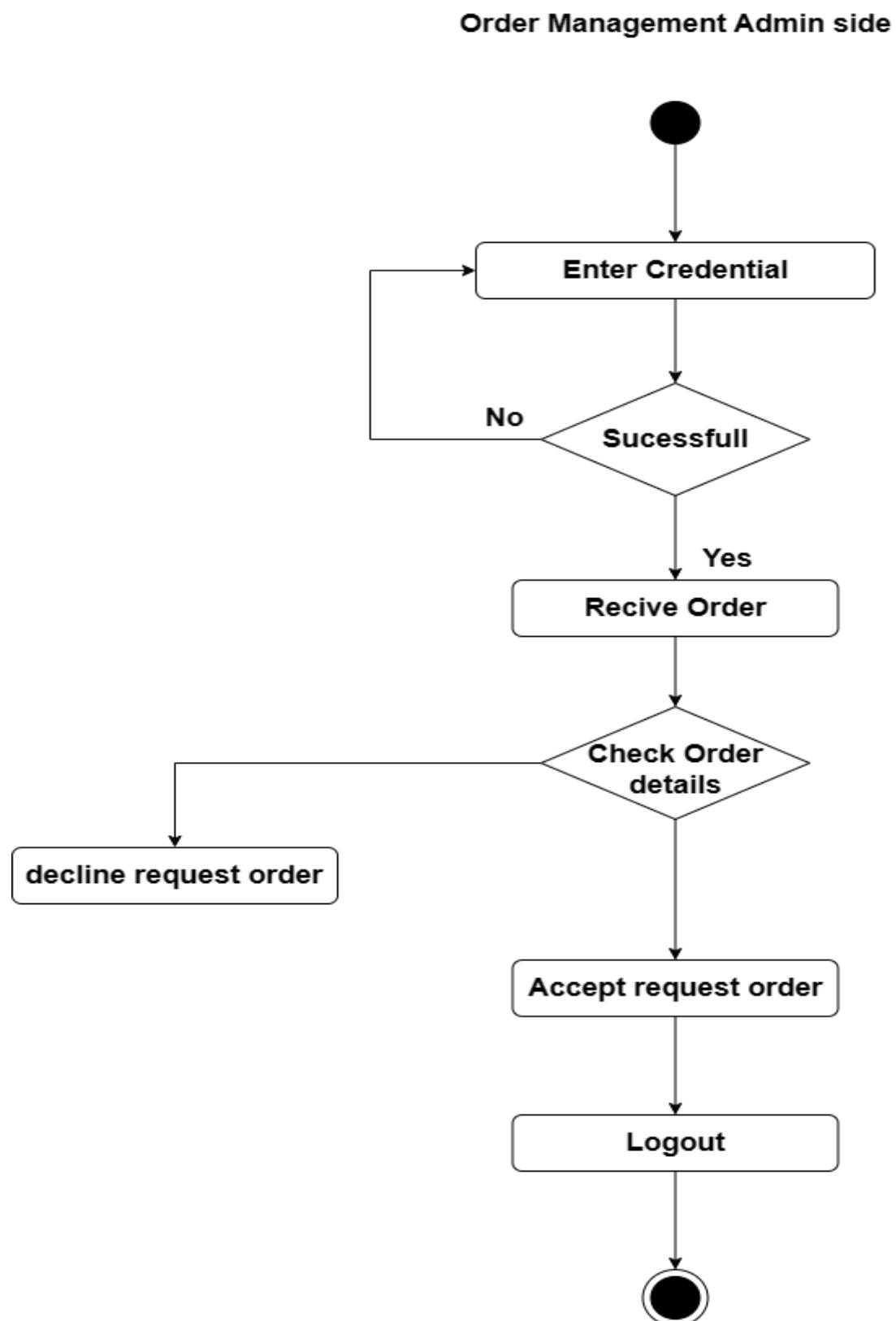
1. Order Management Customer Side:



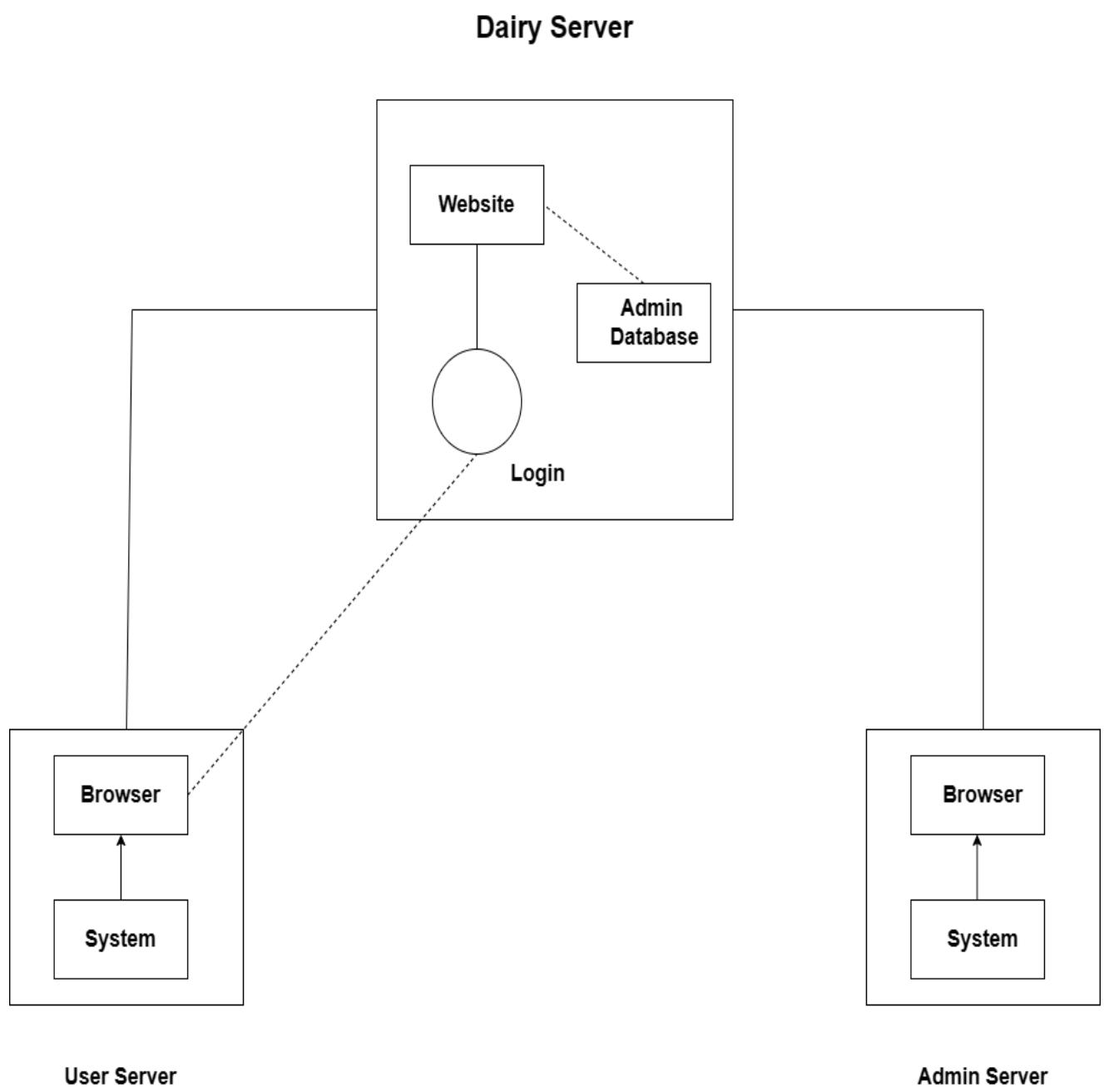
3.7 Product Management :-



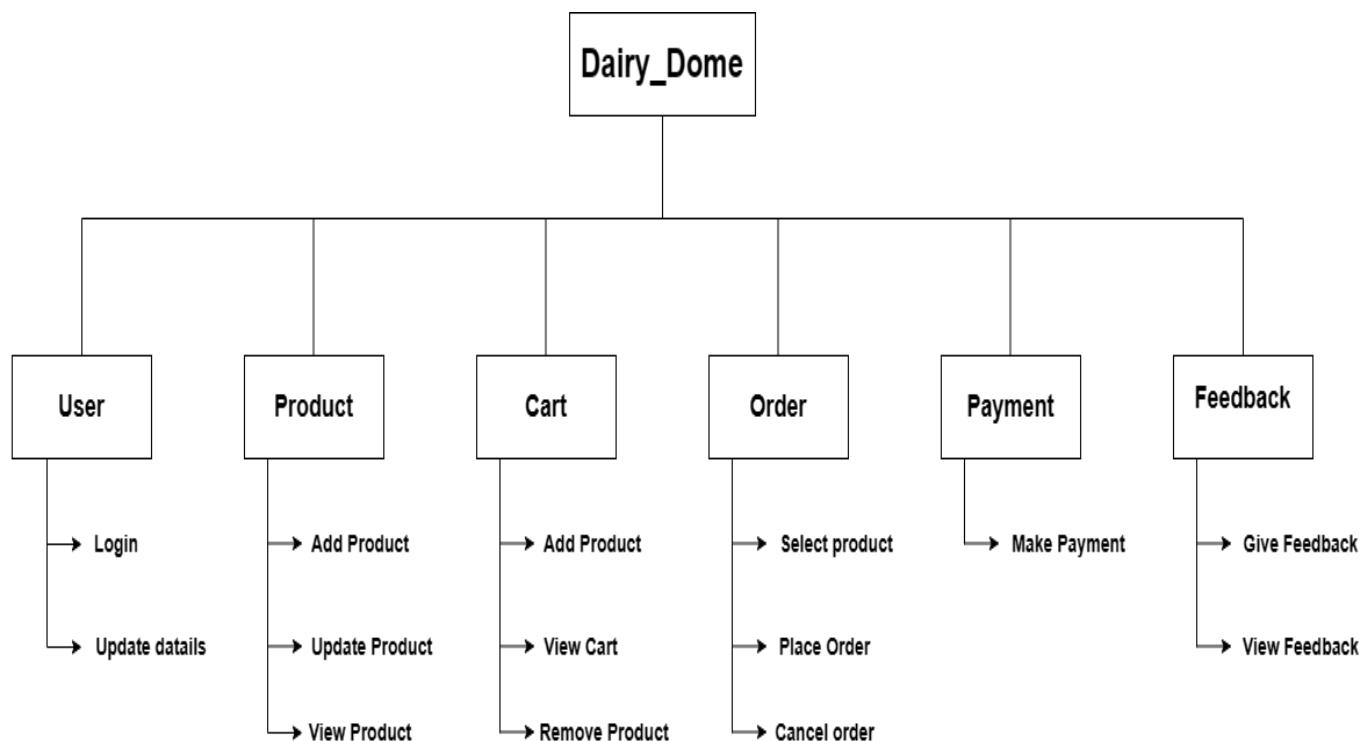
3.8 Order Management Admin side:



3.9 Deployment Diagram: -



3.10 Module Hierarchy Diagram: -

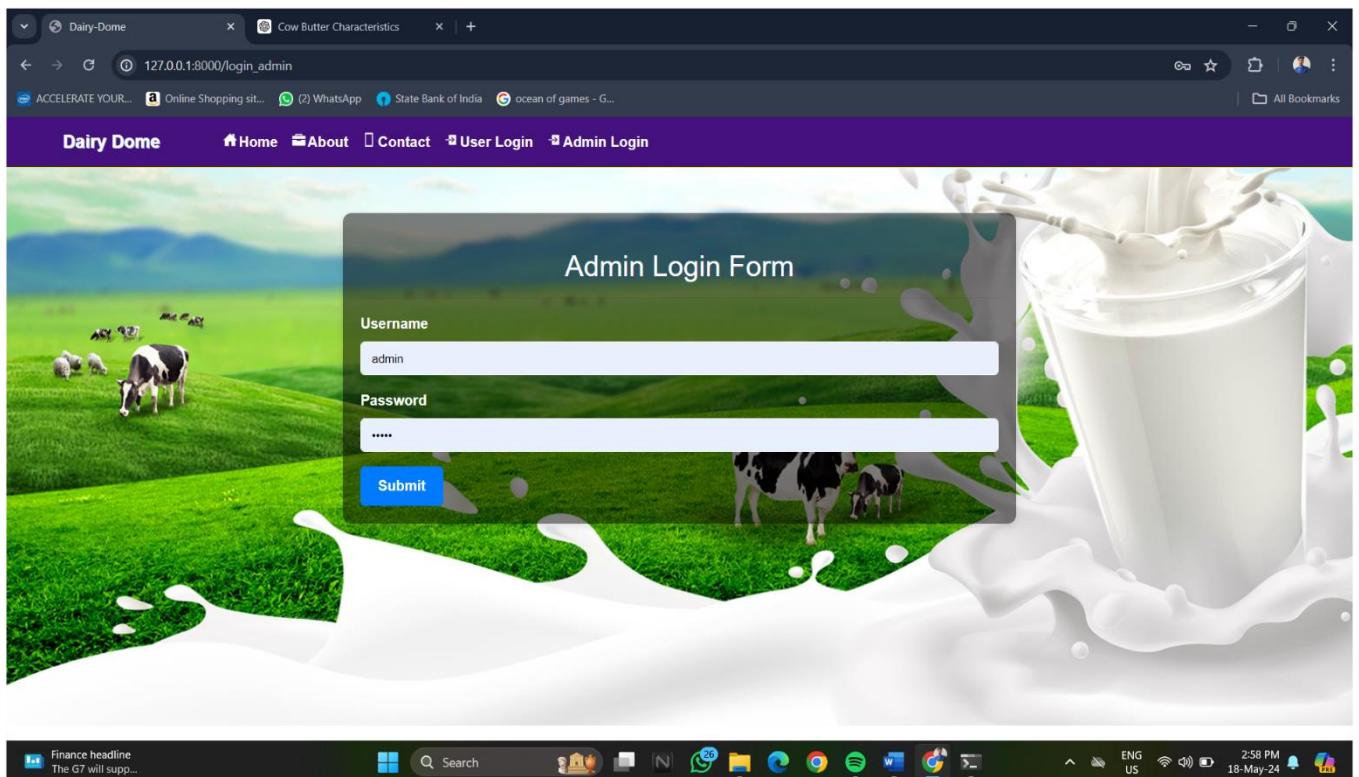


3.11 Sample Input and Output Screens:-

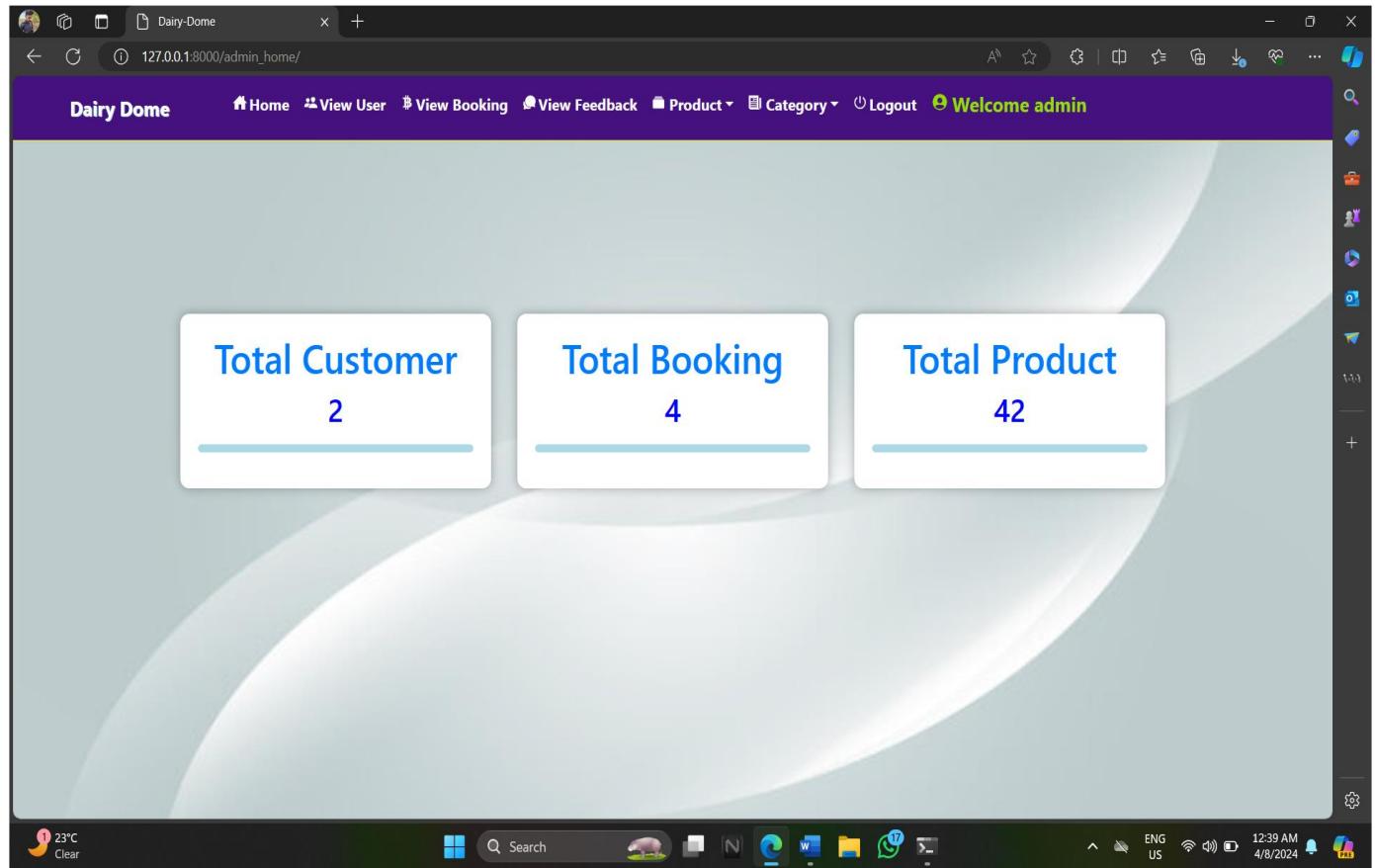
Screens: - Sample Input

❖ Admin Side Screen:-

➤ Login Page:-



➤ **Home Page:-**



➤ View User:-

Dairy Dome

Home View User View Booking View Feedback Product Category Logout Welcome admin

View User Detail

Image	First Name	Last Name	Contact	City	Email Id	Delete
	Prasad	Patil	9604126194	Pune	PRASADPATIL24212@gmail.com	<button>Delete</button>
	Nitin	Bhopale	9284626844	Advihir	nitin123@gmail.com	<button>Delete</button>

Show 10 entries Search:

Showing 1 to 2 of 2 entries

Previous 1 Next

23°C Clear

Search

12:41 AM 4/8/2024

➤ View Booking:-

The screenshot shows a web browser window titled 'Dairy-Dome' with the URL '127.0.0.1:8000/admin_viewBooking'. The page has a purple header bar with the text 'Dairy Dome' and navigation links: Home, View User, View Booking, View Feedback, Product, Category, Logout, and Welcome admin. Below the header is a red-bordered section containing a table titled 'View Booking'. The table has columns for Sr. No, Booking ID, Booking Date, Customer name, Email Id, Quantity, Total, Status, View Product, and Cancel Booking. There are four rows of data:

Sr. No	Booking ID	Booking Date	Customer name	Email Id	Quantity	Total	Status	View Product	Cancel Booking
1	nitin123.320.320	April 5, 2024	nitin123	nitin123@gmail.com	2	908	pending	detail	cancel
2	nitin123.324	April 6, 2024	nitin123	nitin123@gmail.com	1	320	delivered	detail	cancel
3	PrasadPatil.354.368.381	May 17, 2024	PrasadPatil	PRASADPATIL24212@gmail.com	3	293	in progress	detail	cancel
4	PrasadPatil.353.373.360	May 17, 2024	PrasadPatil	PRASADPATIL24212@gmail.com	3	348	pending	detail	cancel

At the bottom of the page, there is a status bar showing weather (10°F Sunny), system icons, and the date/time (18-May-24, 2:51 PM).

➤ View Feedback:-

The screenshot shows a web browser window titled "View Feedback" with the URL "127.0.0.1:8000/view_feedback". The browser's toolbar includes various icons like ACCELERATE YOUR..., WhatsApp, State Bank of India, and ocean of games - G... The main content area has a purple header bar with the text "Dairy Dome" and navigation links: Home, View User, View Booking, View Feedback, Product, Category, Logout, and Welcome admin. Below the header is a section titled "View Feedback". A table displays two entries:

Username	Contact Number	Email Id	Date	Message	Remove
nitin123	9284626844	nitin123@gmail.com	April 5, 2024	Product: [Panner] Rating: [*****] Feedback: I recently purchased [Panner] from your website, and I wanted to ... Read More	Delete
PrasadPatil	9604126194	PRASADPATIL24212@gmail.com	May 17, 2024	Product: [Strawberry Milk] Rating: [*****] Feedback: I recently purchased [Strawberry Milk] from your website, and I wanted to share my ... Read More	Delete

At the bottom of the table, it says "Showing 1 to 2 of 2 entries". The browser's taskbar at the bottom shows the Windows Start button, a search bar, and various pinned application icons. The system tray indicates the date as 18-May-24, the time as 2:52 PM, and the weather as 101°F Sunny.

➤ Add Product:-

The screenshot shows a web browser window with a purple header bar. The header bar contains the text "Dairy-Dome" and "Welcome admin". Below the header, the main content area has a title "Add Product". The form itself is titled "Product Name" and contains a text input field with the value "Curd". To the right of this is a "Product Image" section with a "Choose File" button and a file name "Desi.webp". Below this is a "Category" section with a dropdown menu set to "Curd" and a "Product Price" section with a text input field containing the value "38". Underneath these fields is a "Description" section containing the text: "Curd is a tangy, fermented dairy product made from milk, used in cooking, baking, and as a probiotic-rich food." At the bottom of the form is a blue "Submit" button.

Dairy-Dome Welcome admin

Add Product

Product Name	Product Image
Curd	Choose File Desi.webp
Category	Product Price
Curd	38
Description	
Curd is a tangy, fermented dairy product made from milk, used in cooking, baking, and as a probiotic-rich food.	

Submit

➤ View Product:-

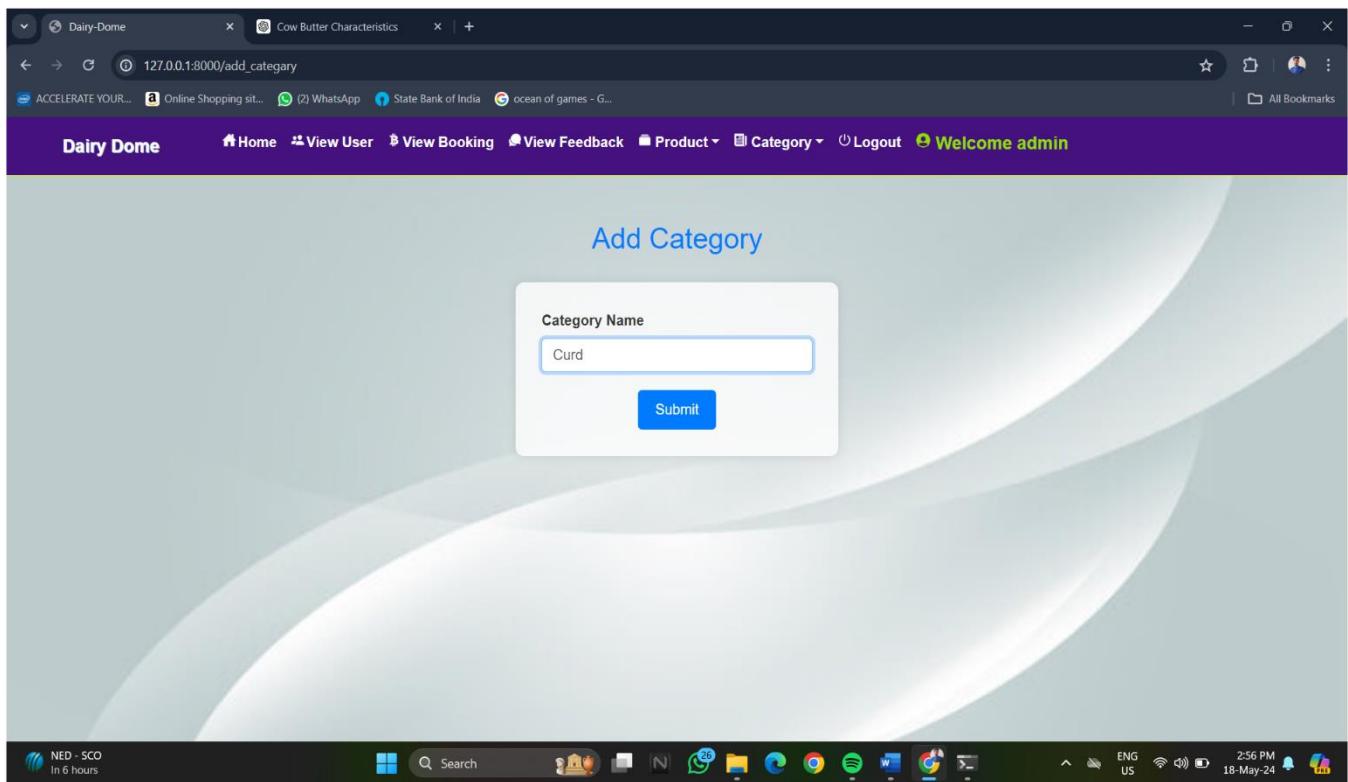
Screenshot of a web browser showing the 'View Product' page for 'Dairy-Dome'. The page displays a table of products with columns for Product Name, Image, Category, Price, Description, and Action.

The table data is as follows:

Product Name	Image	Category	Price	Description	Action
Badam-Milk		Sterilized Flavored Milk	40	Badam milk, also known as almond milk, is a beverage made from ground almonds and milk. It's typically sweetened and flavored with spices like saffron and cardamom, offering a creamy texture and nutty flavor.	<button>Delete</button>
Buffalo Milk		Milk	60	Buffalo milk is a creamy, nutrient-dense milk from buffaloes, known for its higher fat content, rich taste, and use in dairy products like mozzarella and paneer.	<button>Delete</button>
buttermilk-gravy		ButterMilk	38	"Buttermilk Gravy:(per glass 38) Tangy, Creamy, Flavorful; Perfect Accompaniment to Indian Dishes."	<button>Delete</button>
Chocolete-milk		Sterilized Flavored Milk	35	Chocolate milk is a sweetened milk beverage flavored with cocoa powder or chocolate syrup. It has a rich, creamy texture and a delicious chocolate flavor, making it a popular choice among children and adults alike.	<button>Delete</button>

The browser interface includes a top navigation bar with links for Home, View User, View Booking, View Feedback, Product, Category, Logout, and Welcome admin. The status bar at the bottom shows system information like weather (102°F, Sunny), date (18-May-24), and time (2:56 PM).

➤ Add Category:-



➤ View Catrgory:-

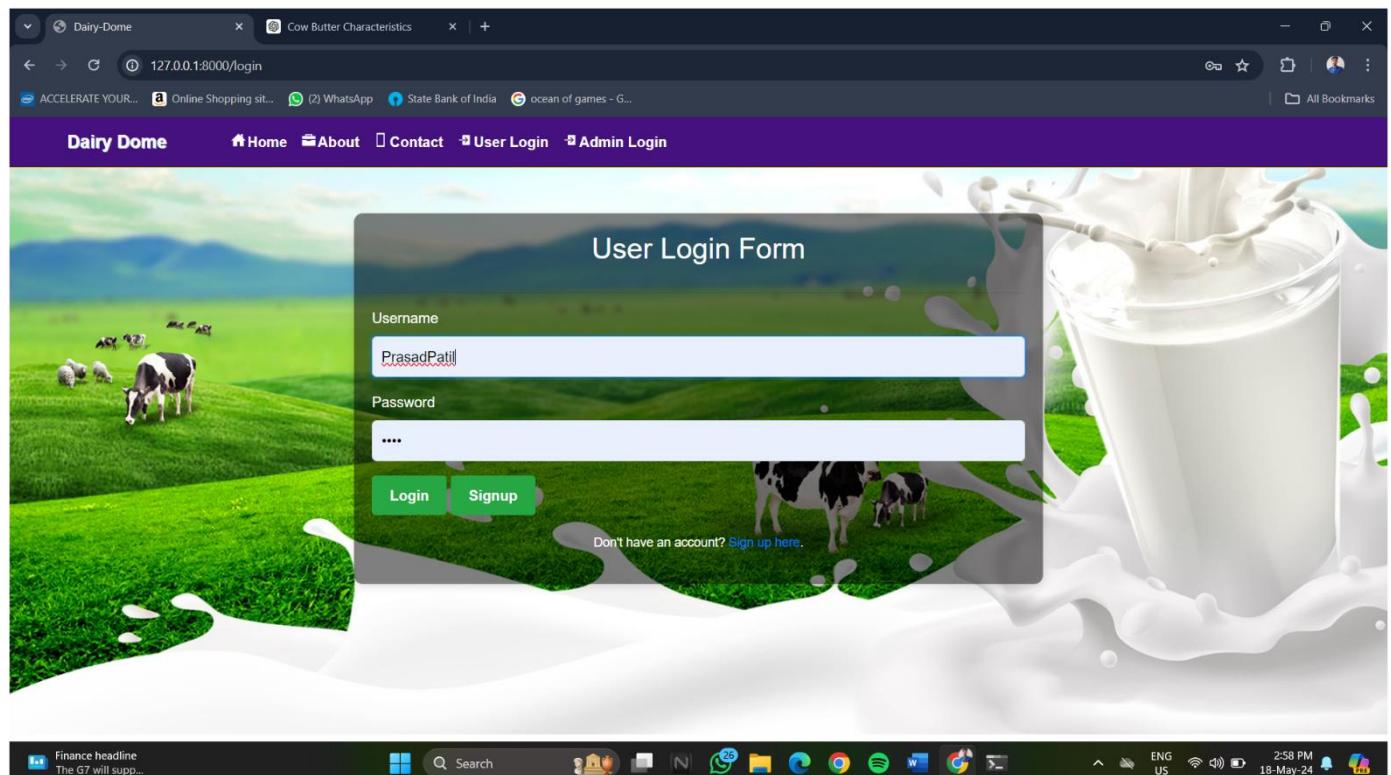
The screenshot shows a web browser window for 'Dairy-Dome' at the URL 127.0.0.1:8000/view_category/. The page title is 'View Category'. The main content area displays a table with the following data:

Product Name	Delete
Butter	<button>Delete</button>
ButterMilk	<button>Delete</button>
Curd	<button>Delete</button>
Ghee	<button>Delete</button>
Icecream	<button>Delete</button>
Milk	<button>Delete</button>
Milk Based Sweets	<button>Delete</button>

At the bottom of the screen, the Windows taskbar is visible, showing various system icons and the date/time (12:45 AM, 4/8/2024).

❖ User Side Screen:-

➤ User Login Page:-



➤ User Sign-Up Page:-

The screenshot shows a registration form titled "Registration Form" on a web browser. The form fields are as follows:

First Name	Last Name
Prasad	Patil

User Name	Password
PrasadPatil	****

Email	Contact
prasadpatil7174@gmail.com	9604126194

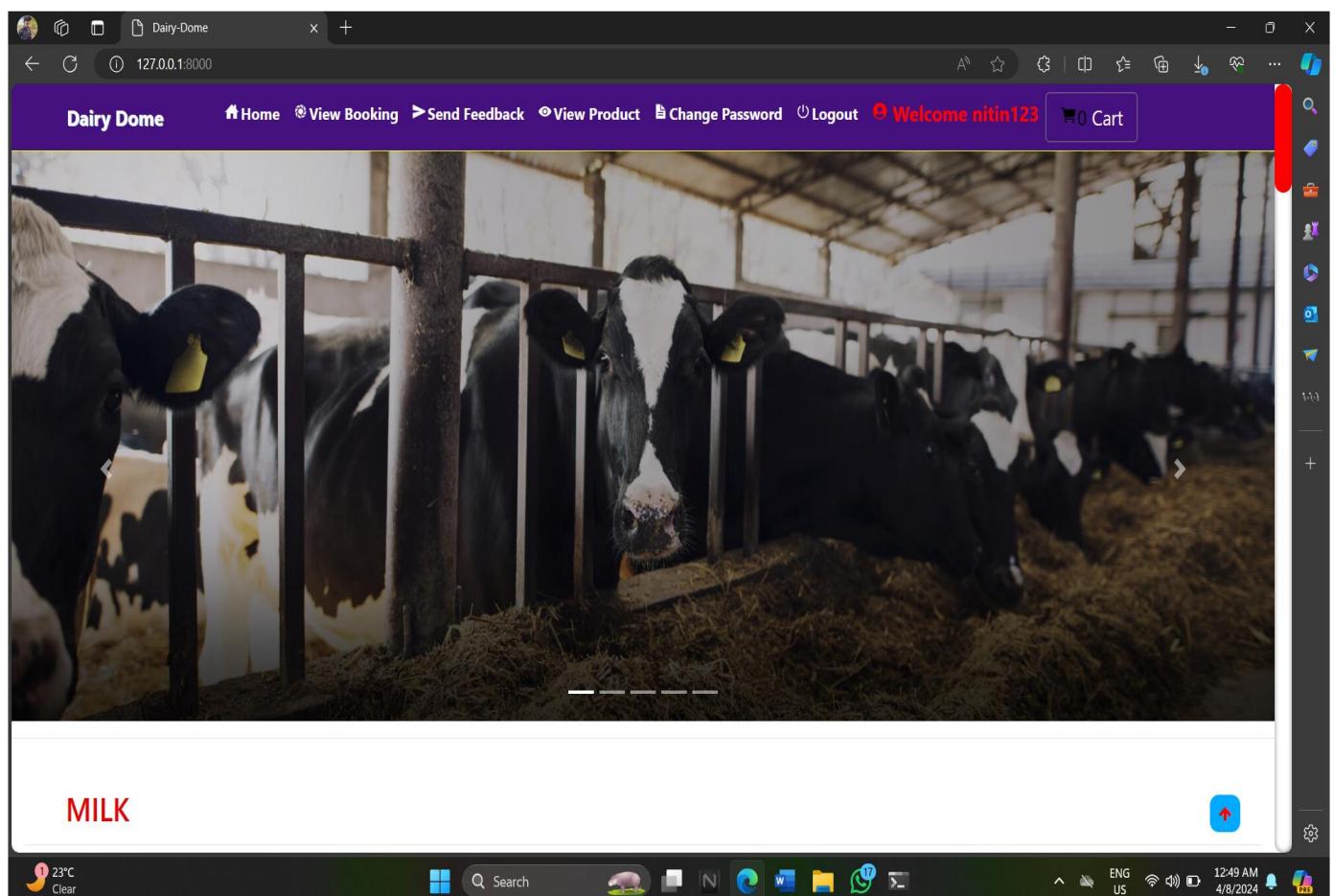
City	Date of Birth
Advihir	21-Jan-2002

Full Address	Image
ward no 3 front of grampanchayt ,Advihir	<input type="file"/> prasad Patil.jpg

Submit

At the bottom of the browser window, the taskbar shows various system icons and the date/time: 3:00 PM, 18-May-24.

➤ Home page:-



➤ View Booking:-

Dairy-Dome

Home View Booking Send Feedback View Product Change Password Logout Welcome nitin123 Cart

View Booking

Show 10 entries Search:

Sr. No	Booking ID	Booking Date	Quantity	Total	Status	View Product	Cancel Booking
1	nitin123.320	April 5, 2024	1	454	in progress	Detail	Cancel
2	nitin123.364	April 5, 2024	1	1	in progress	Detail	Cancel
3	nitin123.320.320	April 5, 2024	2	908	pending	Detail	Cancel
4	nitin123.324	April 6, 2024	1	320	delivered	Detail	Cancel

Showing 1 to 4 of 4 entries Previous 1 Next

23°C Clear

Search

12:49 AM 4/8/2024

Dairy-Dome

Home View Booking Send Feedback View Product Change Password Logout Welcome PrasadPatil Cart

View Booking

Show 10 entries Search:

Sr. No	Booking ID	Booking Date	Quantity	Total	Status	View Product	Cancel Booking
1	PrasadPatil.354.368.381	May 17, 2024	3	293	in progress	Detail	Cancel
2	PrasadPatil.353.373.360	May 17, 2024	3	348	pending	Detail	Cancel

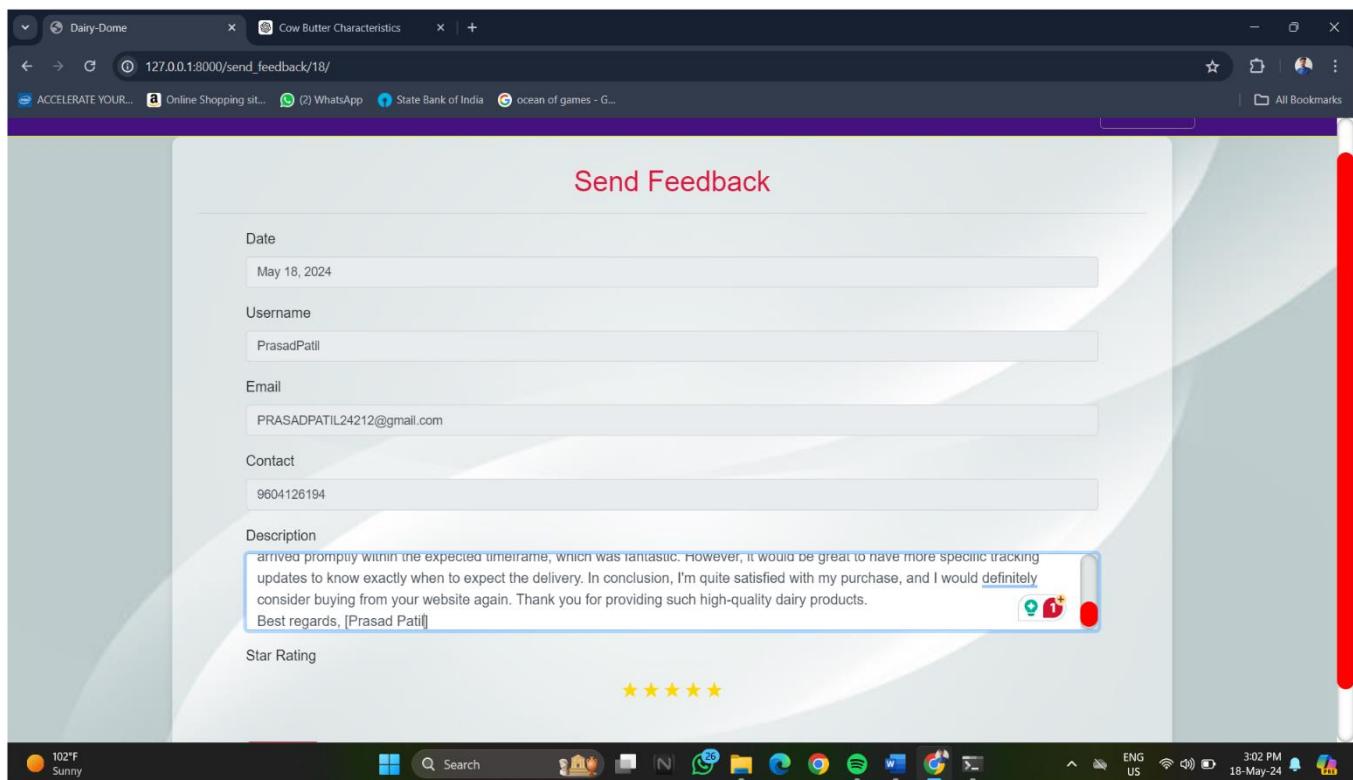
Showing 1 to 2 of 2 entries Previous 1 Next

High UV Now

Search

3:01 PM 18-May-24

➤ Send Feedback:-



➤ View Product:-

Screenshot of a web browser displaying the "Dairy Dome" website at 127.0.0.1:8000/view_product/91/. The page shows a "View Product" section for "Milk Based Sweets".

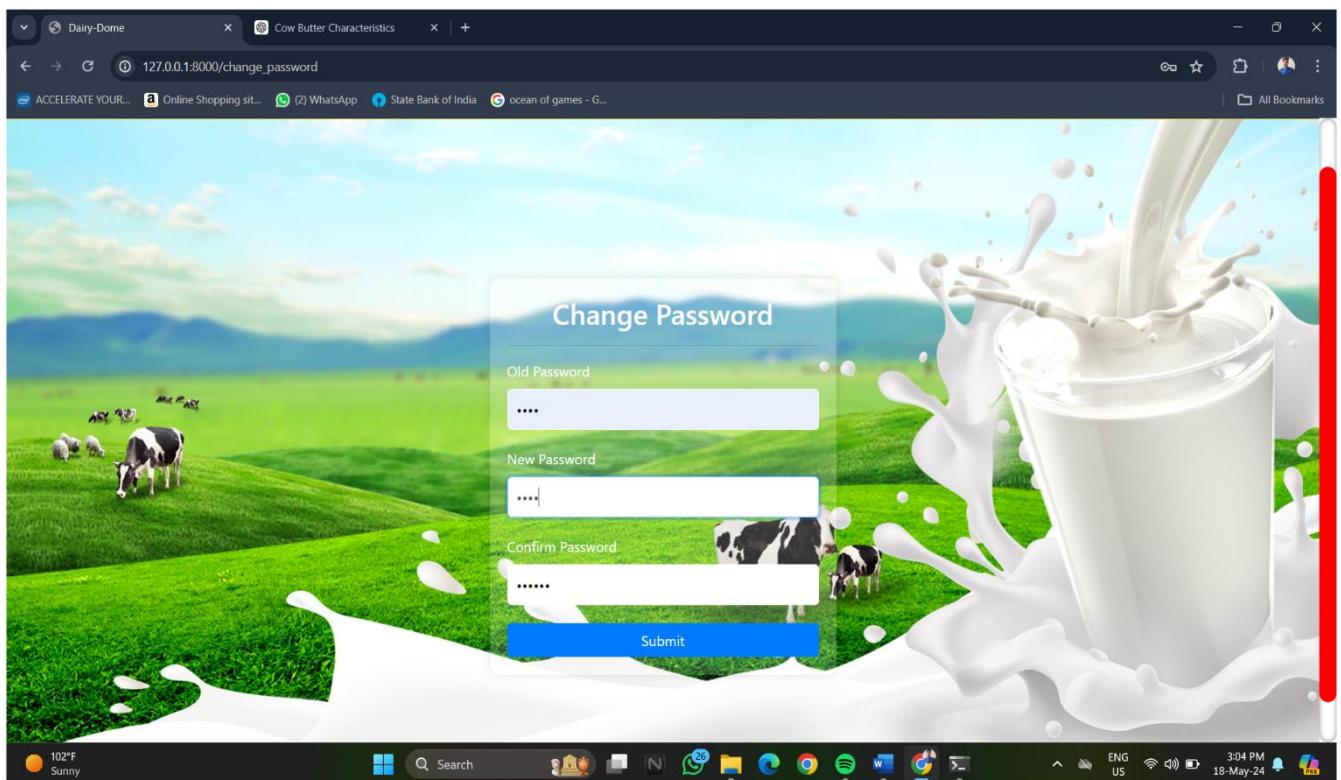
The sidebar on the left lists categories: Start Filtering, All Product, Milk, Curd, Ghee, Butter, Panner, Sterilized Flavored Milk, ButterMilk, Icecream, and Milk Based Sweets.

The main content area has a title "View Product" and a subtitle "Milk Based Sweets". It displays four product cards:

- milk-burfi(1kg)** - Rs.325 - "Milk Burfi: Creamy, Sweet, Indulgent; Traditional Indian..." - Add to Cart
- Milk Desserts** - Rs.450 - "Milk Desserts: Creamy, Sweet, Versatile; Delightful Treats for Every..." - Add to Cart
- Milk-Powder-Barfi(500gm)** - Rs.250 - "Milk Powder Barfi: Rich, Sweet, Easy; Traditional Indian Sweet with a..." - Add to Cart
- Milk Cake(250gm)** - Rs.120 - "Milk Cake: Sweet, Creamy, Indulgent; Timeless Delight of Indi..." - Add to Cart

The browser status bar at the bottom shows: 23°C Air: Moderate, Search, ENG US, 12:51 AM, 4/8/2024, and a battery icon.

➤ Change Password:-



➤ View Profile:-

The screenshot shows a web browser window for the 'Dairy Dome' website. The URL in the address bar is 127.0.0.1:8000/profile. The top navigation bar includes links for Home, View Booking, Send Feedback, View Product, Change Password, Logout, Welcome nitin123, and Cart. The main content area is titled 'View Profile' and displays the following user information:

Full Name:	Nitin Bhopale
Customer Pic:	
Email Id :	nitin123@gmail.com
Contact :	9284626844
Date of Birth :	Dec. 12, 2001
City :	Advihir
Address :	near post office

A blue 'Edit Profile' button is located at the bottom of the form. The browser taskbar at the bottom shows various open tabs and system icons.

The screenshot shows a web browser window for the 'Dairy Dome' website. The URL in the address bar is 127.0.0.1:8000/profile. The top navigation bar includes links for Home, View Booking, Send Feedback, View Product, Change Password, Logout, Welcome PrasadPatil, and Cart. The main content area is titled 'View Profile' and displays the following user information:

Full Name:	Prasad Patil
Customer Pic:	
Email Id :	PRASADPATIL24212@gmail.com
Contact :	9604126194
Date of Birth :	Feb. 1, 2002
City :	Advihir
Address :	ward no 3 front of grampanchayt ,Advihir

A blue 'Edit Profile' button is located at the bottom of the form. The browser taskbar at the bottom shows various open tabs and system icons.

➤ Cart Page:-

The screenshot shows a web browser window for the 'Dairy Dome' website. The URL is 127.0.0.1:8000/cart. The header includes links for Home, View Booking, Send Feedback, View Product, Change Password, Logout, and a welcome message for 'nitin123'. A 'Cart' button indicates 2 items. The main content is titled 'View Cart' and displays two items:

- Desi Panner (1kg)**
Price: Rs. 320
Description: "Desi Paneer: Traditional, Creamy, Versatile; Ideal for Authentic Indian Cuisine."
- milk-burfi(1kg)**
Price: Rs. 325
Description: "Milk Burfi: Creamy, Sweet, Indulgent; Traditional Indian Confectionery Delight."

The browser taskbar at the bottom shows various open tabs and system icons.

➤ Confirm Booking Detail :-

The screenshot shows a web browser window with the title "Dairy-Dome" and the URL "127.0.0.1:8000/bookingnitin123.324.358/". The page has a purple header bar with links for Home, View Booking, Send Feedback, View Product, Change Password, Logout, Welcome nitin123, and a Cart icon. The main content area is titled "Confirm Booking Detail". It contains a form with the following data:

Booking Id	Customer Name
nitin123.324.358	nitin123

Booking Date	Email
April 8, 2024	nitin123@gmail.com

City	Contact
Advihir	9284626844

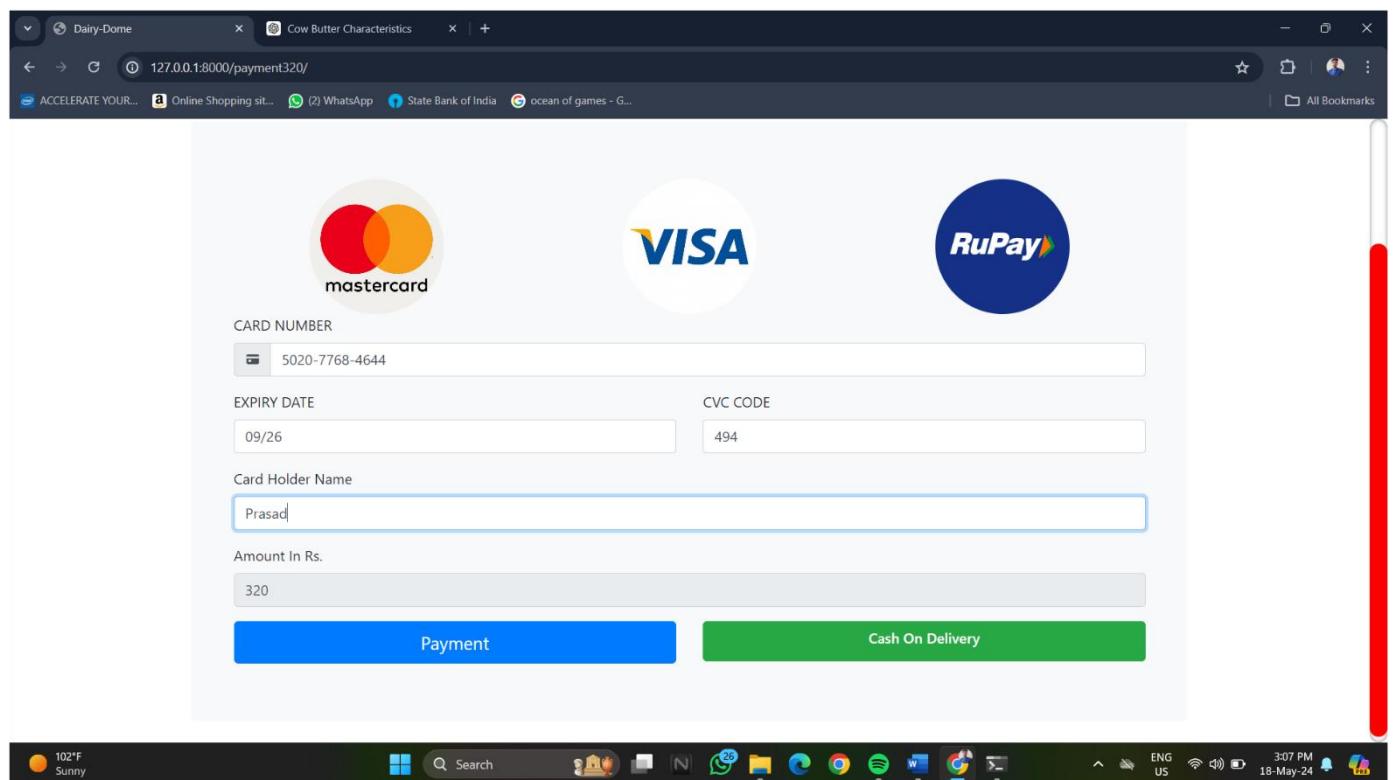
Address
near post office

Total
645

confirm

The browser's taskbar at the bottom shows the Windows Start button, a search bar, pinned icons for File Explorer, Task View, and others, and system status icons for battery, signal, and volume.

➤ PAYMENT DETAIL :-



3 Chapter 4. Coding

Code Snippets:

```
{% extends 'navigation.html' %}
```

```
{% block body %}
```

```
{% load static %}
```

```
{% ifequal error "yes" %}
```

```
<script>
```

```
    alert('logged in successfully');
```

```
    window.location="{% url 'home'
```

```
    % }";
```

```
</script>
```

```
{% endifequal %}
```

```
{% ifequal error "not" %}
```

```
<script>
```

```
    alert('Username & Password are not Matching');
```

```
</script>
```

```
{% endifequal %}
```

```
<!DOCTYPE html>
```

```
<head>
```

```
<style>

.mybtnone:hover{
background-color : #E40203;

}

.form-group{
color: wheat;

}

.form{
padding: 20px;

}

</style>

<link rel="stylesheet" type="text/css" href="{ % static 'css/util.css' % }">
<link rel="stylesheet" type="text/css" href="{ % static 'css/main1.css' % }">

</head>
```

```
<div class="limiter">

<div class="container-login100" style="background-image: url('/media/milk.jpg'); ">

<div class="wrap-login100 p-t-30 p-b-50">

<div class="container">

<span class="login100-form-title p-
b-41">User Login

</span>

<div class="container-fluid">

<form class="form" method="post" action="">

{ % csrf_token % }

<div class="form-group">

<label for="exampleInputEmail1">Username</label>

<input type="text" class="form-control" id="exampleInputEmail1" aria-
describedby="emailHelp" name="uname" placeholder="Enter Username">

</div>

<div class="form-group">

<label for="exampleInputPassword1">Password</label>

<input type="password" class="form-control"
id="exampleInputPassword1" placeholder="Password" name="pwd">
```

```
</div>

<button type="submit" class="btn btn-primary mybtnone">Login</button>

<button class="btn btn-primary mybtnone"><a href="{% url 'signup' %}" style="color:white">Signup</a></button>

</form>

</div>

</div>

</div>

</div>

</div>

</div>

<% endblock %>

</html>

<!-- <div class="container">

<h2 style="margin-top:20px" align="center">User Login Form</h2><hr>

<div class="container-fluid" style="width:70%;margin-top:10%">

<form method="post" action="">

{ % csrf_token % }

<div class="form-group">
```

```
<label for="exampleInputEmail1">Username</label>

<input type="text" class="form-control" id="exampleInputEmail1" aria-
describedby="emailHelp" name="uname" placeholder="Enter Username">
</div>

<div class="form-group">

<label for="exampleInputPassword1">Password</label>

<input type="password" class="form-control" id="exampleInputPassword1"
placeholder="Password" name="pwd">

</div>

<button type="submit" class="btn btn-primary mybtnnone">Login</button>

<button class="btn btn-primary mybtnnone"><a href="{% url 'signup' %}" style="color:white">Signup</a></button>

</form>

</div>

</div> -->

{ % extends 'navigation.html' % }

{ % load static % }

{ % block body % }

<!DOCTYPE html>

<html style="font-size: 16px;" lang="en"><head>
```

```
<link rel="stylesheet" href="/ayurcare/static/css/nicepage.css" media="screen">

<link rel="stylesheet" href="Aboutus.css" media="screen">

<script class="u-script" type="text/javascript" src="/ayurcare/static/js/jquery.js"
     ="" defer=""></script>

<script class="u-script" type="text/javascript" src="/ayurcare/static/js/jquery.js"
     ="" defer=""></script>

<meta name="generator" content="Nicepage 4.15.8, nicepage.com">

<link id="u-theme-google-font"
      rel="stylesheet"
      href="https://fonts.googleapis.com/css?family=Roboto:100,100i,300,300i,400,400i,500,
      500i,700,700i,
      900,900i|Open+Sans:300,300i,400,400i,500,500i,600,600i,700,700i,800,800i">

<link id="u-page-google-font"
      rel="stylesheet"
      href="https://fonts.googleapis.com/css?family=Cherry+Cream+Soda:400">
```

```
<style>

body,htm

1{

  height: 100%;
```

```
.u-section-1{
```

```
background-image:
url("/media/115408.jpg");background-
```

```
position: center;  
height: 100%;  
width: 100%;  
color: rgb(9, 1, 1);  
font-weight: 500;  
}  
  
.u-text-1{  
padding-left: 650px;  
}  
  
.u-text-2{  
padding-left: 650px;  
}  
  
</style>  
</head>  
  
<body class="u-body u-xl-mode" data-lang="en">  
  
<header class="u-clearfix u-header" id="sec-023e">  
  
<div class="u-clearfix u-sheet u-sheet-1">  
  
</div>  
  
</header>
```

```
<section class="u-align-right u-clearfix u-image u-shading u-section-1"
id="carousel_f9ca">

<div class="u-clearfix u-sheet u-sheet-1">

    <h1 class="u-custom-font u-font-titillium-Web u-text u-text-palette-3-base u-title u-
text-1">About Us</h1>

    <p class="u-align-left u-custom-font u-text u-text-2">

        <span style="font-size: 1.875rem;" id="text"> Hola folks!&nbsp;<br>It looks like
you are here to know us better. DairyDome is a user friendly, easy to use website
where&nbsp;<br>one can order dairy by just search products and fill up a simple products
order form available on the website. Admin can see the product order request and deliver
product.&nbsp;To use all these features you need to login first . So register fast and order
products.

    </span>

    <br>&nbsp; &nbsp; &nbsp; &nbsp;&nbsp;

    </p>

</div>

</section>

<section class="u-clearfix u-section-2" id="sec-8623">

    <div class="u-clearfix u-sheet u-sheet-1"></div>

</section>

</body></html>

{ % endblock % }
```

Chapter 5. Testing

4 Test Case Name:

Registration Test Case ID:

TC01_Registration

Test Case Prerequisite: User must open the portal.

Sr. No	Test to be Performed	Expected Result	Actual Result	Test Pass/Failed	Remark
1.	Do the registration with empty fields.	Registration failed. Message Should be display “Please enter username”.	Registration failed. Message shown“Please enter username”.	Pass	
2.	Do the registration with duplicate username .	Registration failed. Message Should be display “Username already registered”.	Registration failed. Message shown “Username already registered”.	Pass	
3.	Do the registration with invalid email address.	Registration failed. Message Should be display“Invalid email id”.	Registration failed. Message shown “Invalid email id”.	Pass	
4.	Do the registration with password contained less than 8 characters	Registration failed. Message Should be display “Password Should be minimum of 6 characters”.	Registration failed. Message shown “Password should be minimum of 6 characters”.	Pass	
5.	Enter valid mobile number.	Registratin should be successful.	Registratin Successful.	Pass	

7.	Verify whether the user has left empty fields.	Registration should be Failed. All fields are mandatory.	Registration Failed.	Pass	
----	--	--	----------------------	------	--

5 Test Case Name:

Login Test Case ID:

TC02_Log_in

Test Case Prerequisite: User must have visited the portal.

6 User must be registered.

Sr. No	Test to be Performed	Expected Result	Actual Result	Test Pass/Failed	Remark
1.	Check login with valid data	Login successful & should be open home Page	Login successful. Home page opened.	Pass	
2.	Check login with invalid data	Login failed. Message should be displayed “Username or Password is invalid”.	Login failed. Message shown, “Username or Password is invalid”.	Pass	

3.	Check login with empty fields.	Login failed. Message should be displayed “Please enter username & password”.	Login failed, Message shown “Please enter username & password”.	Pass	
4.	Check whether username or password is case sensitive	Login failed, Message should be displayed “Username or Password is invalid”.	Login failed message shown “Username or Password is invalid”.	Pass	

Test Case Name:Order

management Test Case ID:

TC03_Order

7 Test Case Prerequisite: User must visit portal.

User must be registered.

User must be Login.

Sr. No	Test to be Performed	Expected Result	Actual Result	Test Pass/Failed	Remark
1.	Verify whether the customer is able to select product.	Product should be select from dropdown.	Product selected successfully from dropdown.	Pass	
2.	Check whether the customer has filled all the valid details.	All filled details should be valid.	All field details added successfully.	Pass	

4.	Check whether the customer has leave the empty fields.	On screen error message should be displa y“Please fill all the details”.	On screen errormessage is showing “Please fill allthe details”.	Pass	
6	Check whether the customer is able to add product to cart.	Cart should be updated .	Added product successfully.	Pass	
7	Check whether the customer is able to delete existing cart product.	Record should be added and view to delete details.	Record deleted successfully.	Pass	

Test Case Name: Payment Management Test Case ID: TC04_Payment

Test Case Prerequisite: User must launch the service application.

8 User must be registered. User must be

Login.

Sr. No	Test to be Performed	Expecte dResult	Actual Result	Test Pass/Failed	Remark
1.	Select card type.	Card is selected.	Card selected Successfully.	Pass	
2.	Enter card details	Only numeric values should be entered.	Only numeric values entered successfully.	Pass	
3.	Check whether payment details is valid.	All field details should be valid.	All field details added successfully.	Pass	

Test Case Name:

Feedback Test Case ID:

TC05_feedback

9 Test Case Prerequisite: User must visit portal.

User must be registered.

User must be Login.

Sr. No	Test to be Performed	Expected Result	Actual Result	Test Pass/Failed	Remark
1.	Verify whether the user can give feedback .	After submitting feedback message should appear successfully.	Feedback successfully.	Pass	
2.	Verify whether the user is able to enter a comments.	Comment should be entered successfully.	Comment entered successfully.	Pass	

6 Limitations of Proposed System: -

- It makes bug fixes little harder.
- This system does not provide fully automotive process.
- This website does not generate graphical reports therefore admin cannot understand reports.

7 Proposed Enhancement: -

- User will get the receipt of the payment.
- Will also add maps to locate stores for nearby areas .

8 Conclusion: -

The system will be able to serve as web application when it is finally developed, where these small upcoming shops can make use of it to publish different categories of Dairy products in a wide range and also help the shop to manage their service more effectively. On the other hand, it will enable customers to freely buy their required type of product more freely and interactively.

9 Bibliography: -

For python

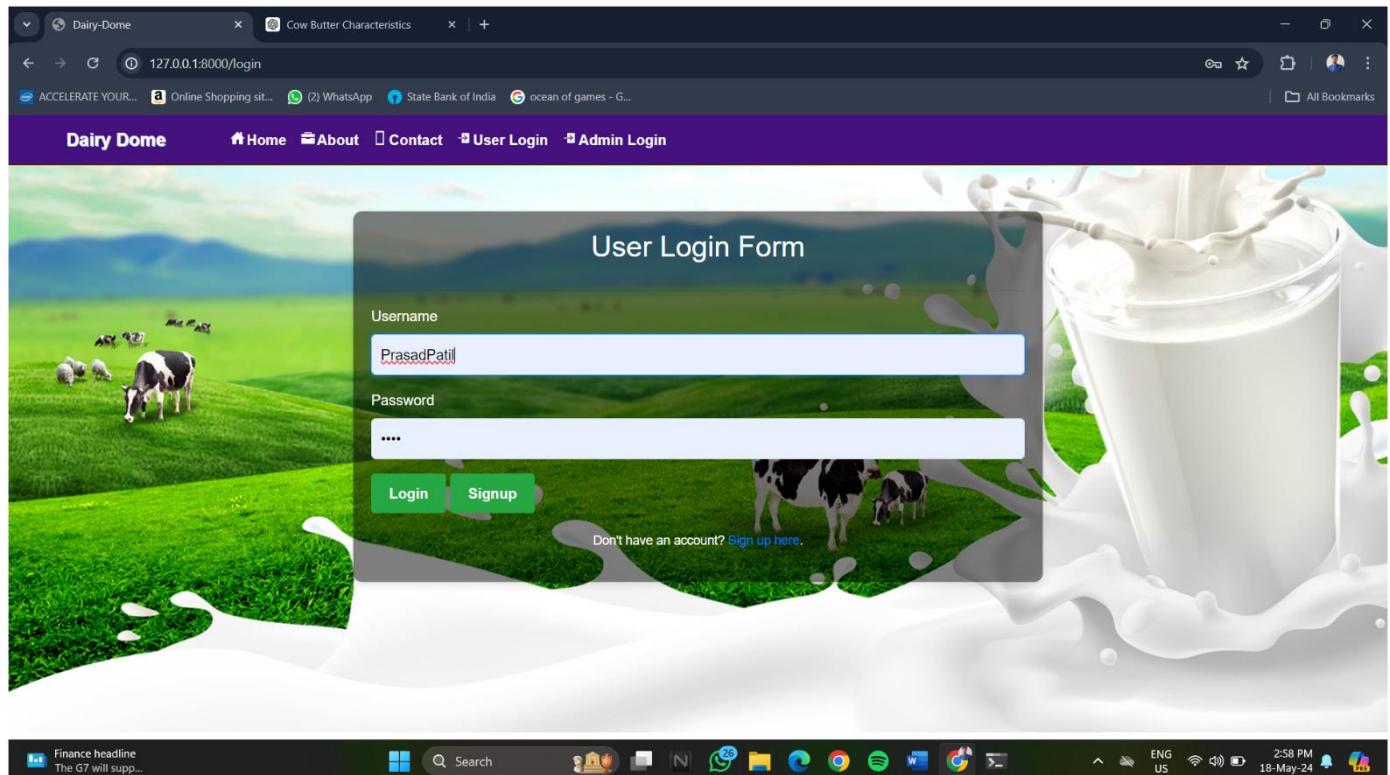
- <https://www.w3schools.com/python/default.asp>
- [https://www.sitepoint.com/ python /](https://www.sitepoint.com/python/)
- [https://www. python.net/](https://www.python.net/)

For MySQLite

- <https://www.sqlite.com/>
- <http://www.sqlitetutorial.org>

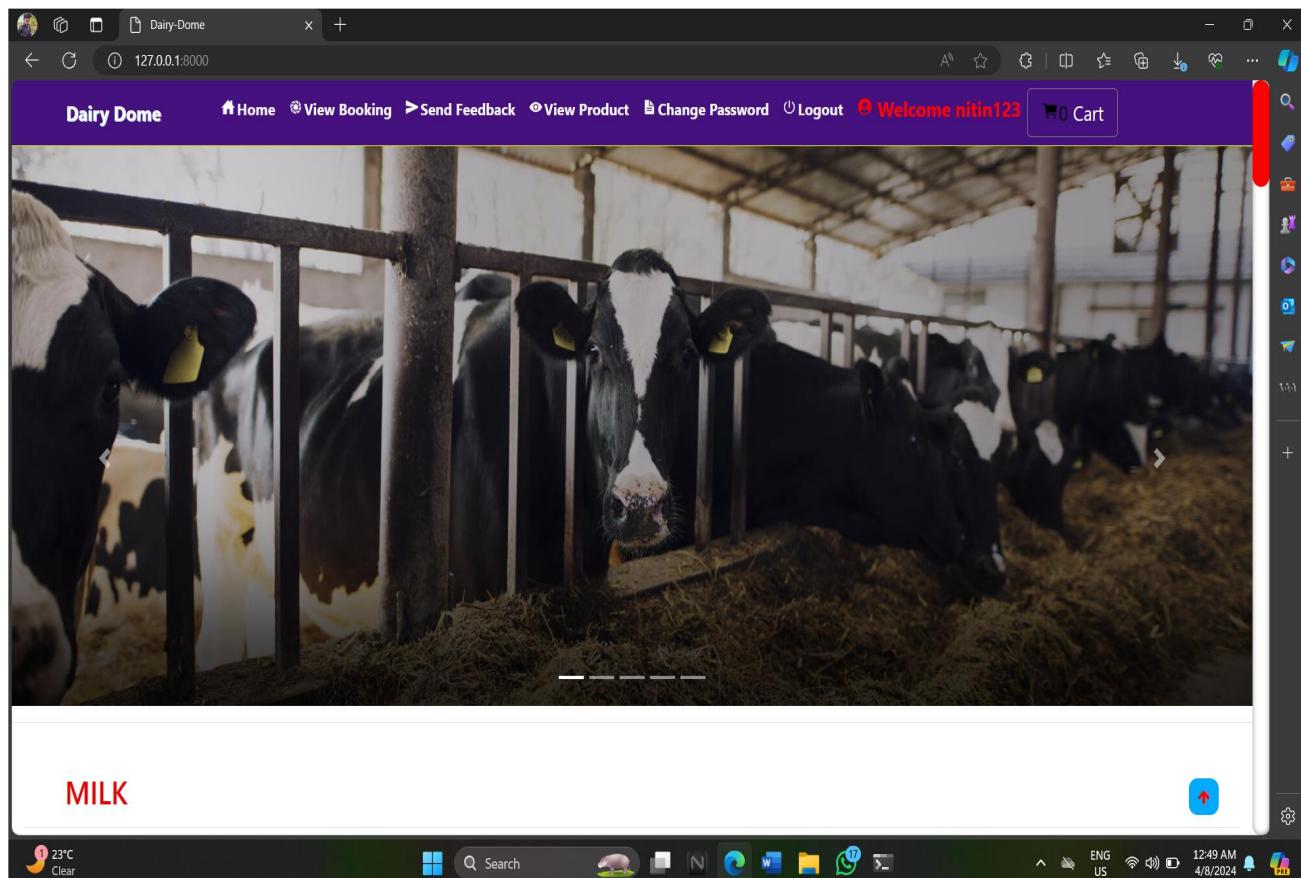
10 User Manual (All GUI screens with validation descriptionetc.)

➤ User Manual Screens: -



- This page is the user login page where user will login.
- Validations are applied for all the text inputs

➤ **Home Page:**



- This is the home page where we can view the options .
- Validations are applied for all the text inputs

➤ **View Booking:**

The screenshot shows a web application titled "Dairy Dome" with a purple header bar containing links for Home, View User, View Booking, View Feedback, Product, Category, Logout, and a welcome message for "admin". The main content area is titled "View Booking" in red. It displays a table of booking details with the following data:

Sr. No	Booking ID	Booking Date	Customer name	Email Id	Quantity	Total	Status	View Product	Cancel Booking
1	nitin123.320	April 5, 2024	nitin123	nitin123@gmail.com	1	454	in progress	detail	cancel
2	nitin123.364	April 5, 2024	nitin123	nitin123@gmail.com	1	1	in progress	detail	cancel
3	nitin123.320.320	April 5, 2024	nitin123	nitin123@gmail.com	2	908	pending	detail	cancel
4	nitin123.324	April 6, 2024	nitin123	nitin123@gmail.com	1	320	delivered	detail	cancel

Below the table, it says "Showing 1 to 4 of 4 entries" and has navigation buttons for Previous, Next, and a page number input field set to 1. The bottom of the screen shows a Windows taskbar with various icons and system status.

- Details are viewed .

➤ **Feedback:-**

The screenshot shows a web browser window titled "View Feedback" with the URL "127.0.0.1:8000/view_feedback". The page is part of a website named "Dairy Dome". The header includes links for Home, View User, View Booking, View Feedback, Product, Category, Logout, and Welcome admin. The main content area is titled "View Feedback" and contains a table with one row of data. The table columns are: Username, Contact Number, Email Id, Date, Message, and Remove. The data in the table is:

Username	Contact Number	Email Id	Date	Message	Remove
nitin123	9284626844	nitin123@gmail.com	April 5, 2024	Product: [Panner] Rating: [*****] Feedback: I recently purchased [Panner] from your website, and I wanted to ... Read More	Delete

Below the table, it says "Showing 1 to 1 of 1 entries". The browser's address bar shows "127.0.0.1:8000/view_feedback". The system tray at the bottom indicates the date as 4/8/2024, time as 12:42 AM, and battery level.

- In this page, we will get feedback.

➤ **View Products:**

The screenshot shows a web browser window for 'Dairy-Dome' at the URL 127.0.0.1:8000/view_product/91/. The page title is 'View Product'. The main content area is titled 'Milk Based Sweets' and displays four product cards:

- milk-burfi(1kg)** - Rs.325 - "Milk Burfi: Creamy, Sweet, Indulgent; Traditional Indian..." - Add to Cart
- Milk Desserts** - Rs.450 - "Milk Desserts: Creamy, Sweet, Versatile; Delightful Treats for Every..." - Add to Cart
- Milk-Powder-Barfi(500gm)** - Rs.250 - "Milk Powder Barfi: Rich, Sweet, Easy, Traditional Indian Sweet with a..." - Add to Cart
- Milk Cake(250gm)** - Rs.120 - "Milk Cake: Sweet, Creamy, Indulgent; Timeless Delight of Indi..." - Add to Cart

The left sidebar has a 'Start Filtering' button and a 'Toggle Menu' button. The menu items listed are: All Product, Milk, Curd, Ghee, Butter, Panner, Sterilized Flavored Milk, ButterMilk, Icecream, and Milk Based Sweets.

- In this page, We can view products.

➤ View Cart

The screenshot shows a web browser window for the 'Dairy-Dome' website. The URL is 127.0.0.1:8000/cart. The header includes links for Home, View Booking, Send Feedback, View Product, Change Password, Logout, and a welcome message for 'nitin123'. A cart icon shows 2 items. The main content is titled 'View Cart' with buttons for 'Continue Shopping' and 'Buy Now'. It lists two items: 'Desi Panner (1kg)' and 'milk-burfi(1kg)'. Each item has a remove button. The total price is Rs. 645. The bottom of the screen shows a taskbar with various icons and system status.

Dairy Dome Home View Booking Send Feedback View Product Change Password Logout Welcome nitin123 Cart

View Cart

Continue Shopping Buy Now Total : Rs. 645

Desi Panner (1kg)
Price: Rs. 320
"Desi Paneer: Traditional, Creamy, Versatile; Ideal for Authentic Indian Cuisine."

milk-burfi(1kg)
Price: Rs. 325
"Milk Burfi: Creamy, Sweet, Indulgent; Traditional Indian Confectionery Delight."

23°C Clear Search ENG US 12:54 AM 4/8/2024

- In this page, We can View Cart.

➤ Confirming Booking Detail:

The screenshot shows a web browser window with the title 'Dairy-Dome'. The URL in the address bar is '127.0.0.1:8000/bookingnitin123.324.358/'. The page has a purple header with navigation links: Home, View Booking, Send Feedback, View Product, Change Password, Logout, Welcome nitin123, and a Cart icon. The main content area is titled 'Confirm Booking Detail'. It contains the following form fields:

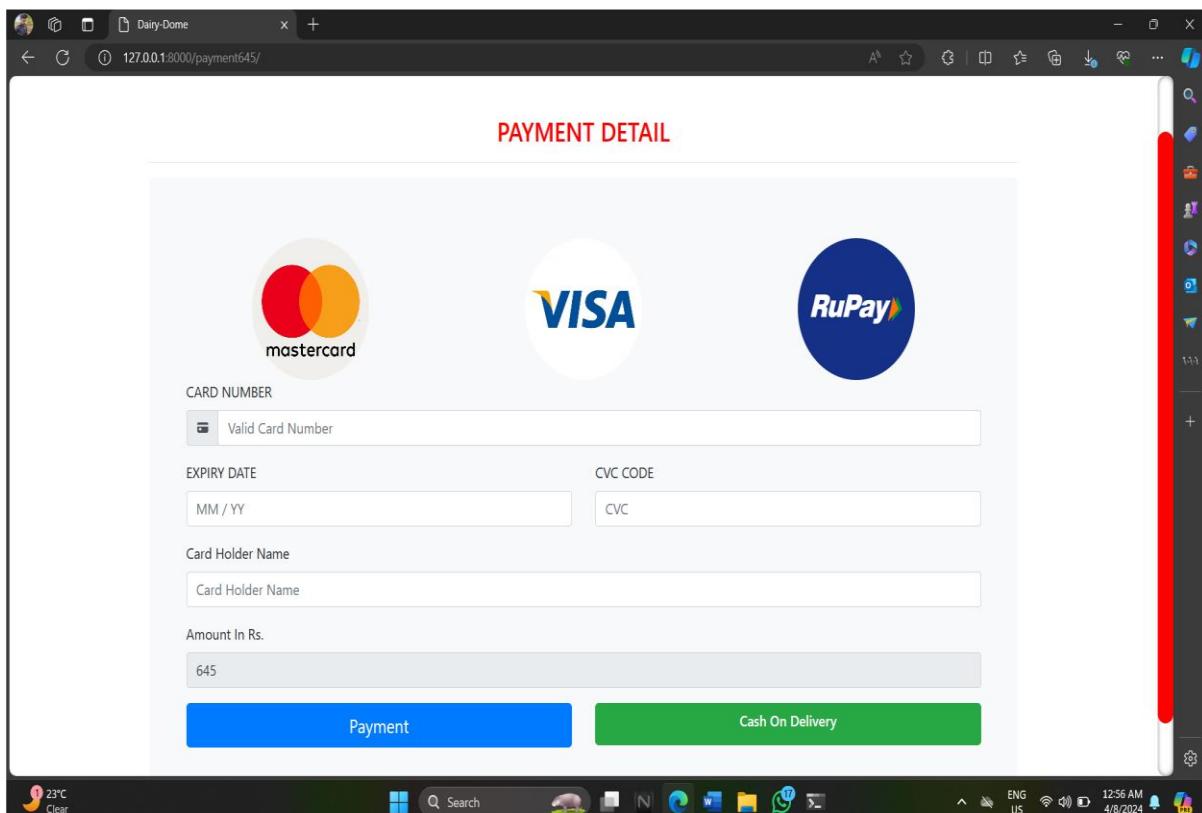
Booking Id	Customer Name
nitin123.324.358	nitin123
Booking Date	Email
April 8, 2024	nitin123@gmail.com
City	Contact
Advihir	9284626844
Address	
near post office	
Total	
645	

A blue 'confirm' button is located at the bottom left of the form.

At the bottom of the screen, there is a taskbar with various icons and system status indicators. The weather icon shows '23°C Clear'. The system tray shows the date and time as '4/8/2024 12:55 AM'.

- Confirming details of booking.

➤ Payment Detail



- View payment details

