A

PROJECT REPORT

ON

Ice-Cream Parlor Management System

Submitted to

University Of Mumbai

In the partial fulfillment of the degree of

Bachelor of Computer Science

By

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Under the Guidance of

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Navkonkan Education Society's
D.B.J College, Chiplun

D.B.J COLLEGE CHIPLUN.

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that, **Mr. Omkar Mangesh Dhuri** of **TYBsc.CS** class bearing examination **Seat Number** _____has satisfactorily carried out the project on **Ice-cream Parlor Management system** as laid down by theUniversity of Mumbai for the year **2024-25.** His bonafide work was completed under the guidance of **Mrs. Aatufar Naik**

Signature of Guide (Mrs.Aatufar Naik)	**Examiner**	**Head of Department of Computer Science (Mr. Suresh Nalawade)**

Date:

Place: Chiplun

Index

	Table of Contents	
Sr. No	**Phase Name**	**Page No.**
A)	**Preliminary Investigation**	
1.1	Acknowledgment	07
1.2	Current System	08
1.3	Limitations Of the system	10
1.4	Scope of proposed system	12
1.5	Advantages of proposed system	14
1.6	Feasibility Study	16
1.7	Gantt Chart	18
B)	**System Analysis**	
2.1	Fact Finding Techniques	20
2.2	Event Table	21
2.3	Use Case Diagram	24

2.4	Activity Diagram	27
2.5	Class Diagram	30
2.6	Class Association Diagram	31
2.7	Object Diagram	32
2.8	Sequence Diagram	33
2.9	Collaboration Diagram	37

C)	**System Design**	
3.1	Database Tables with Attributes & Constraints	40
3.2	Component Diagram	41
3..3	Package Diagram	42
3.4	Deployment Diagram	43
3.5	System Flow Chart	44
3.6	Structure Chart	45
D)	**System Coding**	
4.1	Menu Tree	49
4.2	Test Cases, Test Data, Test Result	50
4.3	Program Descriptor	51

4.4	Program Listing	52
4.5	Screen Layout	54
4.6	Coding	66
4.7	Hardware/Software Requirement	75
4.8	Future enhancement	76

PHASE – 1
PRELIMINARY INVESTIGATION

ACKNOWLEDGMENT

It's my great pleasure to take the opportunity and sincerely thank all those who have shown me the way to a successful project and helped me a lot during the completion of my project.

I greatly thank my Project Guide Mrs.Aatufar Naik without whom the completion of this project couldn't have beenpossible.

I take this opportunity to express my deep gratitude towards all the members of the Computer Science Department, for helping me in the completion of the project.

My sincere thanks to respected Principal Dr. M.S.Bapat andthe Head of the Computer Science Department Mr.Suresh Nalawade for providing all the facilities including the availability of Computer Lab.

CURRENT SYSTEM

1) Customer Registration: The system enables the easy registration of new customers, capturing basic demographic details, contact information, favorite flavors, dietary restrictions (e.g., lactose-free, nut allergies), and special preferences (like cup or cone, sprinkles or no sprinkles). It can also store loyalty program data and previous order history for personalized service.

2) Order & Reservation Scheduling: The Customers can pre-order ice cream cakes, reserve spots for birthday parties or special events, and schedule pickup or delivery. The system supports rescheduling and cancellations, with automated email or SMS confirmations and reminders to keep customers updated.

3) Mobile-Friendly Ordering: The system is accessible via mobile devices, allowing users to browse the menu, customize their orders, and schedule pickups or deliveries with ease. Real-time updates and notifications (via app, email, or SMS) ensure customers are informed about their orders and any changes.

4) Workflow Automation: Routine tasks like order confirmations, inventory updates (e.g., notifying when a flavor runs out), and loyalty point tracking are automated. This minimizes manual work, boosts efficiency, and ensures accuracy, allowing staff to focus on creating a fun and friendly customer experience.

5) Customer Portal: A dedicated portal lets customers log in to view their order history, manage loyalty rewards, reorder favorites, give feedback, and even communicate directly with staff for custom requests (like custom cake designs or event planning).

6) Feedback & Review System: Customers can leave reviews and rate their experience directly through the system. Management can view and respond to feedback, helping to maintain high-quality service and address any concerns promptly.

LIMITATIONS OF CURRENT SYSTEM

1) Implementing a full-featured ice cream parlor management system can require significant upfront investment in software licenses, hardware (POS systems, tablets, printers), and customization. For small, independent parlors, these costs—along with ongoing maintenance, updates, and support fees—can be a major barrier to adoption.

2) Collecting and storing customer data—like phone numbers, emails, and payment information—requires adherence to privacy regulations (e.g., CCPA in California). A data breach or mishandling of customer information can lead to legal issues and loss of customer trust, especially if sensitive payment details are involved.

3) Many basic or off-the-shelf management systems aren't designed to handle rapid growth, like opening new branches, introducing mobile ordering, or managing large-scale events. Without scalable architecture, businesses might face issues like syncing problems between locations, system slowdowns, or data inconsistencies

4) In a fast-paced retail environment, even minor technical issues—such as a POS crash or failure to process orders—can disrupt operations, especially during peak times. Without reliable support or a

contingency plan, this can lead to long lines, lost sales, and frustrated customers.

5) Some management systems may offer limited flexibility when it comes to menu customization, seasonal flavor rotations, or promotional pricing strategies. This can restrict a parlor's creativity or ability to adapt to market trends and customer preferences, especially if the system isn't designed with food retail in mind.

PROPOSED SYSTEM

- The proposed **Ice Cream Parlor Management System (IPMS)** is a comprehensive software solution designed to automate and streamline day-to-day operations in an ice cream business. It enhances customer service, boosts operational efficiency, and optimizes inventory, order processing, and sales tracking..
- Capture and store detailed customer information, including contact details, favorite flavors, allergy information, loyalty points, order history, and birthday reminders. This enables personalized service, targeted promotions, and an overall improved customer experience..
- Customers can place online orders for pickup or delivery, ensuring convenience and reducing wait times. Additionally, the system allows for event reservations, such as birthday parties and special gatherings, helping the business manage bookings, schedules, and availability efficiently..
- A real-time dashboard provides ice cream parlor owners and managers with key performance indicators (KPIs), such as sales trends, customer preferences, best-

selling flavors, and inventory levels. These insights assist in making data-driven decisions, improving stock management, and optimizing operations for maximum profitability.

- The system enables staff to create and manage task lists for daily operations, including stock replenishment, machine maintenance, cleaning schedules, and customer service. This ensures a smooth workflow, timely service delivery, and efficient management of resources.
- The system generates real-time reports, analytics, and insights, allowing ice cream parlor owners to monitor sales performance, customer demographics, inventory trends, and revenue analysis. These insights help optimize stock levels, improve marketing strategies, and enhance the overall customer experience, ensuring business growth and profitability.

ADVANTAGES OF PROPOSED SYSTEM

Streamlined Customer Management:

The system simplifies customer registration and order processing, reducing administrative workload and minimizing data entry errors. Customer profiles are easily accessible, allowing ice cream parlor staff to quickly view order history, preferences, favorite flavors, and loyalty points. This ensures a personalized experience, targeted promotions, and enhanced customer satisfaction.

Staff and Operations Management:

The system streamlines staff scheduling and daily task coordination, improving productivity and reducing scheduling conflicts. It also supports performance tracking and leave management, ensuring an efficient and motivated workforce. From managing counter service to overseeing kitchen operations and inventory restocking, the system helps maintain smooth and efficient operations.

Data-Driven Decision-Making:

Real-time dashboards and customizable reports provide valuable insights for ice cream parlor owners, enabling data-driven decision-making. Key performance indicators such as sales trends, customer preferences, peak hours, and inventory usage help optimize business strategies. By monitoring revenue growth, demand patterns, and customer satisfaction, business owners can enhance efficiency, reduce waste, and maximize profitability.

FEASIBILITY STUDY

Executive Summary:

The feasibility study for the Ice Cream Parlor Management System (IPMS) aims to assess the viability of implementing a modern platform to streamline operations, enhance customer experience, and optimize business processes in an ice cream parlor.

Introduction:

This study evaluates the financial, operational, and technical feasibility of developing and deploying the proposed Ice Cream Parlor Management System. It examines how the system can improve order processing, inventory management, customer engagement, and overall business efficiency.

Project Description:

The project envisions creating a comprehensive digital solution to facilitate order management, reservations, customer loyalty programs, and inventory tracking for ice cream parlors, targeting businesses in [CHIPLUN]. The system will provide real-time insights, automated workflows,

and enhanced customer interactions to improve business operations.

Operational Feasibility:

The system will require an estimated [number] counter staff, [number] kitchen staff, and [number] administrative personnel to manage daily operations efficiently. Features such as automated inventory tracking, order processing, and task management will streamline workflows, reduce manual errors, and enhance productivity.

Technical Feasibility:

The system will evaluate potential technologies, hosting solutions, and software architectures, considering factors such as scalability, security, mobile accessibility, and cloud integration. It will also assess compatibility with existing Point-of-Sale (POS) systems and third-party delivery platforms to ensure seamless business operations

Gantt Chart

Sr. No.	PHASE		EXPECTED DATE OF COMPLETION	ACTUAL DATE OFCOMPLETION WITH GUIDE'S SIGN	Remark
I.	**Preliminary Investigation**				
	A	Organizational Overview	12/12/2024		
	B	Limitation of current system & advantages of proposed system	14/12/2024		
	C	Feasibility study	17/12/2024		
II.	**System Analysis**				
	A	Fact Finding	19/12/2024		
	B	Event Table	21/12/2024		
	C	Use Case Diagram	03/1/2025		
	D	Activity Diagram	06/1/2025		
	E	Class Diagram	08/1/2025		
	F	Object Diagram	11/1/2025		
	G	Sequence Diagram	15/1/2025		
III.	**System Design**				
	A	Derive Tables from Entities Relationship	22/1/2025		
	B	Component Diagram	23/1/2025		
	C	Package Diagram	25/1/2025		
	D	Deployment Diagram	29/1/2025		
	E	Forms and Report Layout	5/2/2025		
IV.	**System Coding**				
	A	Design Database	12/2/2025		
	B	Coding	06/3/2025		
	C	Text Cases & Validation	12/3/2025		
V.	**Soft Copy Submission**		15/3/2025		
VI.	**Project Implementation**		19/3/2025		
VII.	**Project Review by Guide**		22/3/2025		
VIII.	**Project Report Submission**		25/3/2025		

PHASE - 2

SYSTEM ANALYSIS

Fact finding technique (Interviewing)

1. Are you comfortable coordinating tasks with a team to ensure smooth ice cream parlor operations and customer satisfaction?

Absolutely. I have experience working in a team environment, coordinating with kitchen staff, cashiers, and suppliers to ensure efficient service, maintain product quality, and enhance customer satisfaction.

2. What are some key qualities that an Ice Cream Parlor Manager should have?

An Ice Cream Parlor Manager should be highly organized, have excellent customer service skills, and be capable of managing inventory, overseeing staff, and ensuring a smooth and enjoyable customer experience.

3. What is your experience with managing budgets and financial planning for an ice cream parlor?

I have extensive experience managing budgets, allocating funds for inventory, labor, and promotions, controlling costs, and preparing financial reports to ensure profitability while maintaining high-quality products and services.

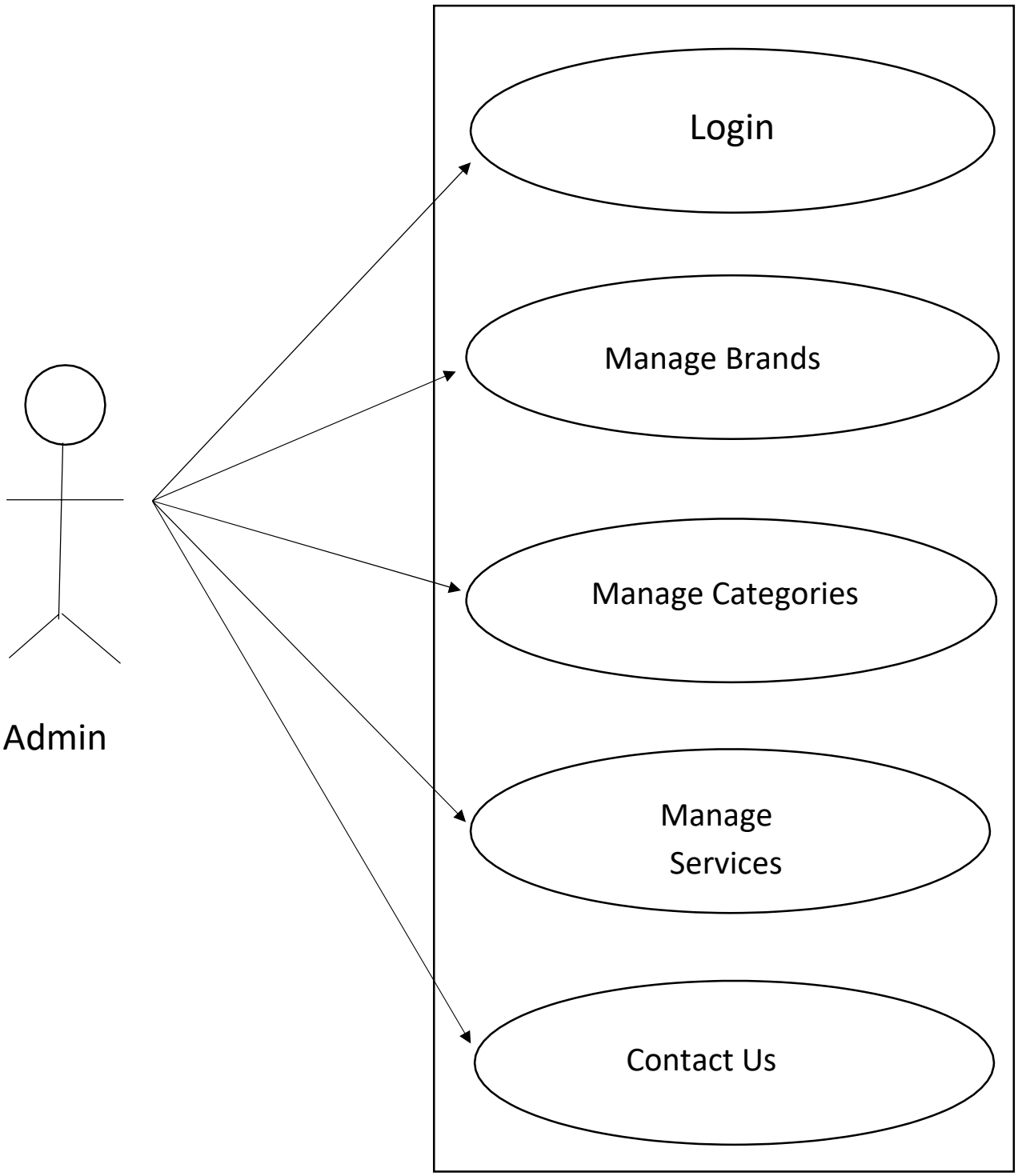
Event Table

Sr no	Event	Trigger	Source	Activities	Response	Destination
1	Add New user	New user added	Admin	Create new user record	Message: User added successfully	Admin
2	Update user details	1.Search user record. 2.Update user record	Admin	1.Search user. 2.Update user	Message: user updated successfully	Admin
3	Delete user record.	1.Search user record. 2.Delete user record.	Admin	1.Search user record. 2.Delete user record.	Message: user deleted successfully	Admin
4	Search user record.	Display user record.	Admin	Check record.		Admin

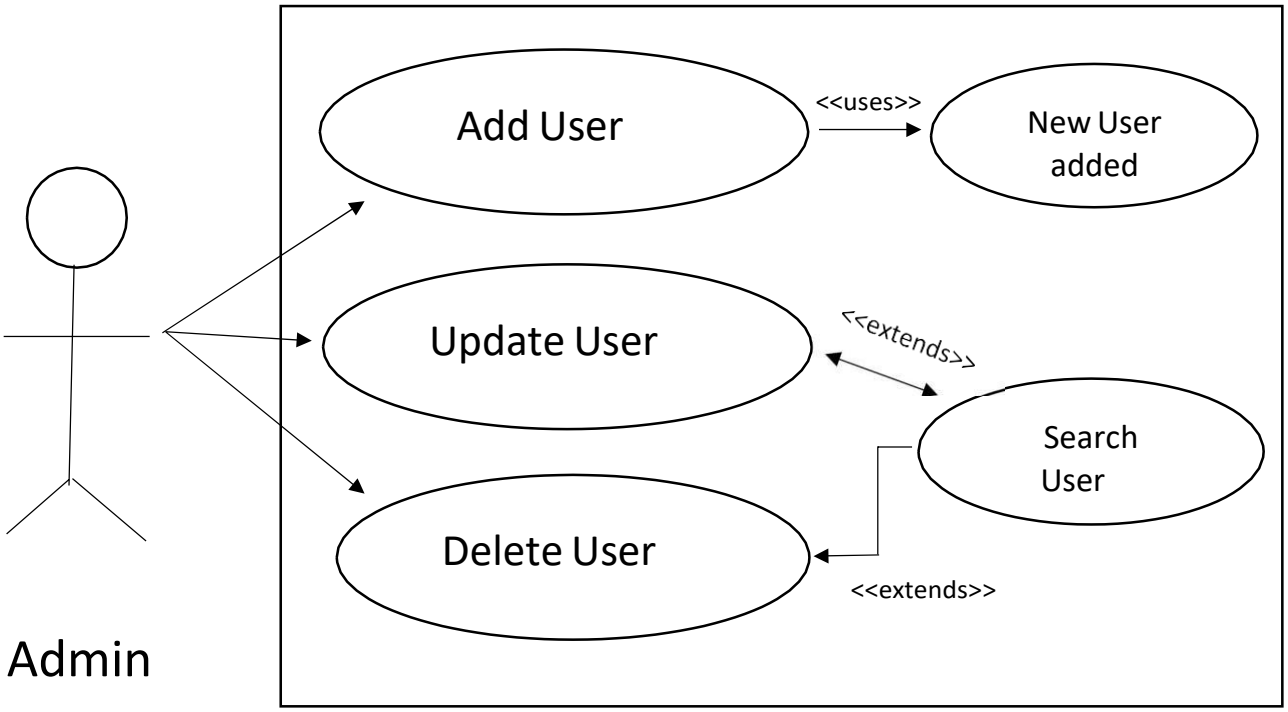
5	Search Messages record	Display Messages record.	Admin	Check Messages record.		Admin
6	Add new Brand	New Brand added	Admin	Create new Brand record.	Message: Brand added successfully	Admin
7	Update Brand details	1.Search Brand record. 2.Update Brand record	Admin	1.Search Brand. 2.Update Brand	Message: Brand updated successfully	Admin

8	Delete Brand details .	1.Search Brand record. 2.Delete Brand record.	Admin	1.Search Brand record. 2.Delete Brand record.	Message: Brand Deleted successfully	Admin
9	Add new Category	New Category added	Admin	Create new Category record.	Message: Category added successfully	Admin
10	Update Category details	1.Search Category record. 2.Update Category record	Admin	1.Search 2.Update Category	Message: Category updated successfully	Admin
11	Delete Category record.	1.Search category record. 2.Delete staff record.	Admin	1.Search Category record. 2.Delete staff record.	Message: Category deleted successfully	Admin
12	Search category record	Display Category record.	Admin	Check Category record.		Admin

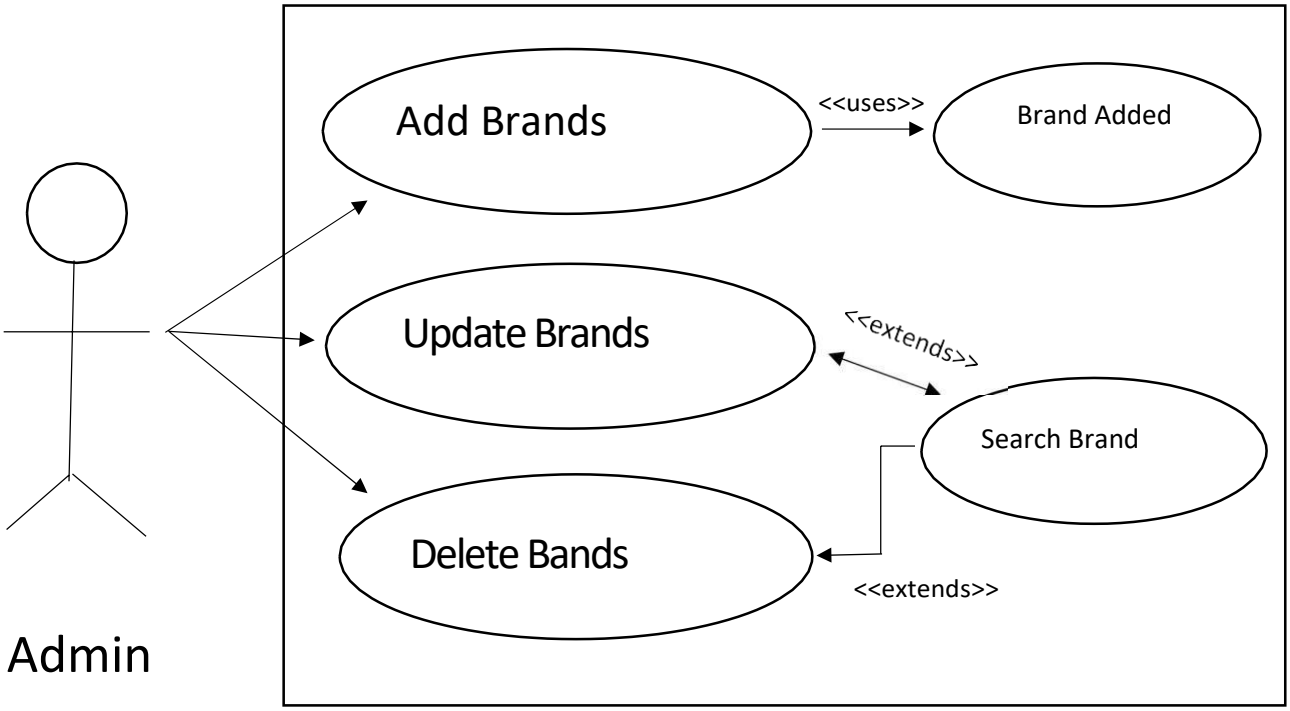
Use Case Diagram



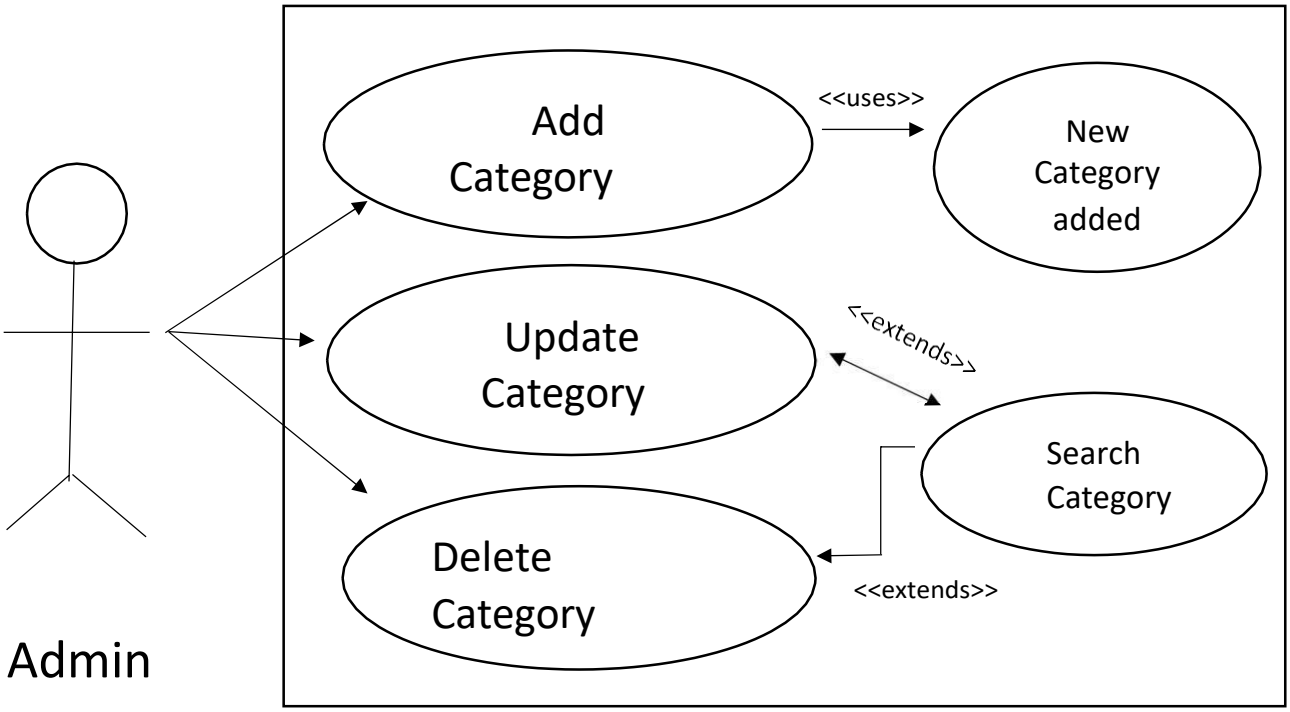
Manage User



Manage Brands

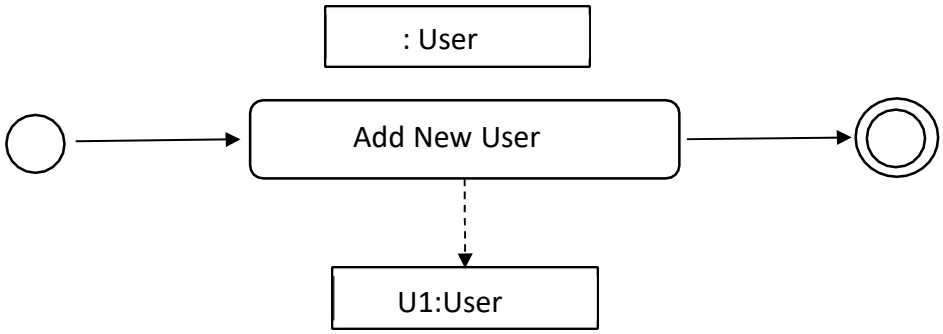


Manage Category

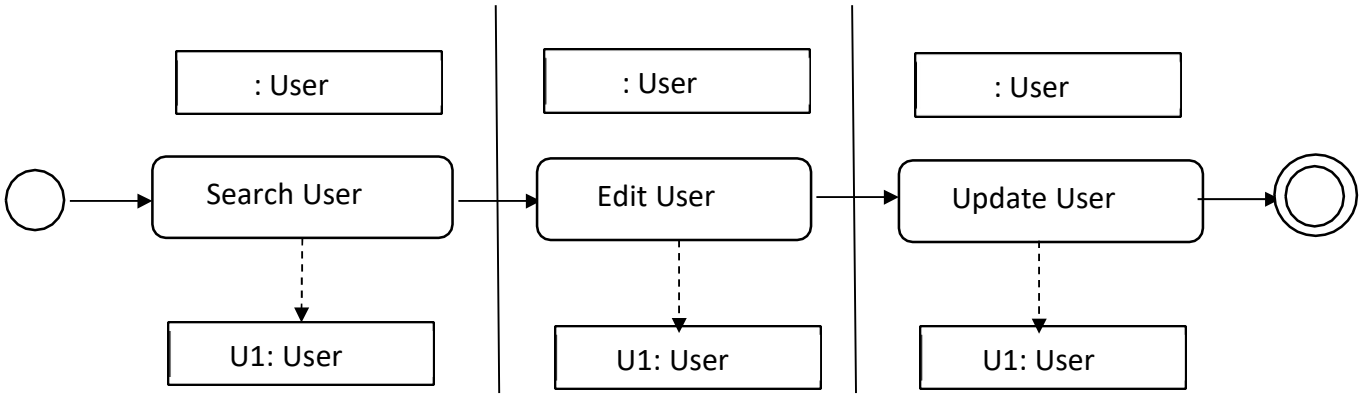


Activity Diagram

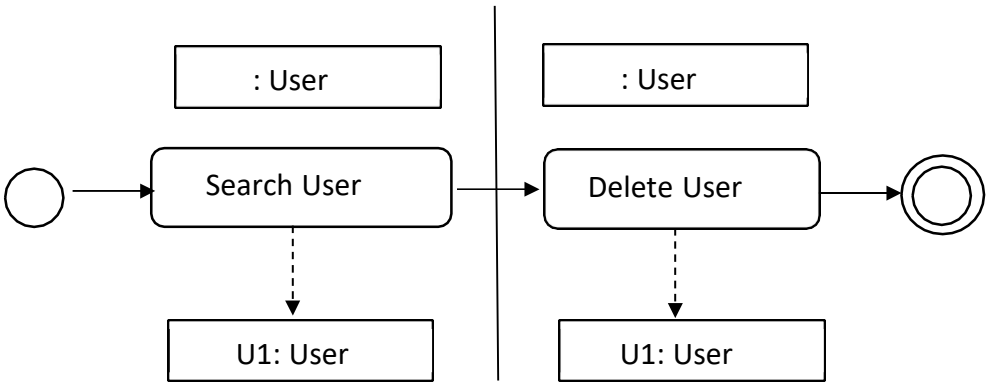
1) To Add User:



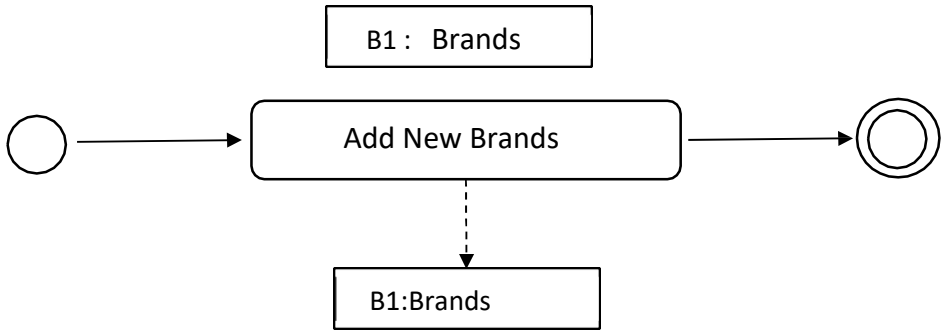
2) To Update User:



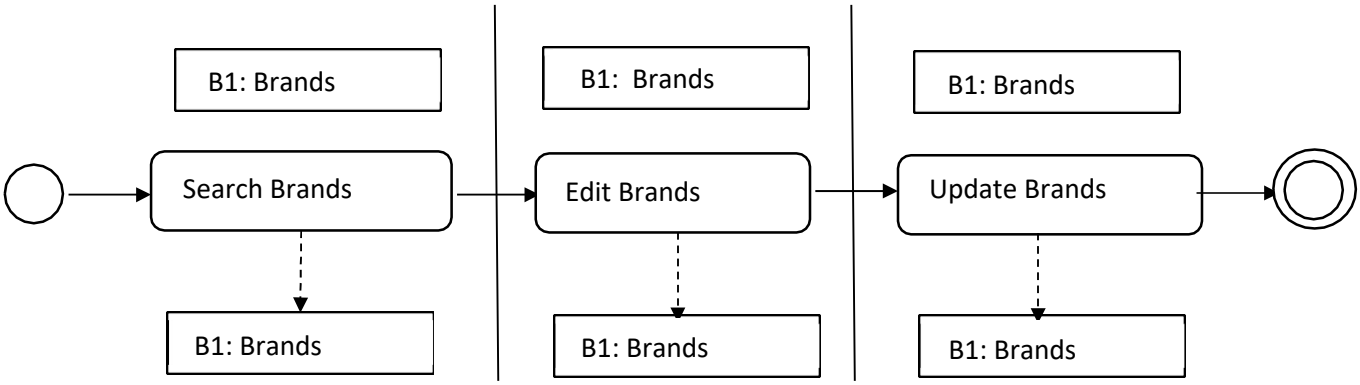
3) To Delete User:



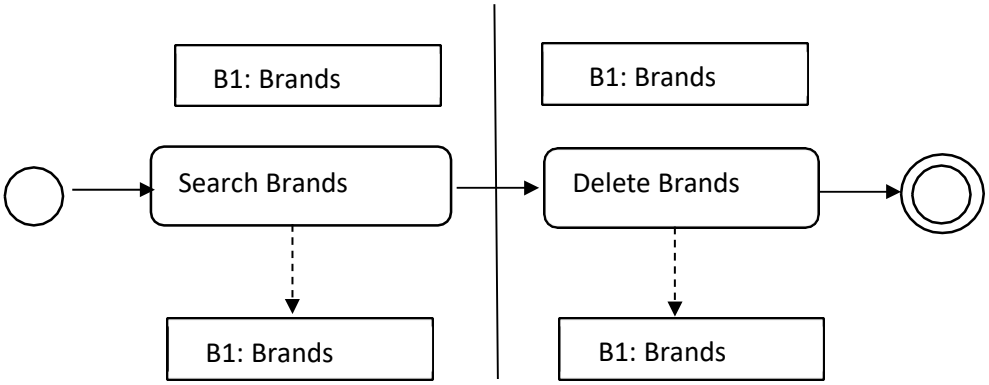
1) To Add Brands:



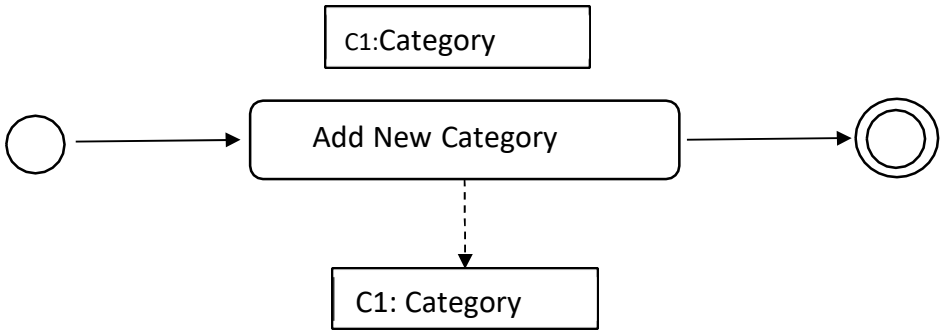
2) To Update Brands:



3) To Delete Brands:



1) To Add Category:



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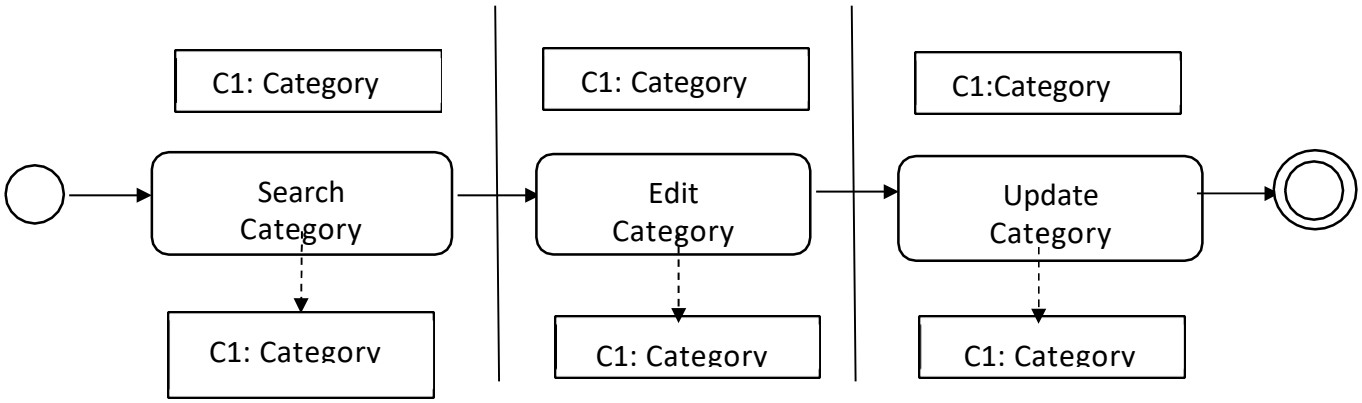

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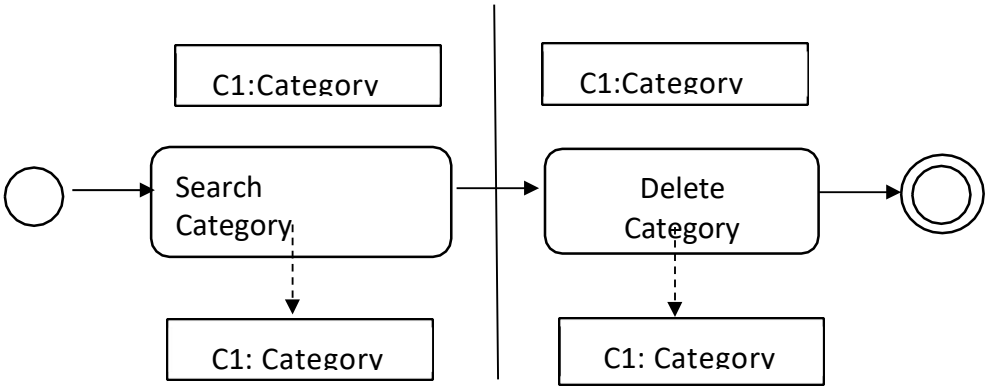


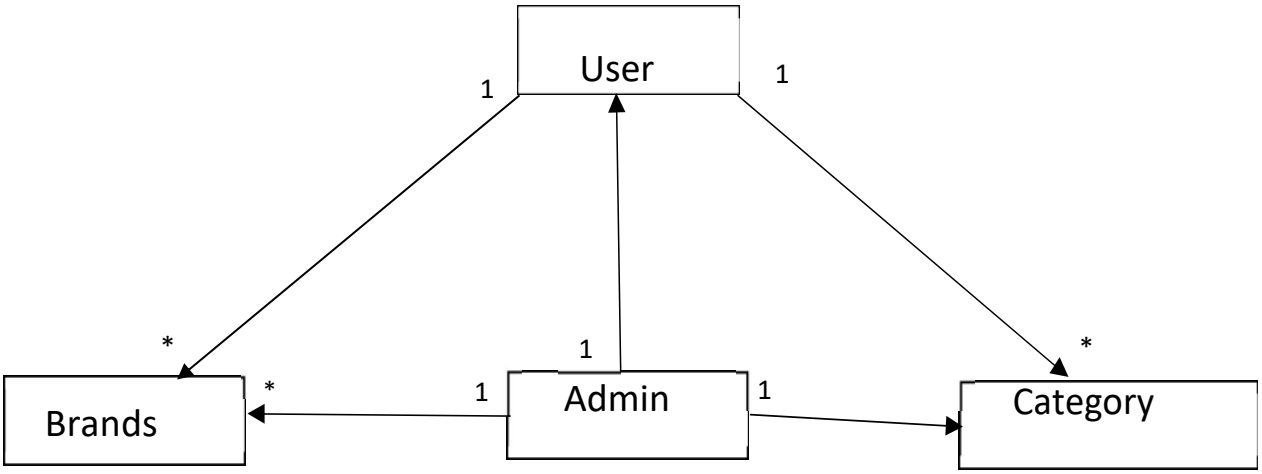
Class Diagram

User	
u_id	- int (10)
username	- varchar (40)
email	- varchar (100)
password	- varchar (225)
Add()	
Update()	
Delete()	
Search	

Brand	
Brand_ id	- int (11)
Brand Title	- varchar (40)
Description	- varchar (500)
Ice Cream Rate	- int (100)
Image	
Add()	
Update()	
Delete()	
Search	

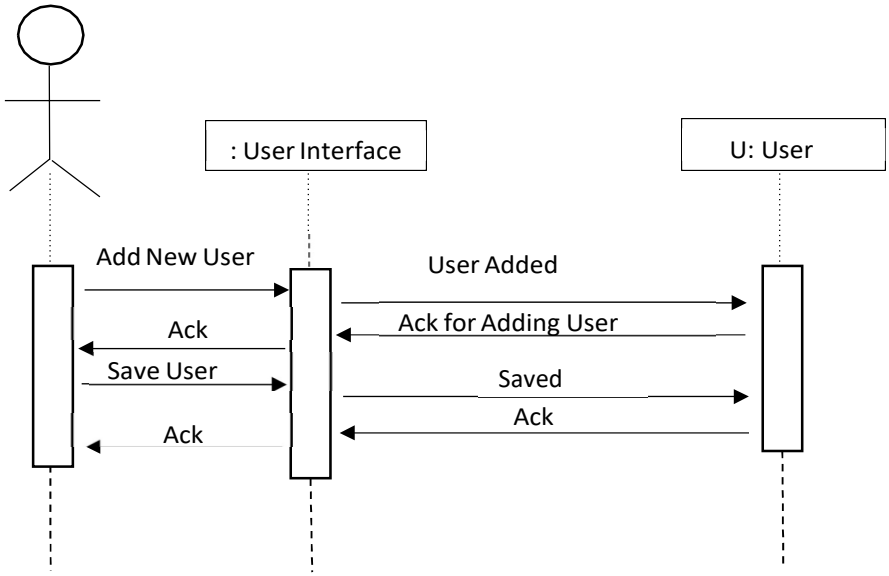
Category	
Category_ Id	- int (11)
Category Title	- varchar (40)
Description	- varchar (40)
Ice Cream Rate	- Int(80)
Image	
Add()	
Update()	
Delete()	
Search	

Class Association Diagram

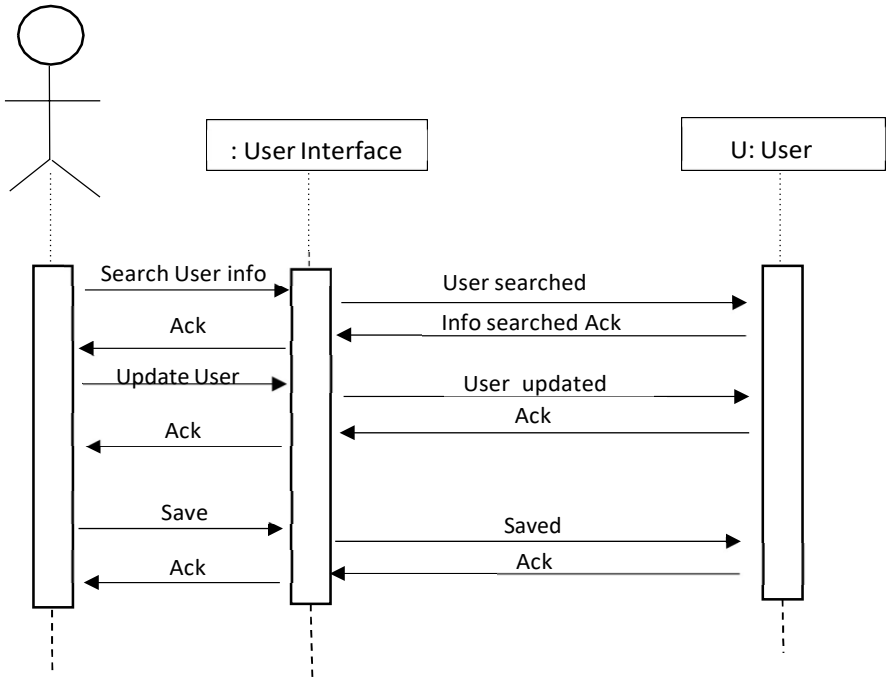


Sequence Diagram

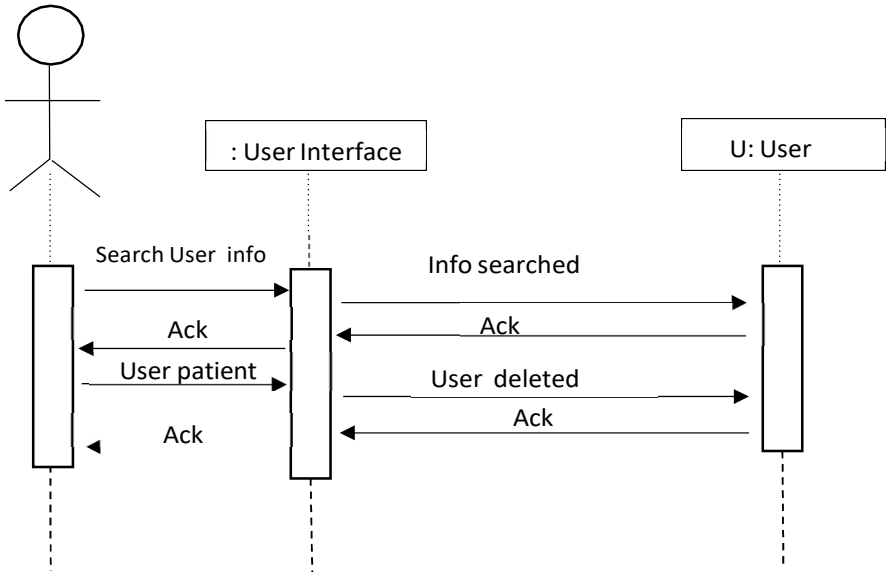
1) To Add User:



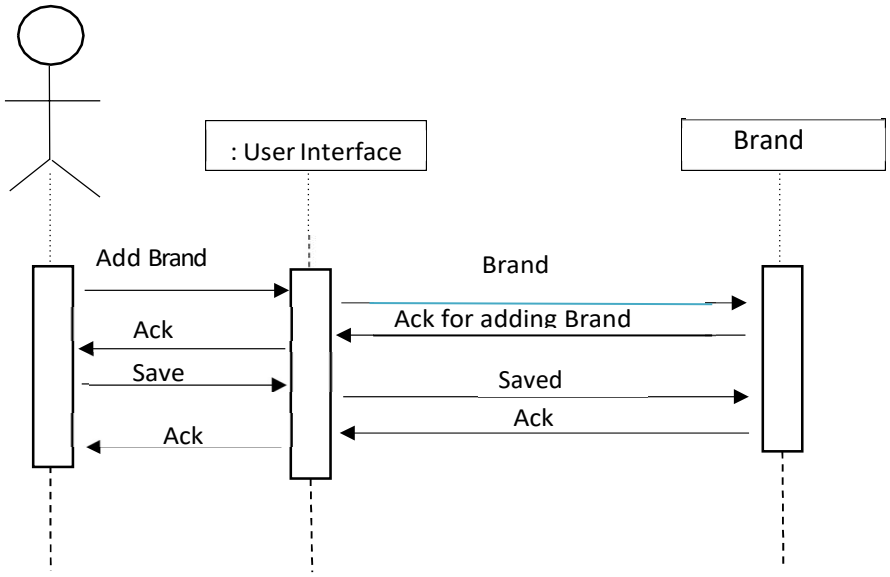
2) To Update User:



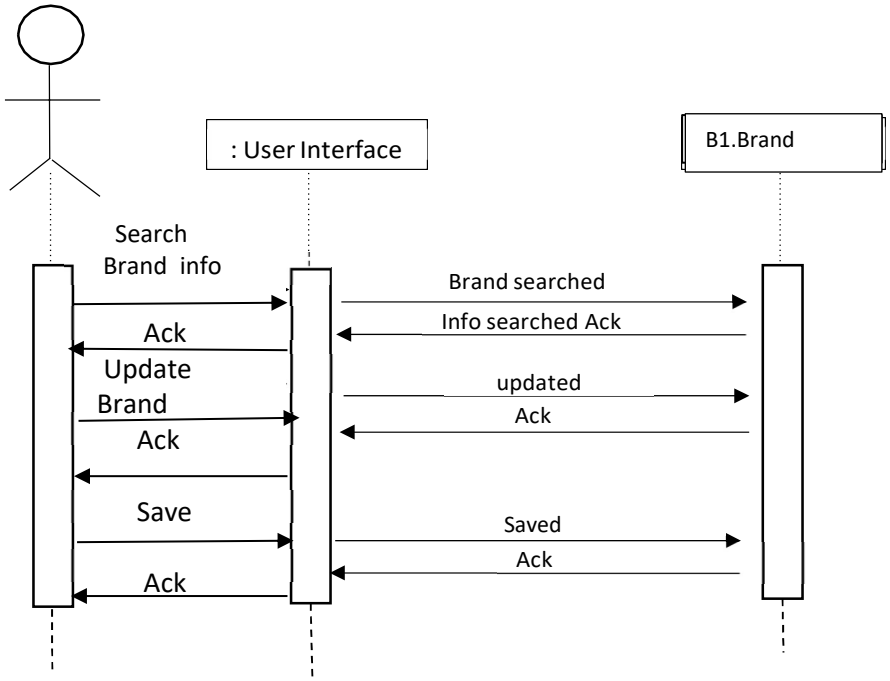
3) To Delete User :



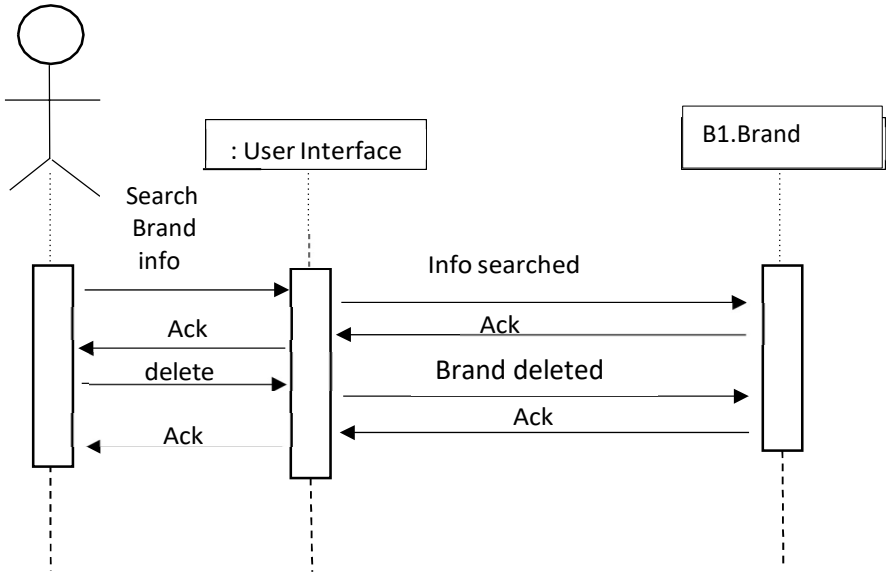
4)To Add Brand :



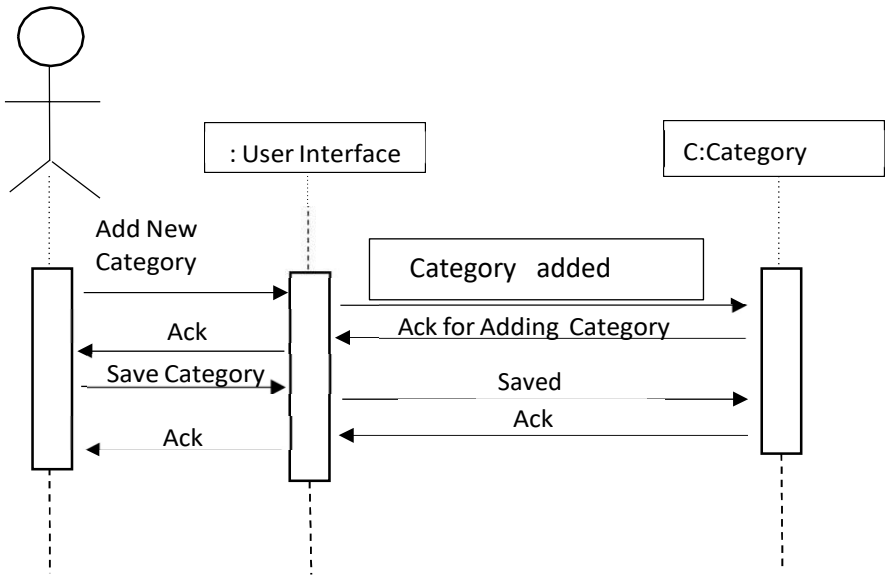
5)To Update Brand :



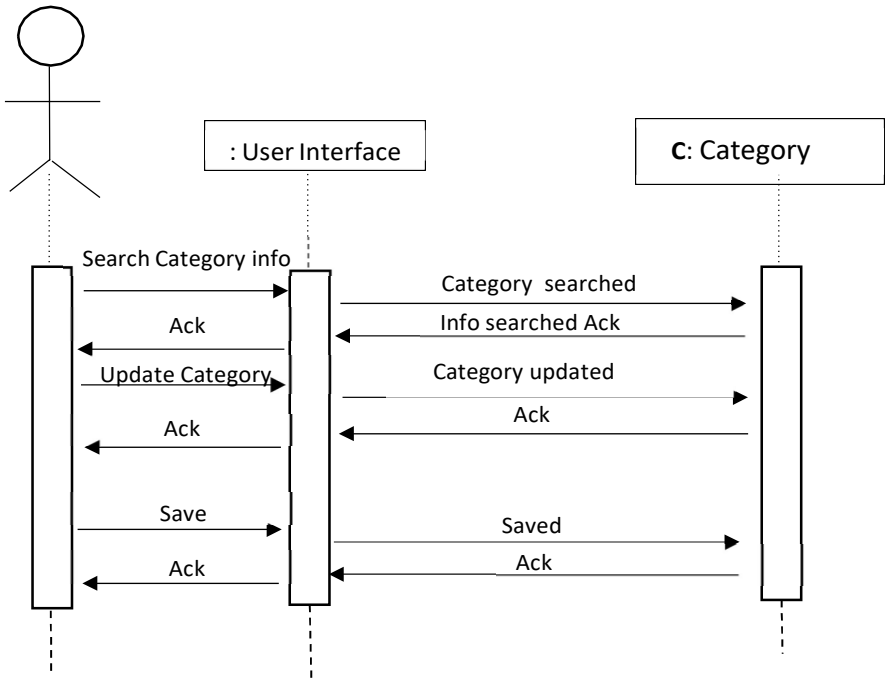
6)To Delete Brand :



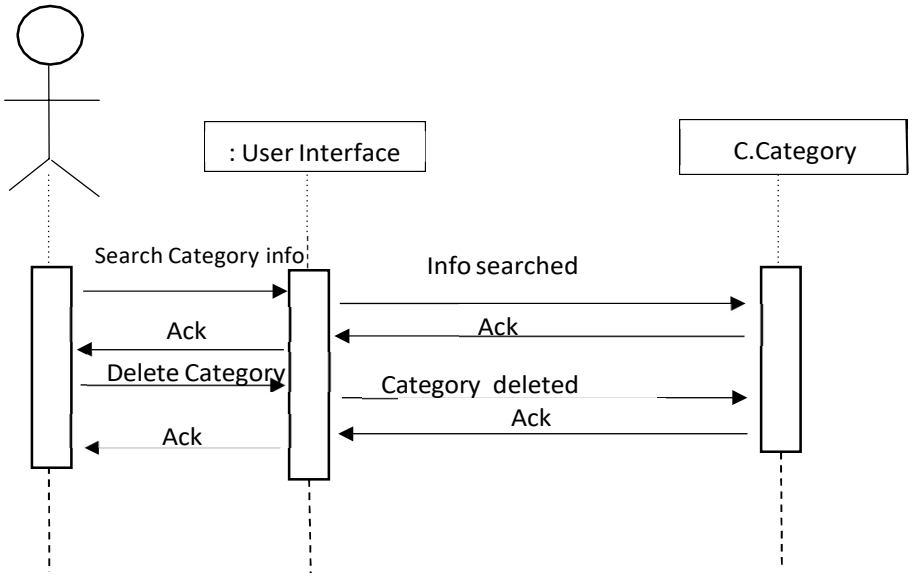
7)To Add Category :



8)To Update Category :

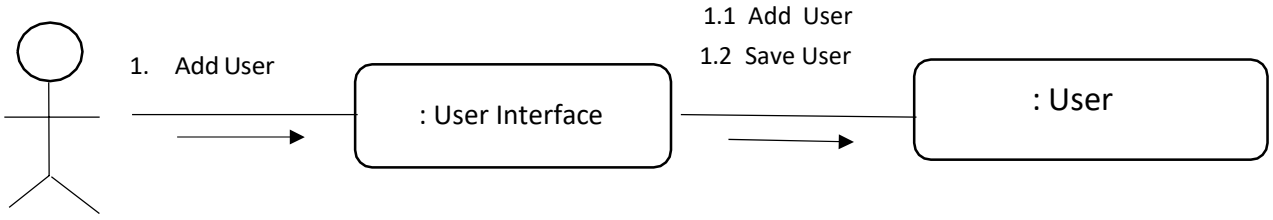


9)To Delete Category :



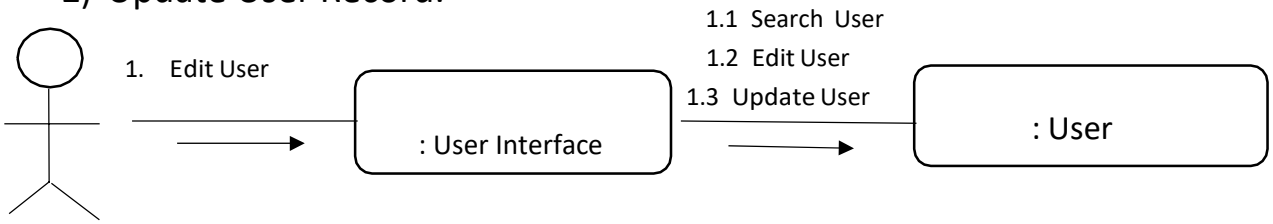
Collaboration Diagram

1) Add User Record:



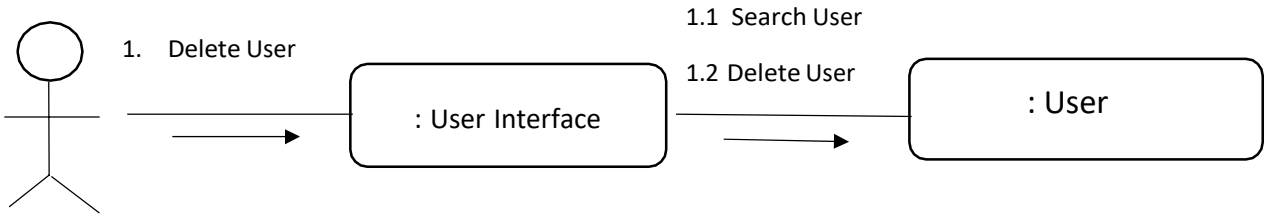
Admin

2) Update User Record:



Admin

3) Delete User Record:



Admin

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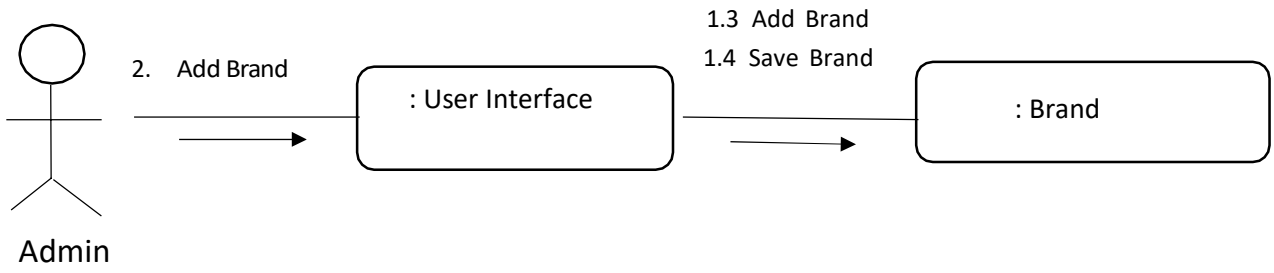

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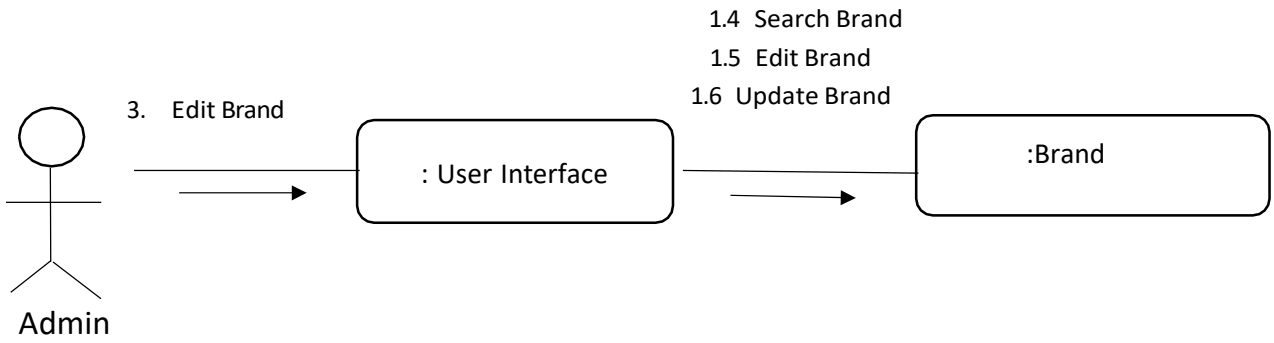
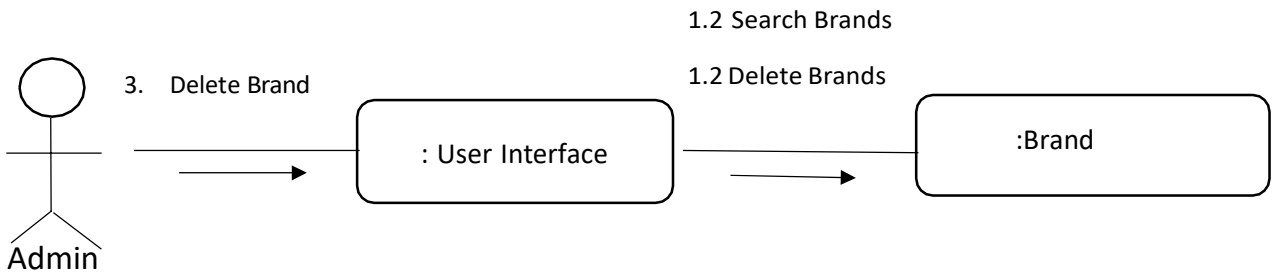
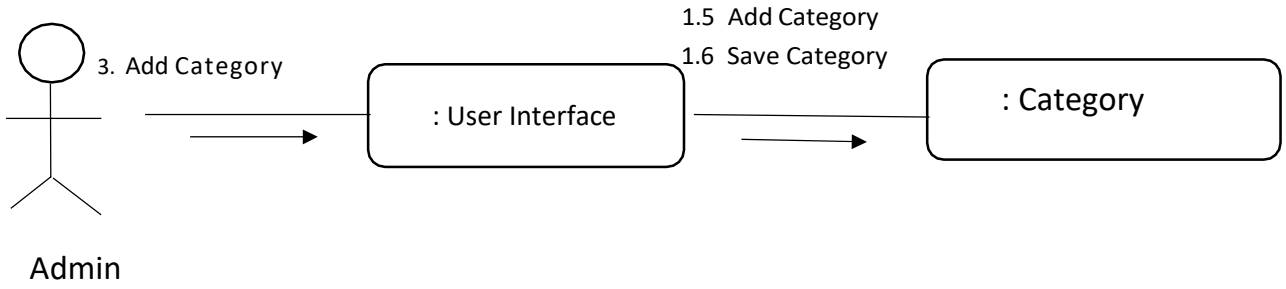


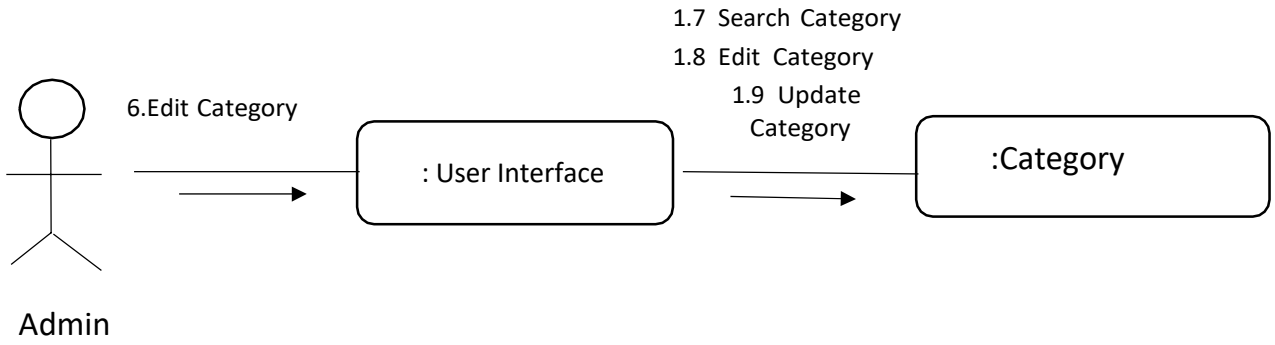
3) Delete Brand Record:



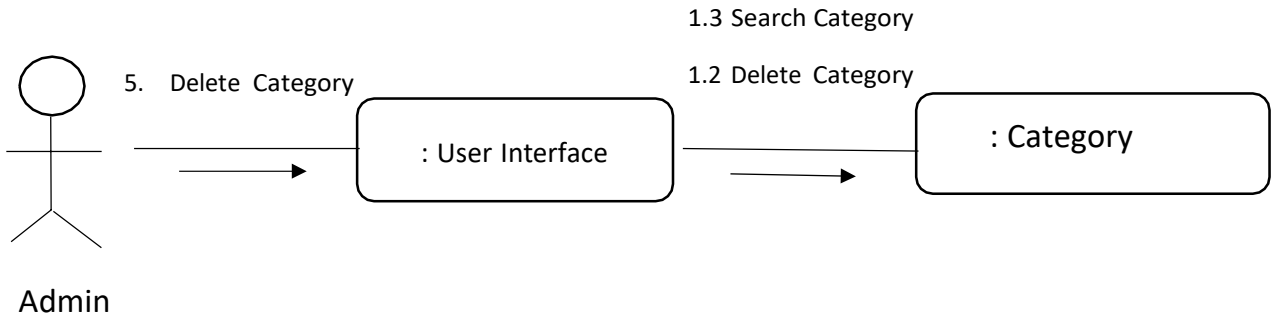
1) Add Category Record:



2) Update Category Record:



3) Delete Category Record:



Derive Table from Entities & Relationship

Users Details

Field Name	Data Type	Description	Attributes
P_id	Int	Hold user p_id	Field size=11
Username	Varchar	Hold Username	Field size=40
Email	Varchar	Hold Users email	Field size=40
Password	Varchar	Hold Password	Field size=8
Confirm Password	Varchar	Hold Confirm Password	Field size=80

Login Details

Field Name	Data Type	Description	Attributes
P_id	Int	Hold user p_id	Field size=11
Username	Varchar	Hold Username	Field size=40
Password	Varchar	Hold Password	Field size=8
Created_at	TimeStamp	Hold User TimeStamp	Field size=

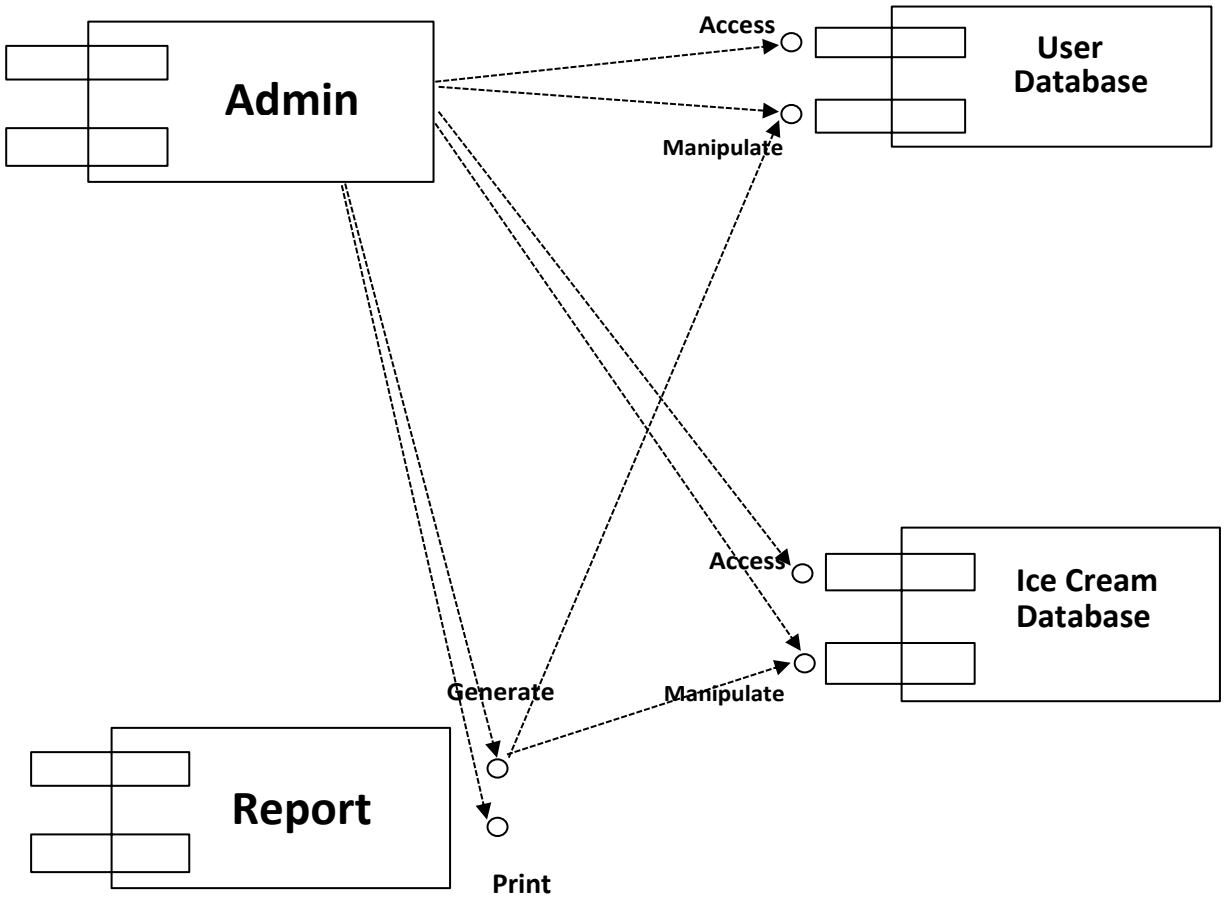
Brand Details

Field Name	Data Type	Description	Attributes
Brand_id	Int	Hold Brand_id	Field size=11
Name	Varchar	Hold Brand Title	Field size=100
Description	Text	Hold Brand description	Field size=100
Price	Decimal	Hold Brand Rate	Field size=20
Image	Varchar	Hold Brand Image	Field size=255

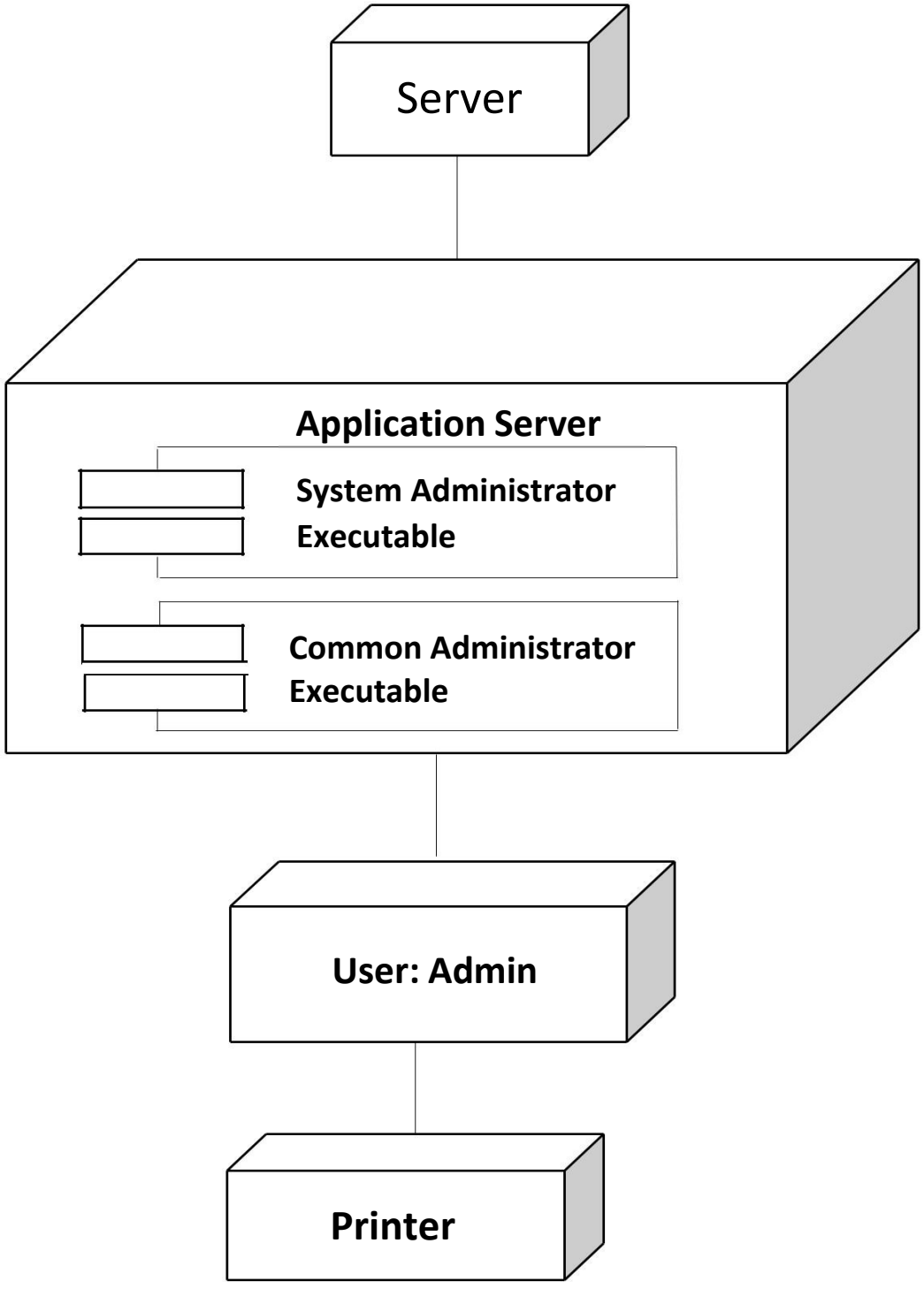
Category Details

Field Name	Data Type	Description	Attributes
Category_id	Int	Hold Category_id	Field size=11
Names	Varchar	Hold Category Name	Field size=100
Description	text	Hold Category description	Field size=100
Price	Decimal	Hold Cateory Rate	Field size=20
Image	Varchar	Hold Category Rate	Field size=255

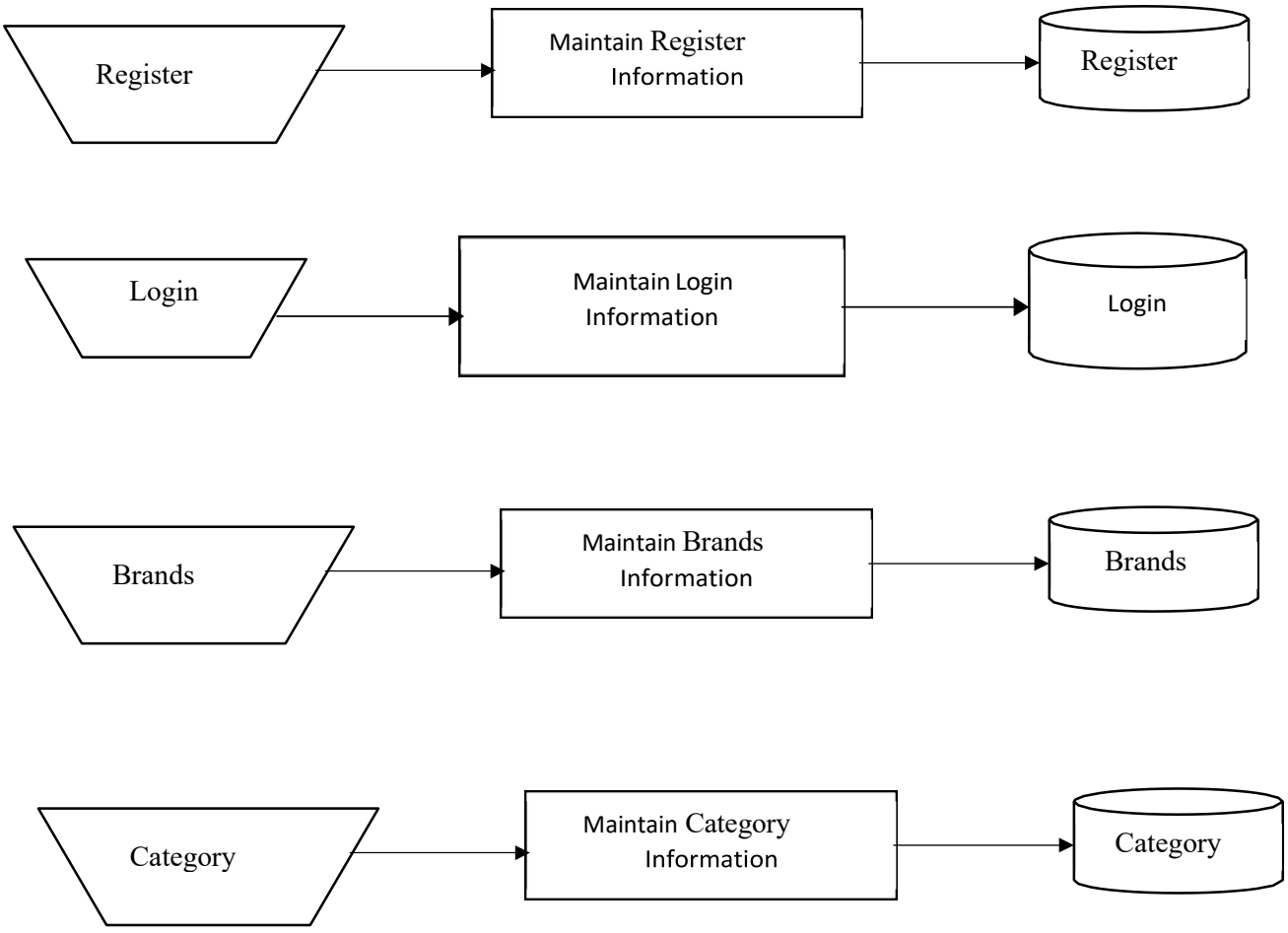
Component Diagram



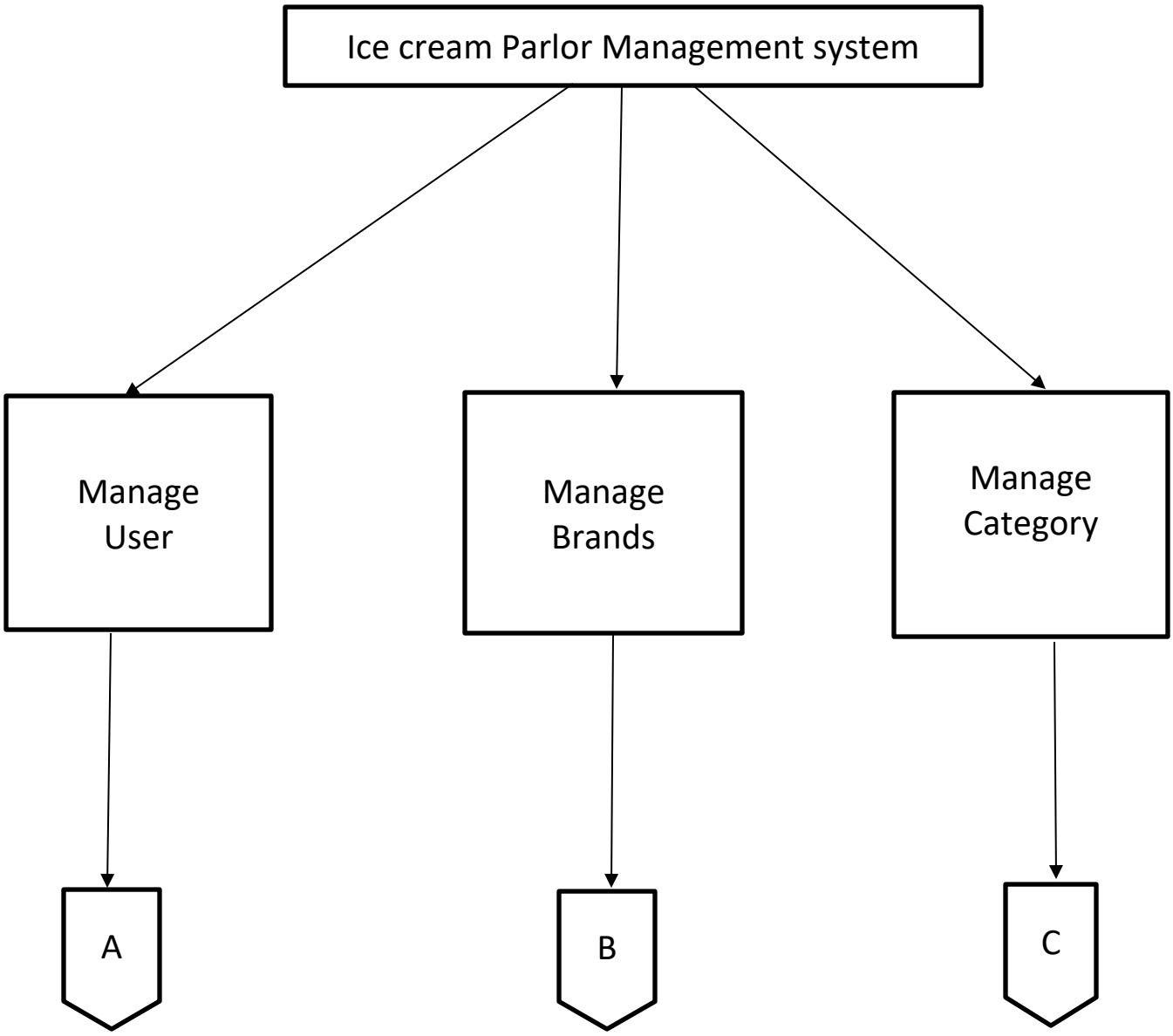
Deployment diagram

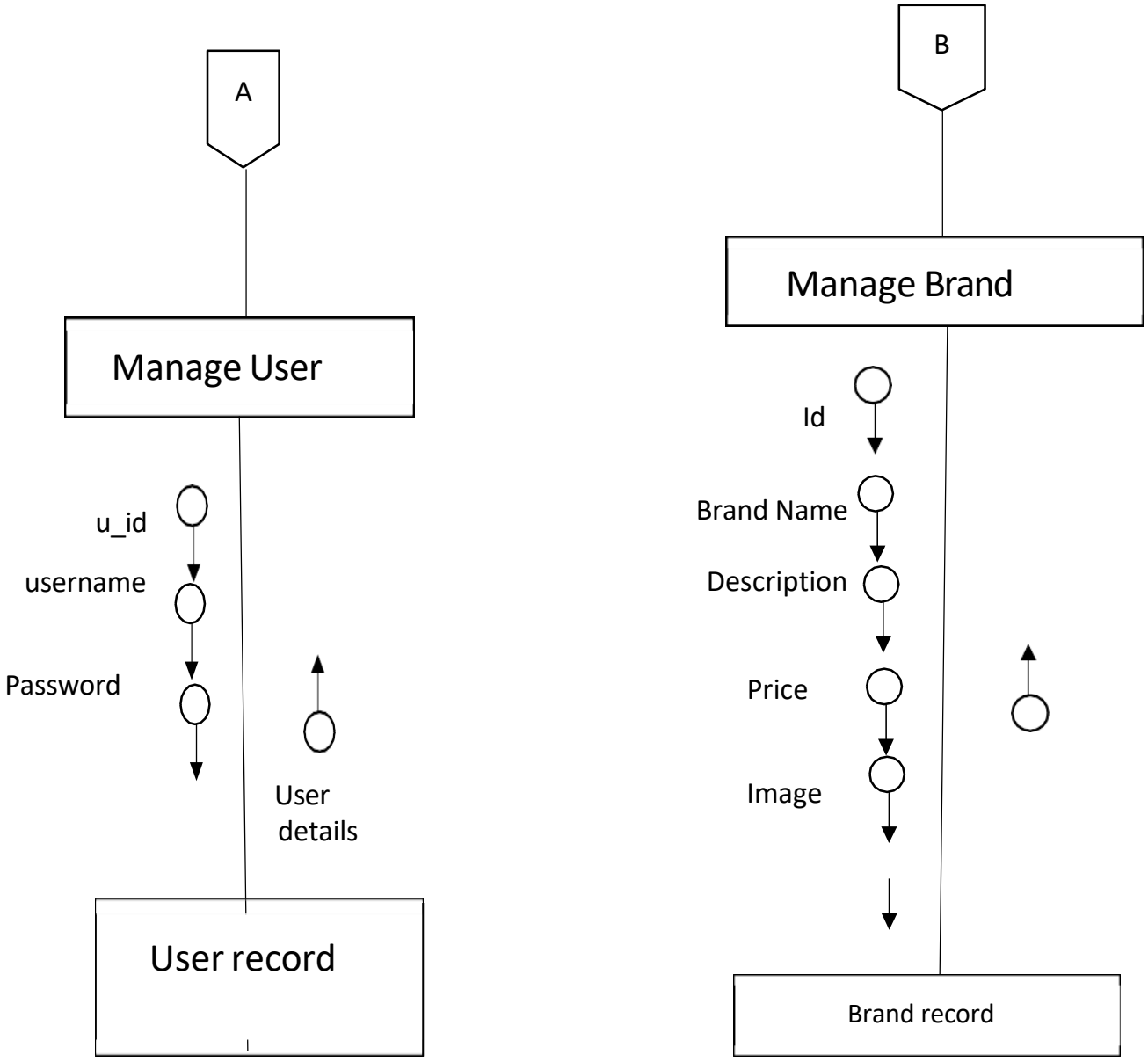


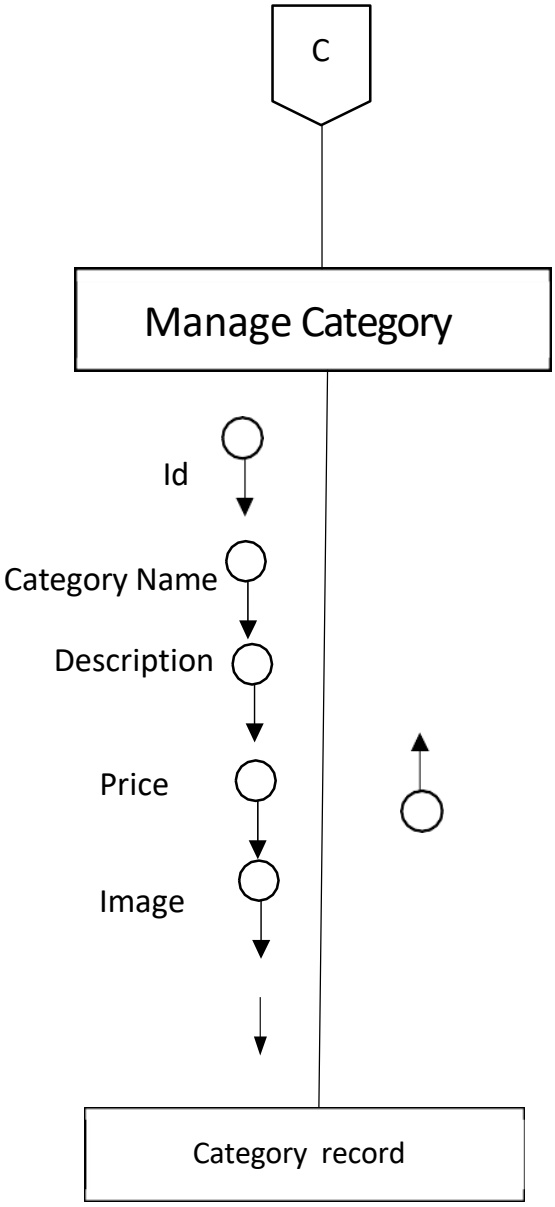
System Flow Chart



Structure Chart




A
Manage User
u_id
username
Password
User
details
User record
B
Manage Brand
Id
Brand Name
Description
Price
Image
Brand record

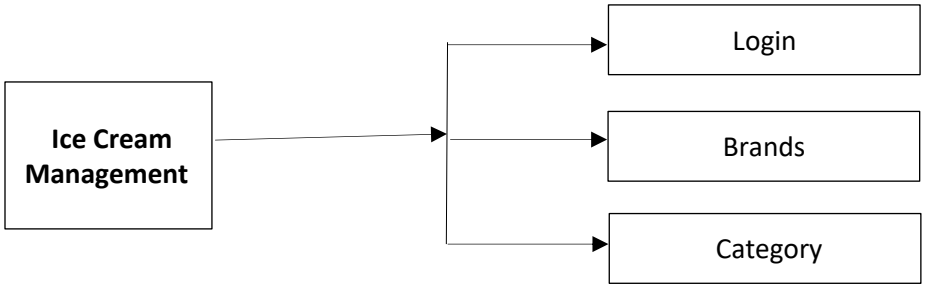

C
Manage Category
Id
Category Name
Description
Price
Image
Category record

PHASE - 4

SYSTEM

CODING

Menu Tree



Test Case and Validation

Test Case id	Unit to test	Assumption	Test Data	Steps to Execute	Accepted Result	Actual Result	Pass/ Fail
1	Admin login	Username: ”Admin” Password: ”pass123”	Username: ”Admin” Password: ”pass123”	1. Open Login Window 2. Enter Username 3. EnterPassword 4. Click on Login Button	Message: Open’s Dashboard	Message: Open’s Dashboard	pass
			Username: ”admin” Password: ”12345”	1. Open LoginWindow 2. Enter Username 3. EnterPassword 4. Clickon Login Button	Message: Login failed. Please check your username & password	Message: Login failed. Please check your username& password	pass
2	register	User_id=1 Username= ”Omkar” Email=”omk@gmail.com” Password= ” omkomk ”	p_id=2 Username= ”sam” Email=omk@gmail.com Password= ”samsam”	1.Visit User Form 2. Add User Form info 3. Add User Form	Message: USER SUCCESSFULLY CREATED	Message: USER SUCCESSFULLY CREATED	pass

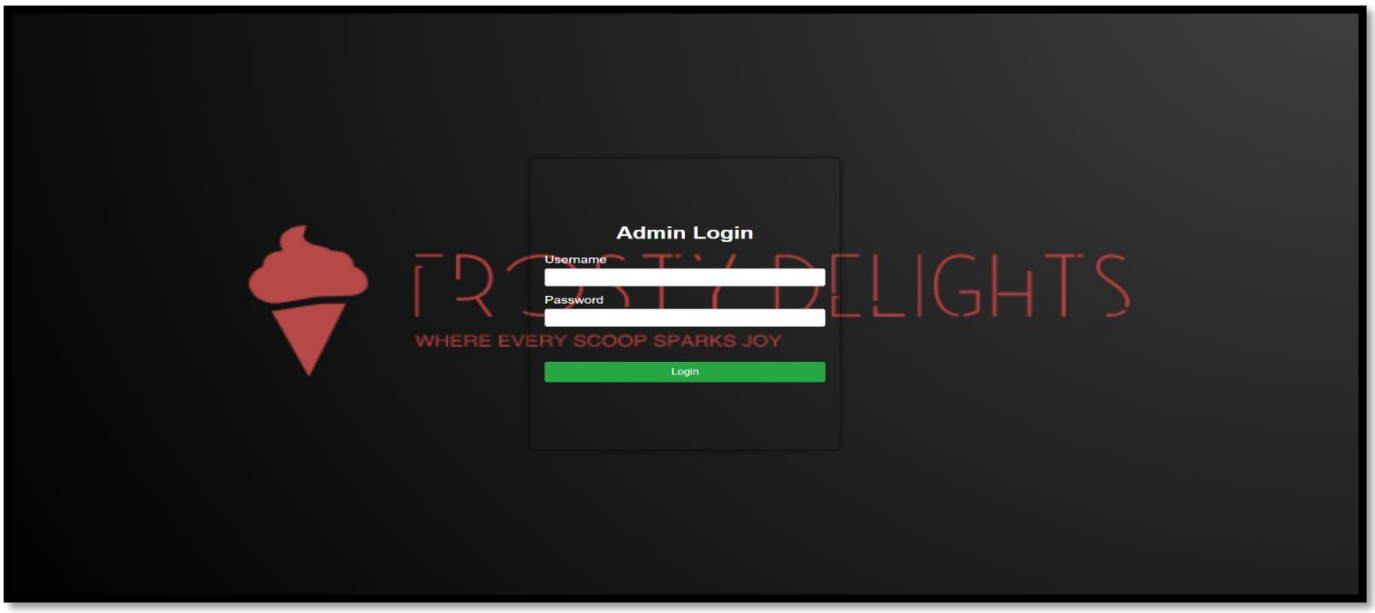
		Confirm Password= ”omkomk”	Confirm Password= ”samsam”				
			p_id=2 Username= ”sam” Email=sam @gmail.com Password= ”samsam” Confirm Password= ”sam23”	1.Visit Register Form 2.Add User Form info 3.Add User Form	Message: PASSWORD DONT MATCH	Message: PASSWORD DONT MATCH	pass

3	Kulfis	Kulfi Title=" Shahi Kulfi" Kulfi Description=" Rich and creamy shahi Kulfi ,a royal treat." Price="50" Select image=" icecream /K1.jpg " 	Kulfi Title=" Malai Kulfi" Kulfi Description=" Classic Malai Kulfi, made with Condensed milk and saffron." Price=" 60" Select image=" icecream/ K2.jpg " 	2.Add Kulfi Form info 3.Add Kulfi Form	KULFI SUCCESSF ULLY CREATED	KULFI SUCCESSF ULLY CREATED	pass

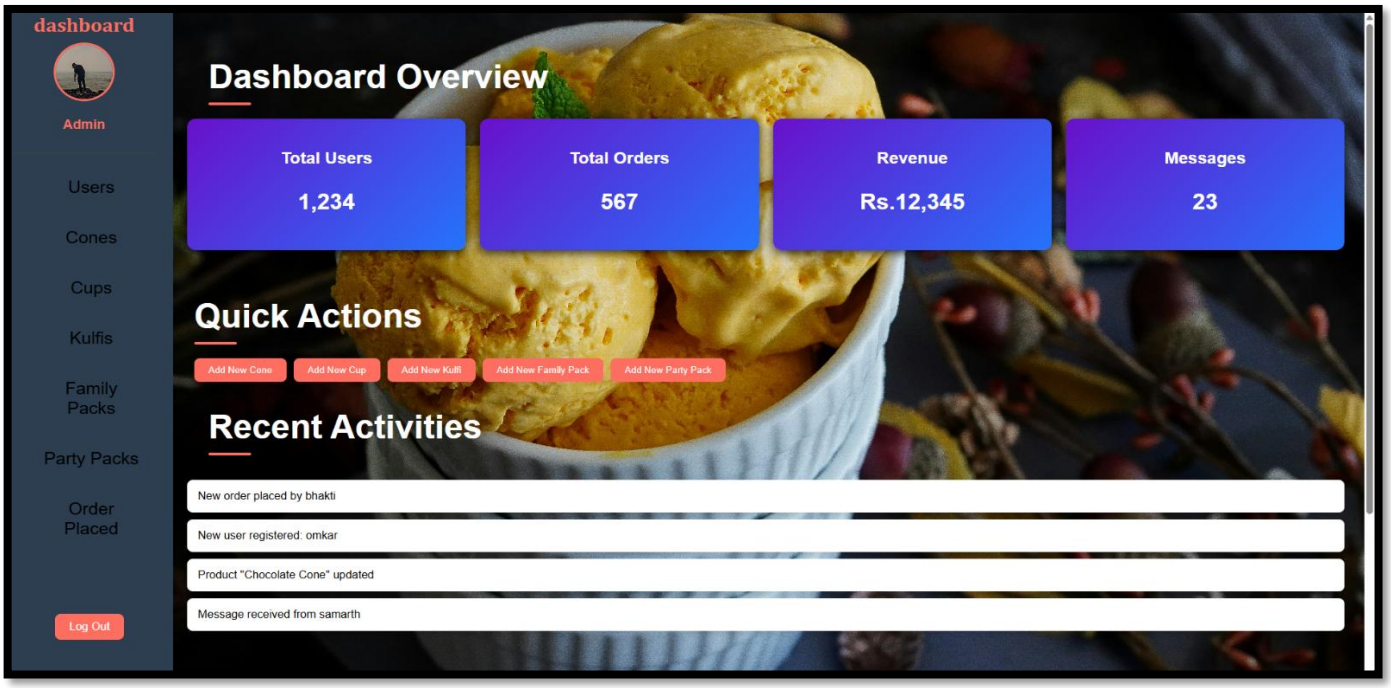
4	Party Pack	Party Pack Title=" Vanilla Party Pack " Party Pack Description=" Classic Vanilla ice cream for Party celebration " Rate="50" Select image=" icecream/P1.png "	Party Pack Title="Butterscotch Party Pack" Party Pack Description=" Rich butterscotch Ice cream for Party fun." Rate="60" Select image=" icecream/P2.png "	1. Visit Party pack Form 2. Add Party Pack Form info 3.Add Party Pack Form	Msg: Party Pack created Successfully	Msg: Party Pack created Successfully	pass

PHASE – 5
SYSTEM LAYOUT

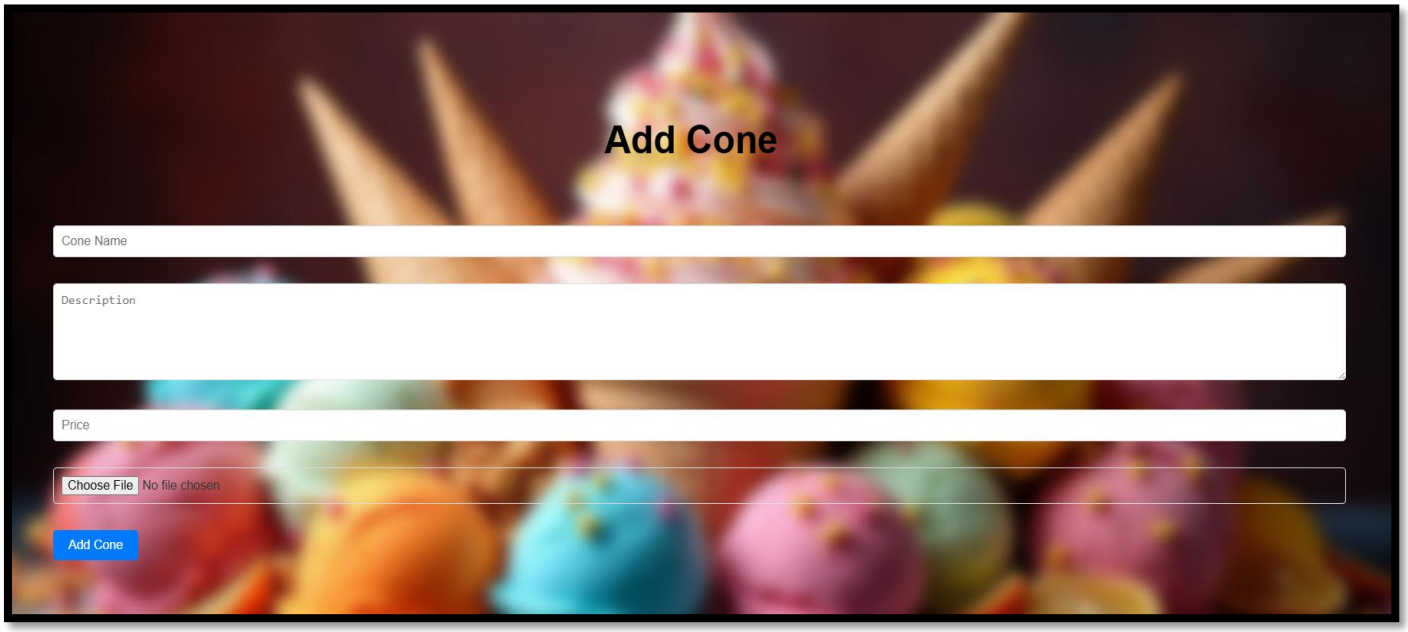
Admin Login:



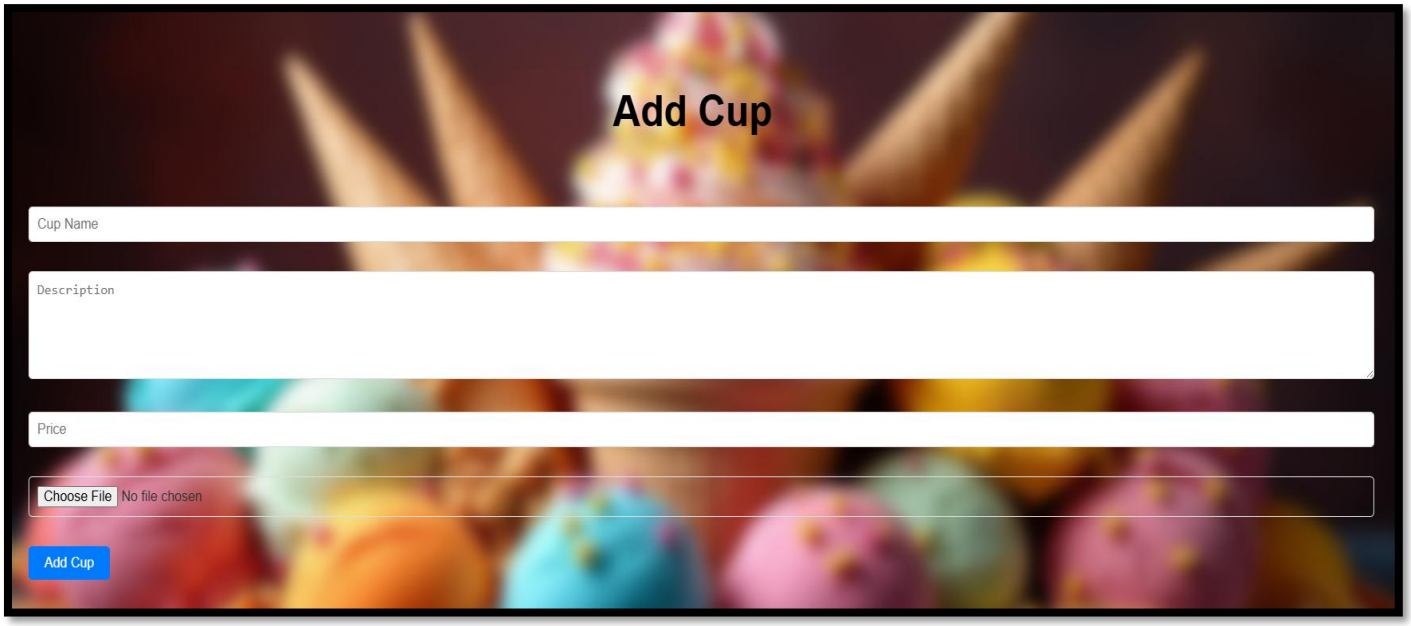
Dashboard:



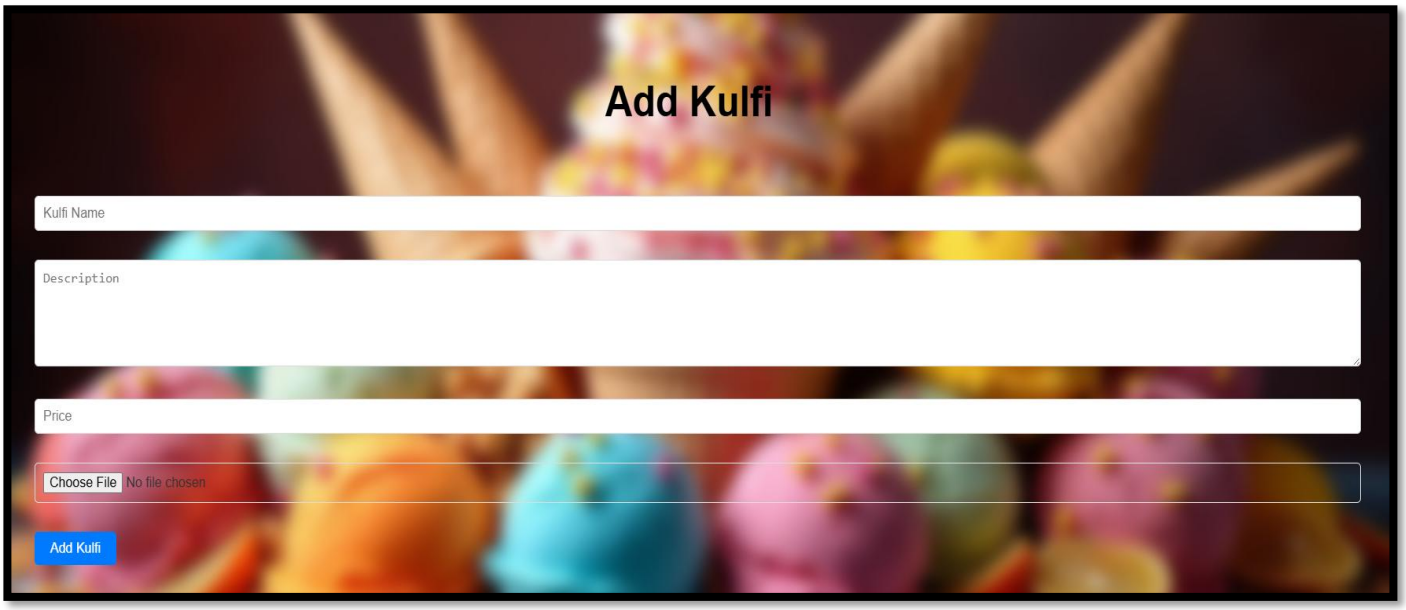
Add Cones:



Add Cups:

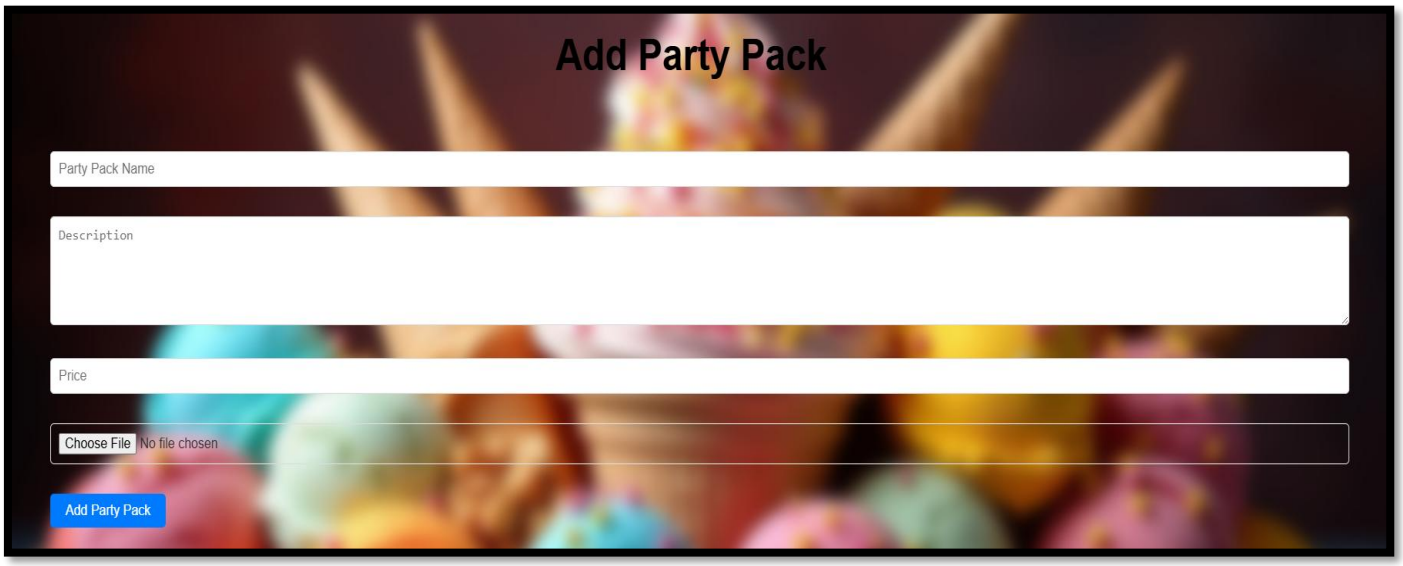


Add Kulfis :

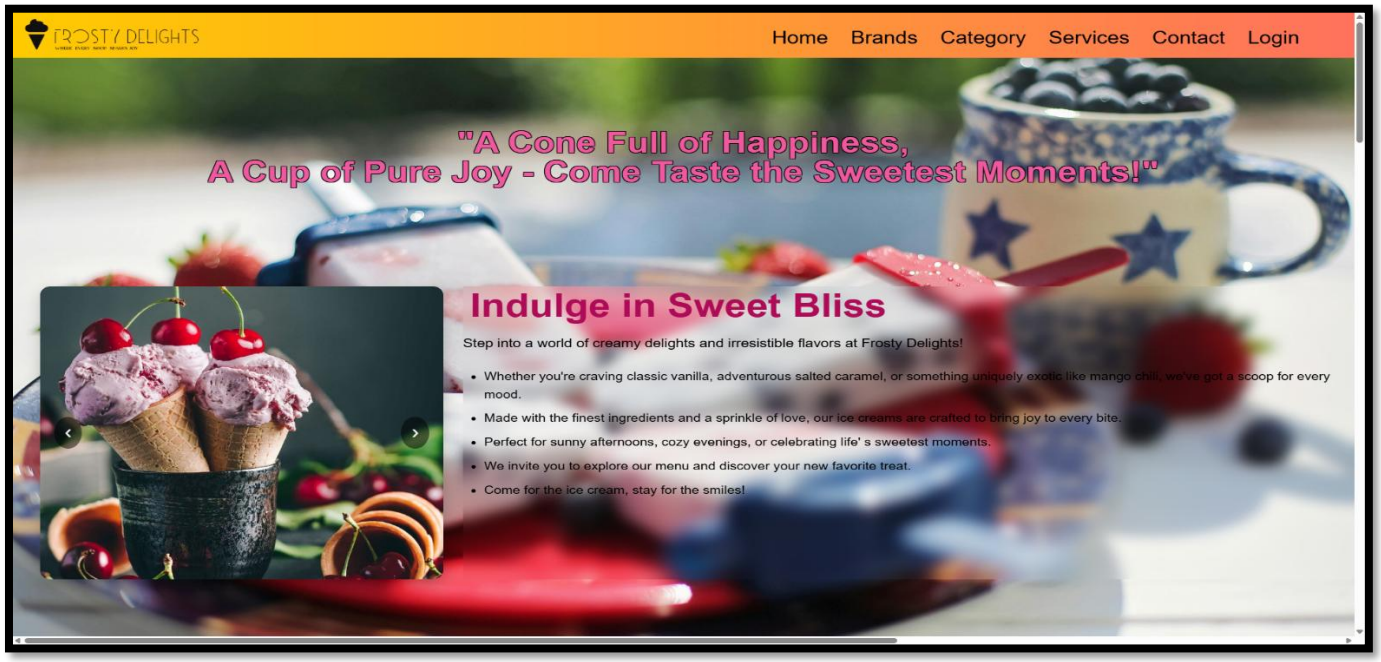


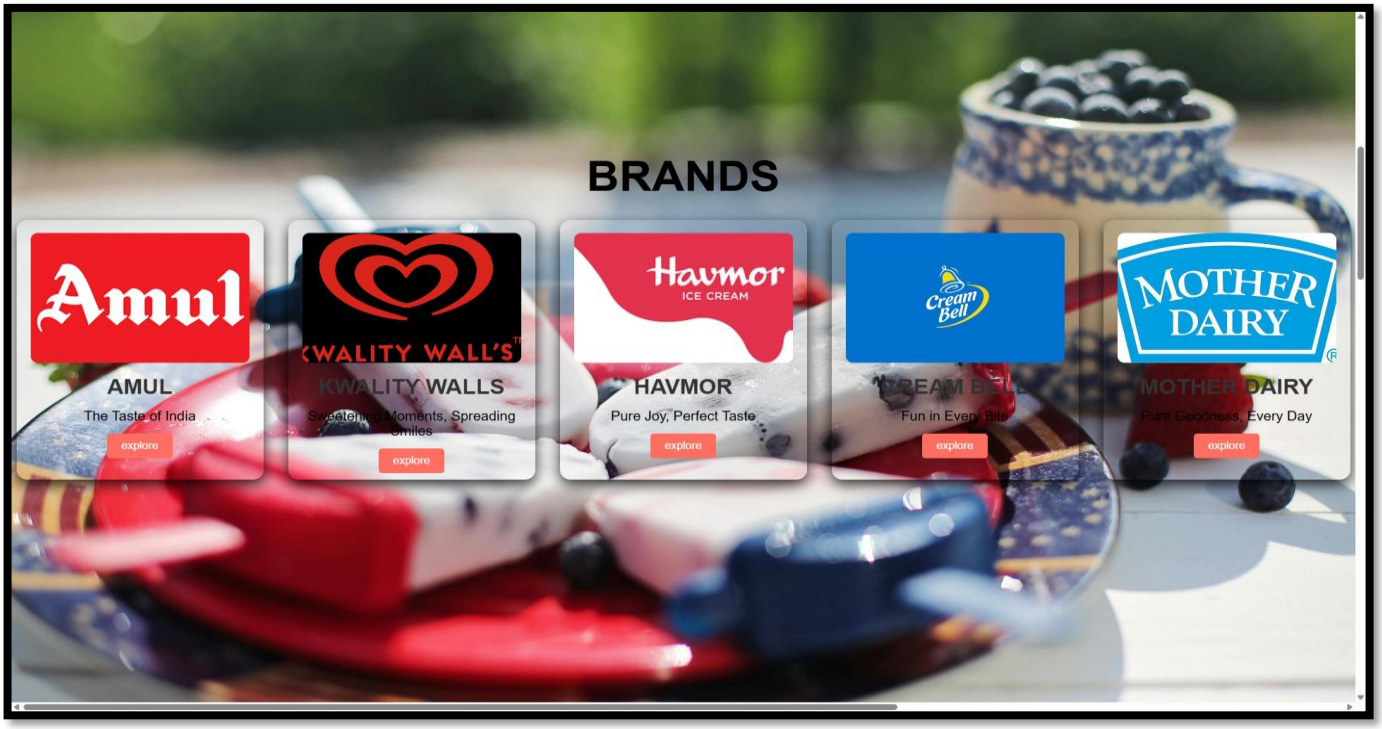
Add Family Pack :

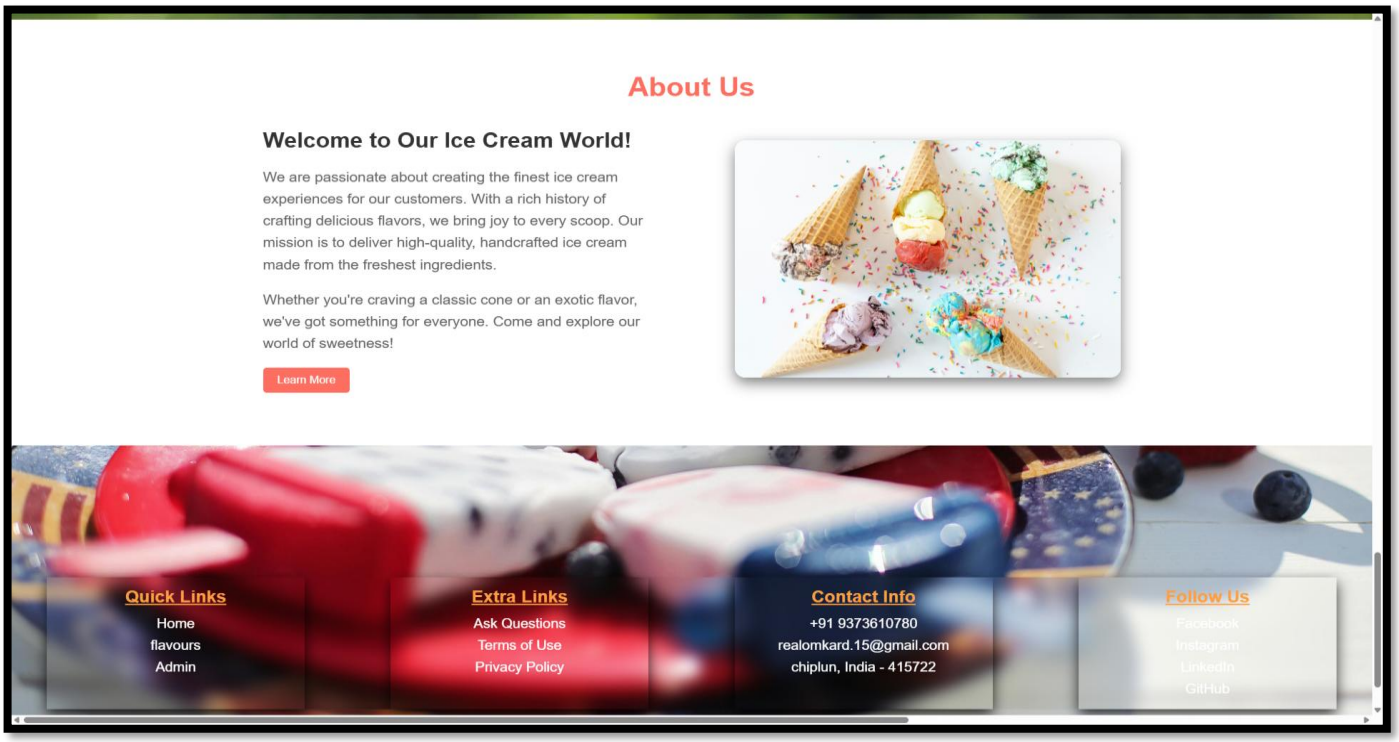
Add Party Pack :



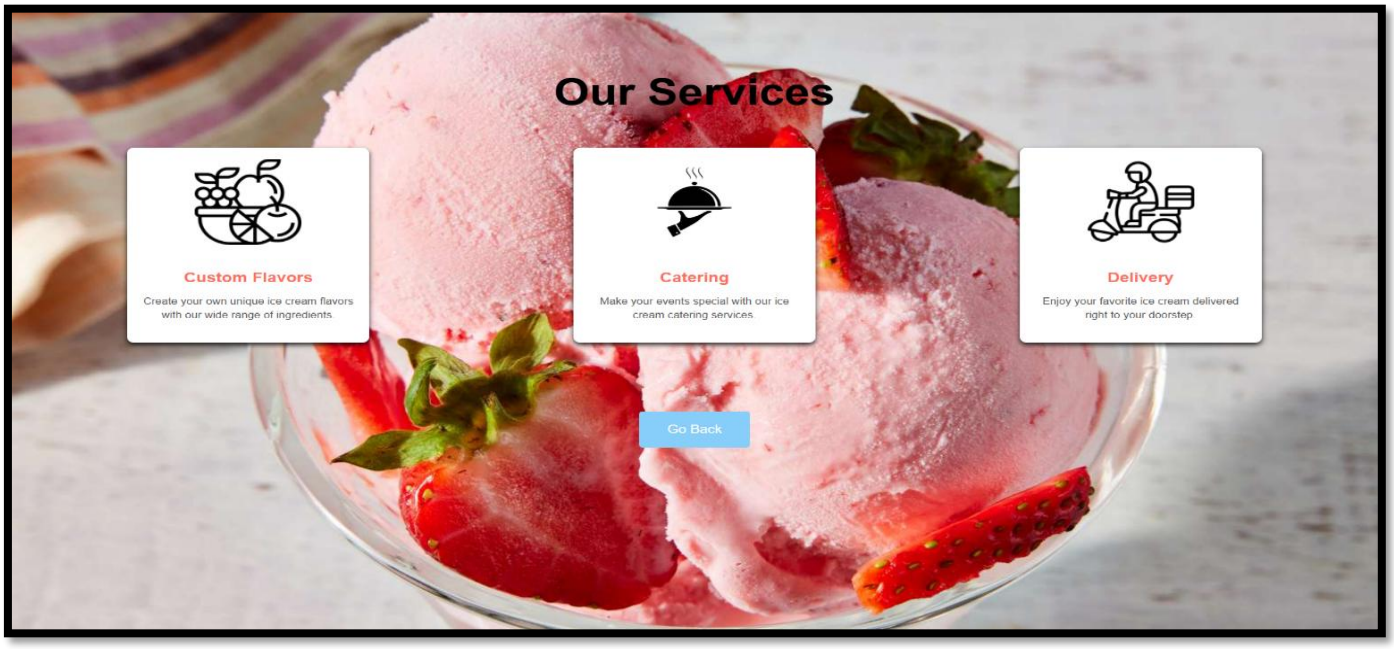
Home Page:



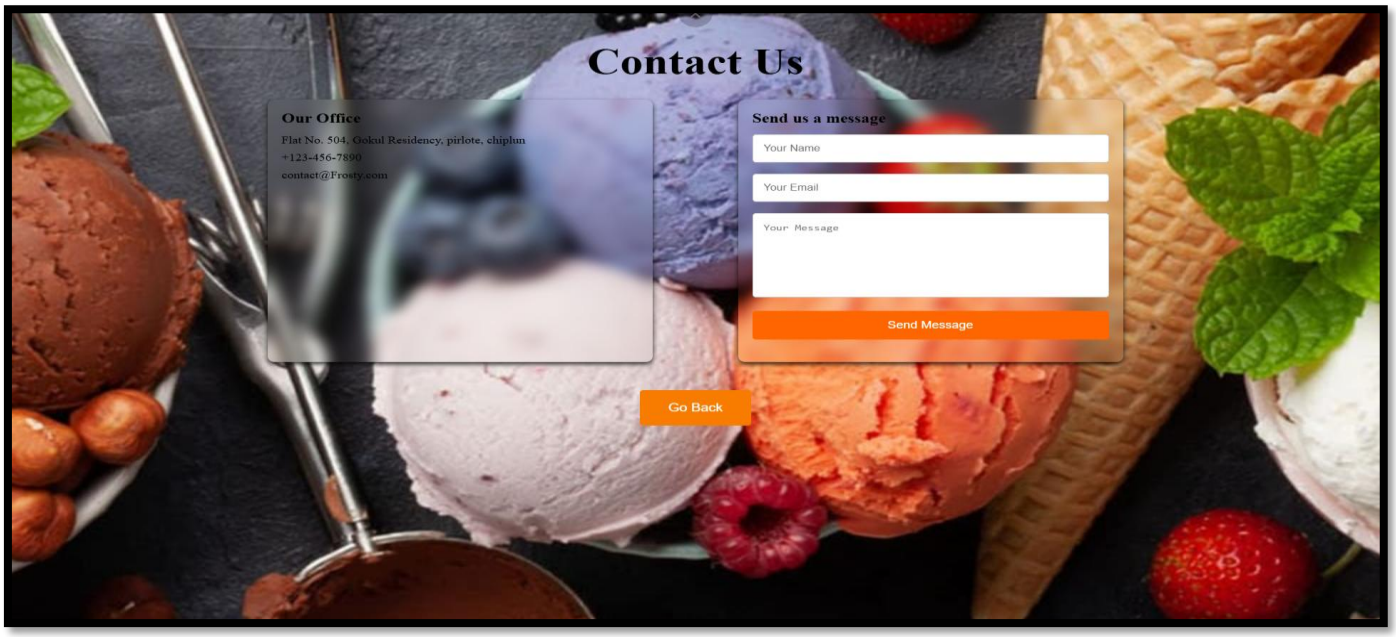

BRANDS
Amul
AMUL
The Taste of India
explore
KWALITY WALL'S
KWALITY WALLS
Sweetening Moments, Spreading Smiles
explore
Havmor
ICE CREAM
HAVMOR
Pure Joy, Perfect Taste
explore
Cream Bell
Fun in Every Bite
explore
MOTHER DAIRY
Pure Goodness, Every Day
explore


About Us
Welcome to Our Ice Cream World!
We are passionate about creating the finest ice cream experiences for our customers. With a rich history of crafting delicious flavors, we bring joy to every scoop. Our mission is to deliver high-quality, handcrafted ice cream made from the freshest ingredients.
Whether you're craving a classic cone or an exotic flavor, we've got something for everyone. Come and explore our world of sweetness!
Learn More
Quick Links
Home
flavours
Admin
Extra Links
Ask Questions
Terms of Use
Privacy Policy
Contact Info
+91 9373610780
realomkard.15@gmail.com
chiplun, India - 415722
Follow Us
Facebook
Instagram
LinkedIn
GitHub

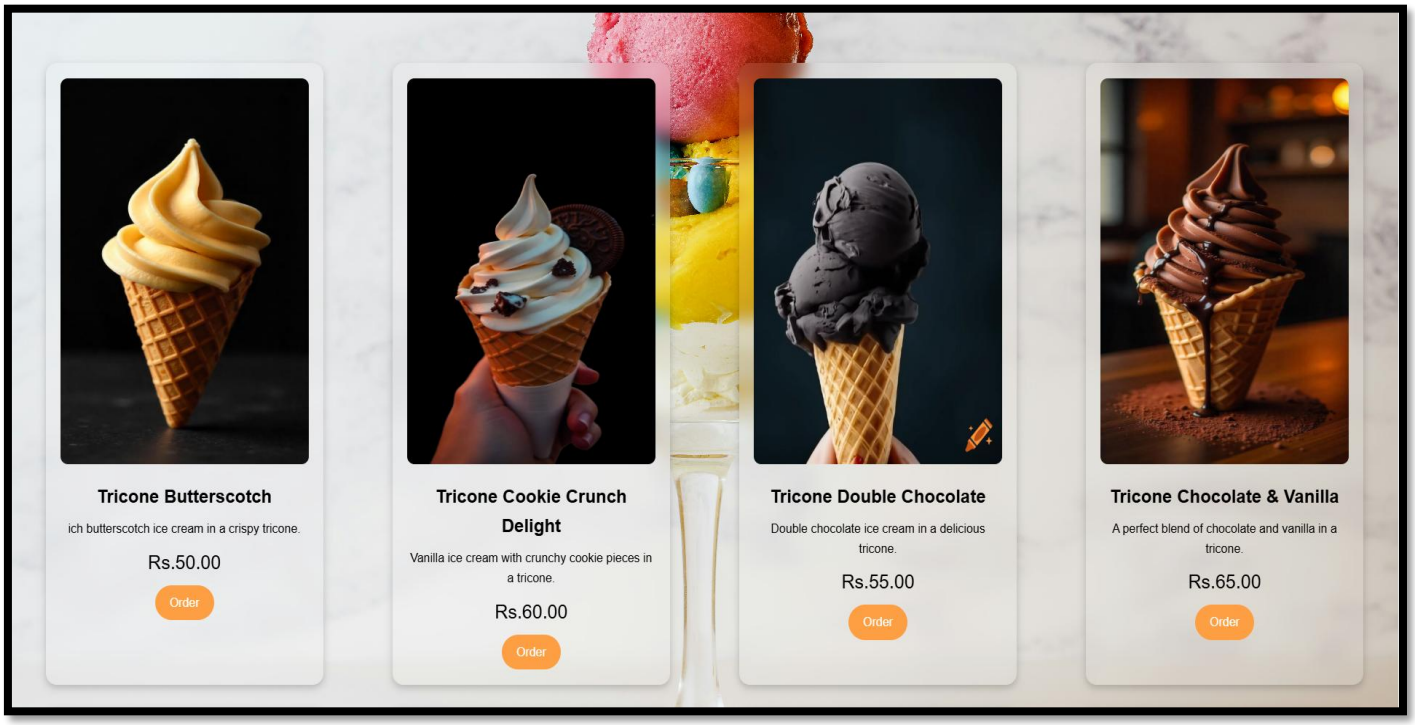
Services Page:

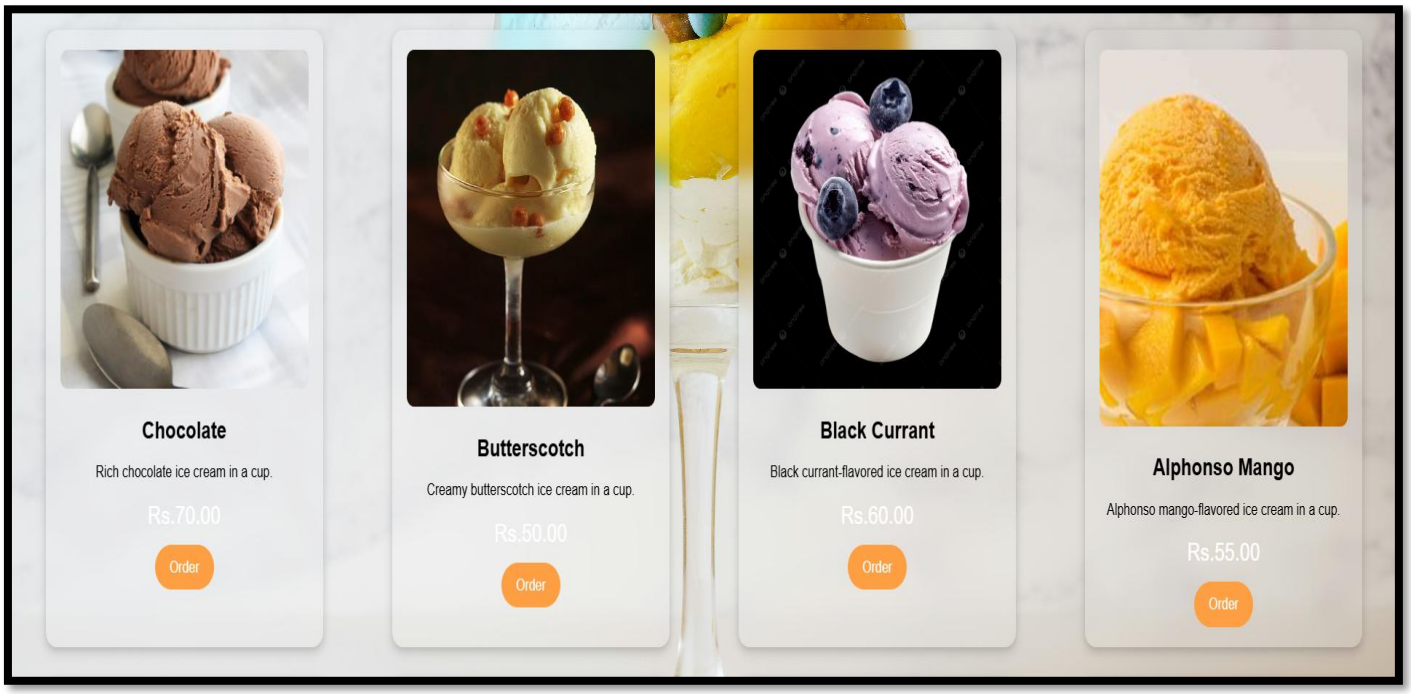


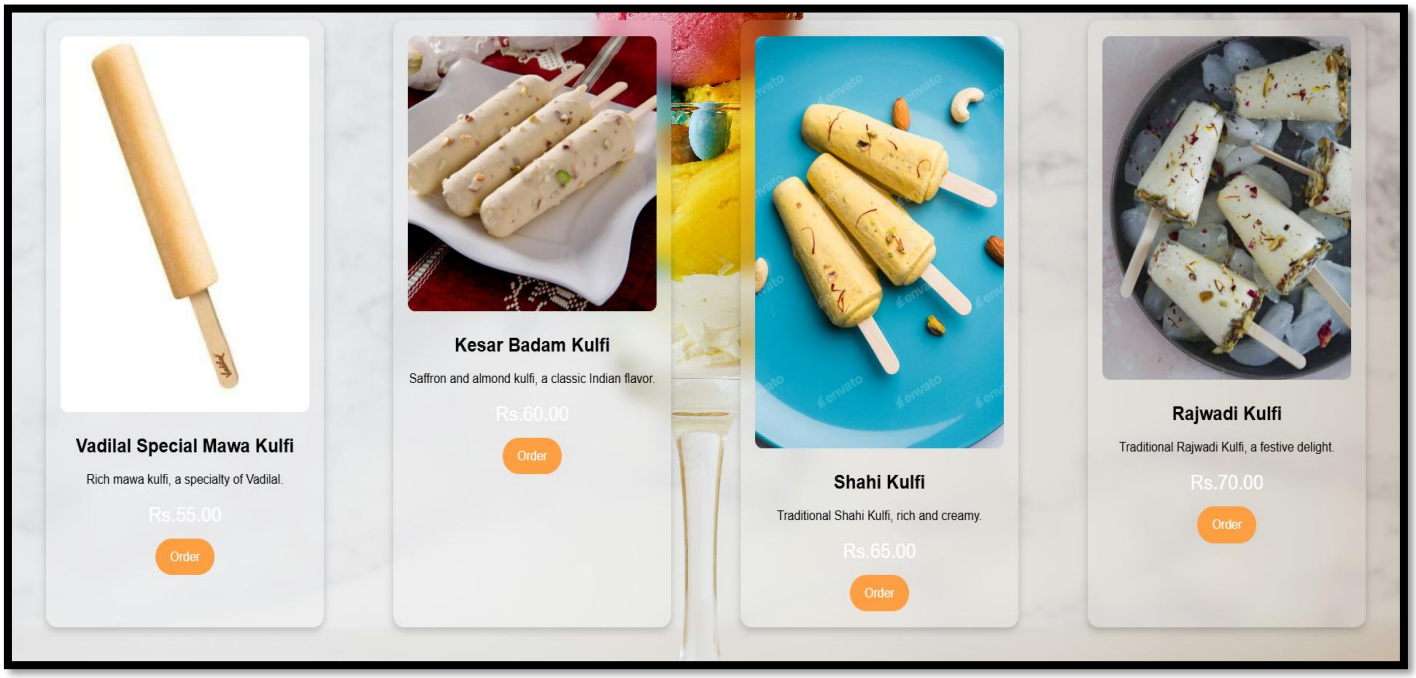
Contact Us Page:

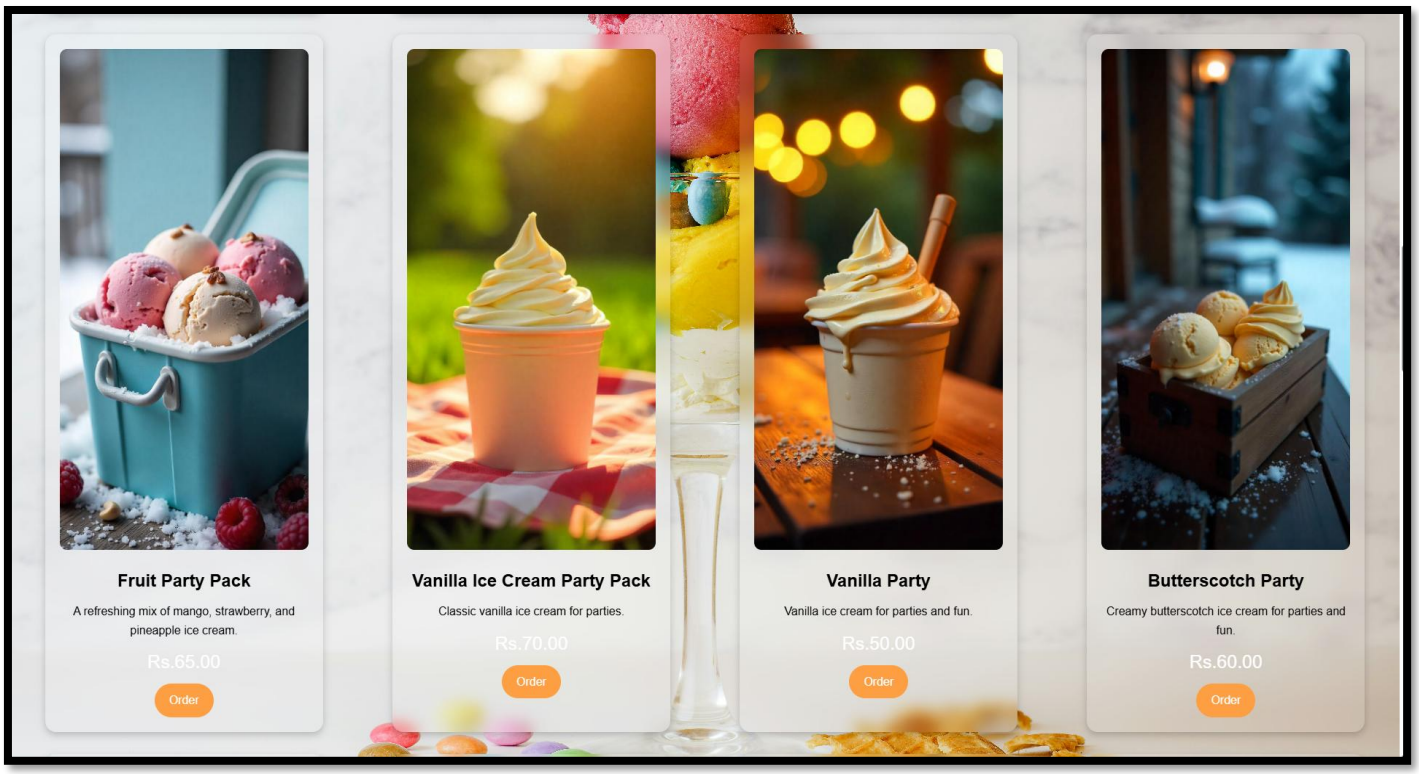


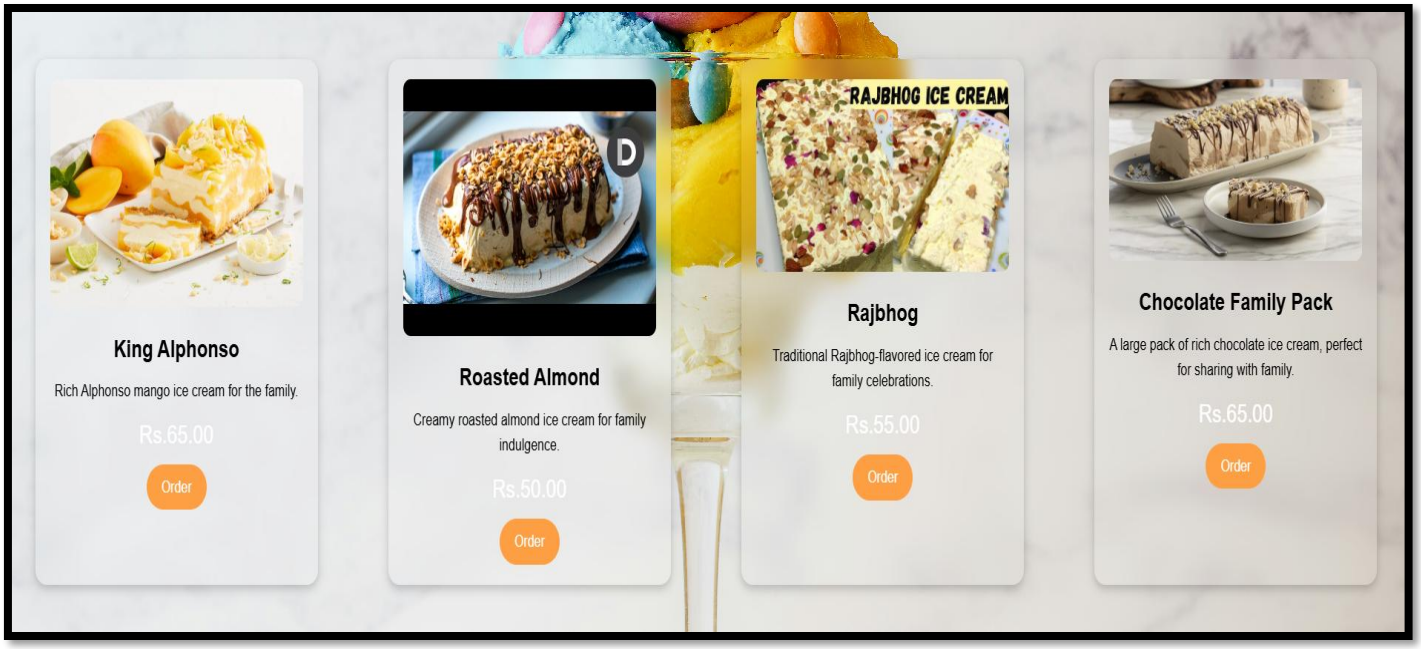
Categories Page:



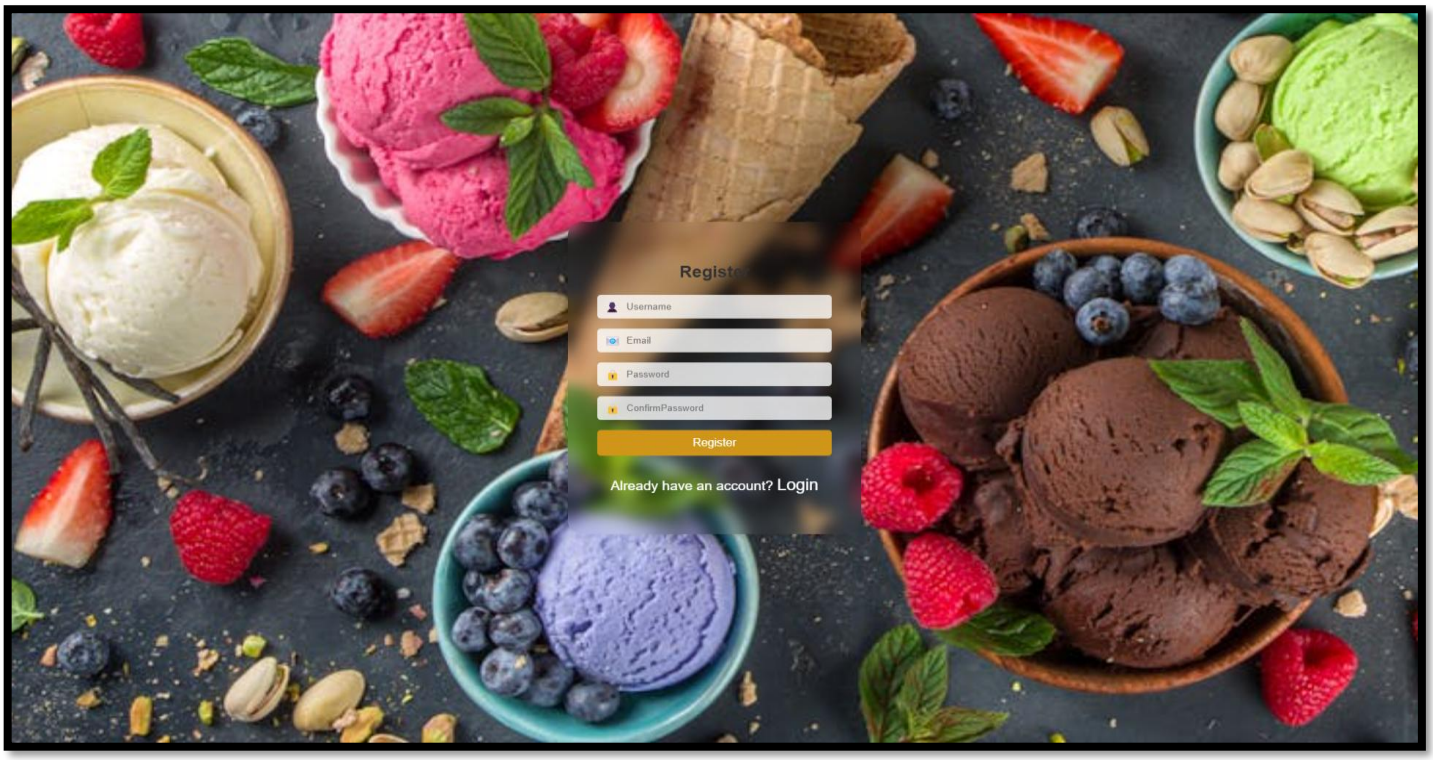



Vadilal Special Mawa Kulfi
Rich mawa kulfi, a specialty of Vadilal.
Rs.55.00
Order
Kesar Badam Kulfi
Saffron and almond kulfi, a classic Indian flavor.
Rs.60.00
Order
Shahi Kulfi
Traditional Shahi Kulfi, rich and creamy.
Rs.65.00
Order
Rajwadi Kulfi
Traditional Rajwadi Kulfi, a festive delight.
Rs.70.00
Order

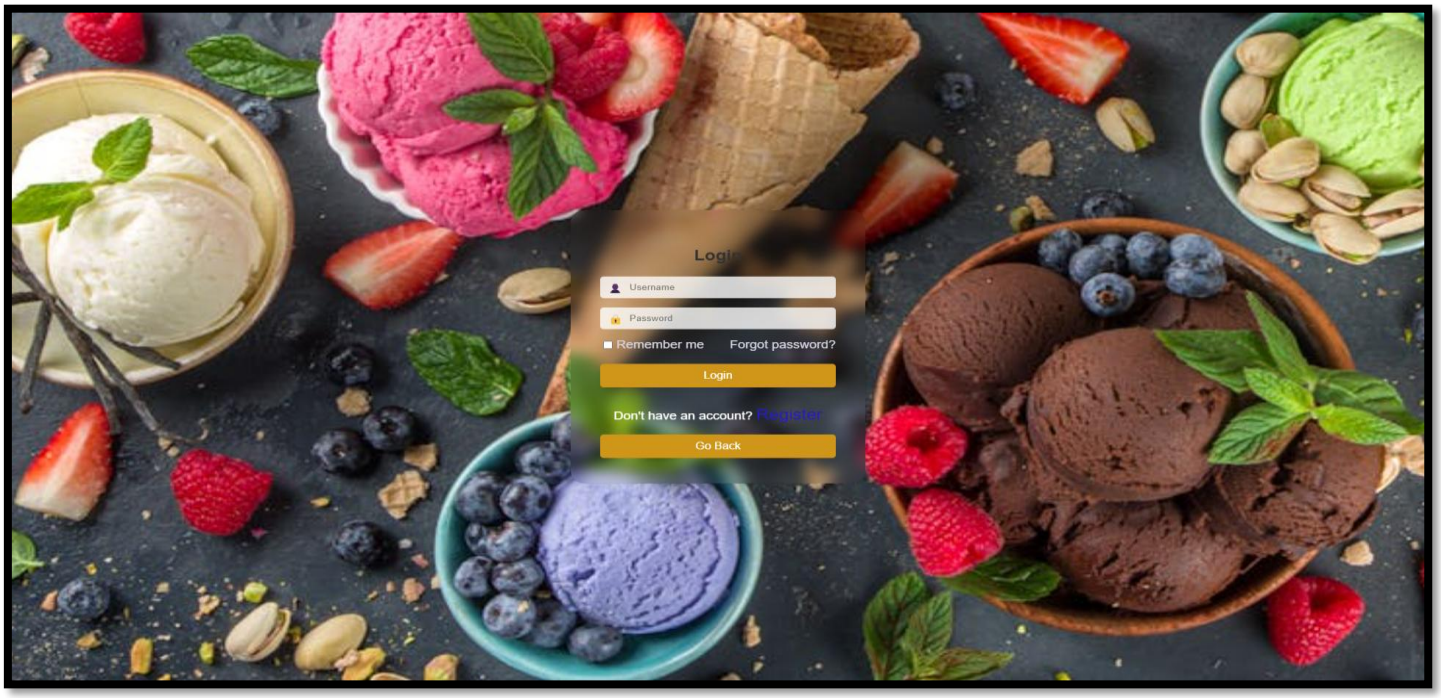

Fruit Party Pack
A refreshing mix of mango, strawberry, and pineapple ice cream.
Rs.65.00
Order
Vanilla Ice Cream Party Pack
Classic vanilla ice cream for parties.
Rs.70.00
Order
Vanilla Party
Vanilla ice cream for parties and fun.
Rs.50.00
Order
Butterscotch Party
Creamy butterscotch ice cream for parties and fun.
Rs.60.00
Order



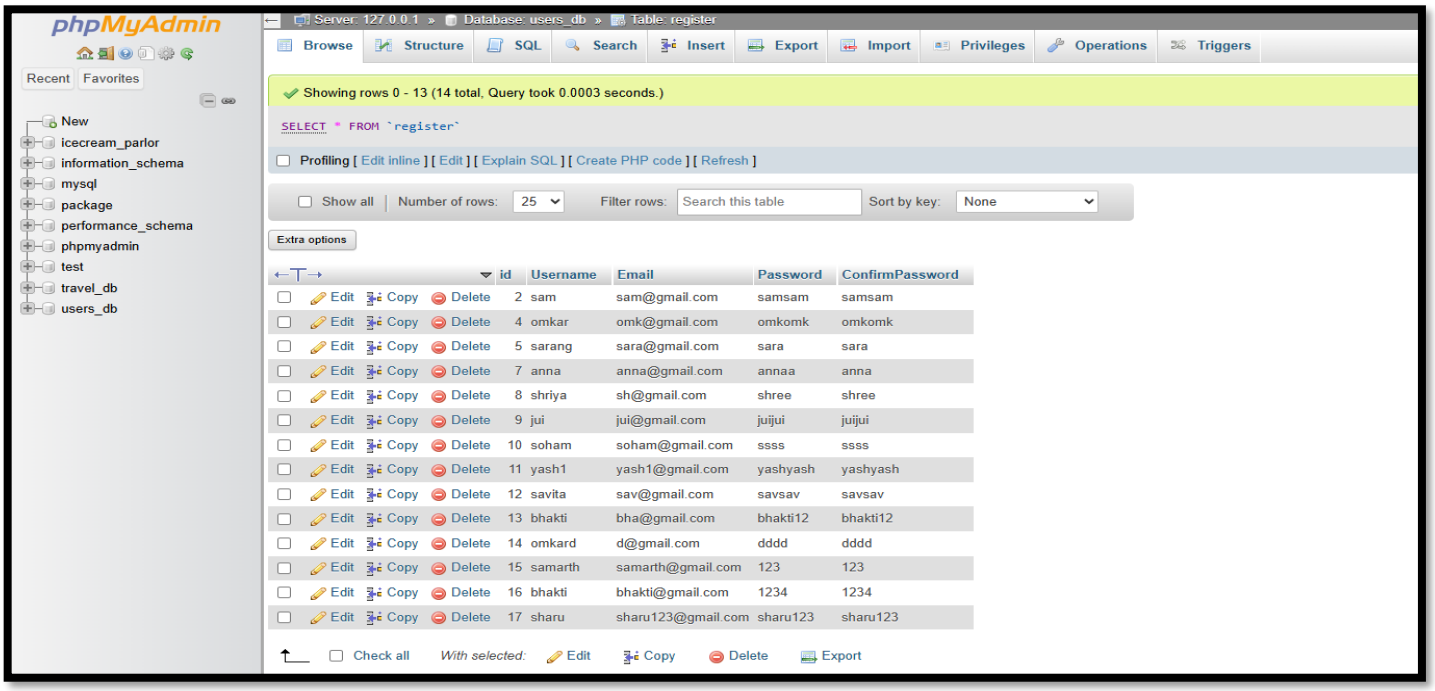
User Registration Page:

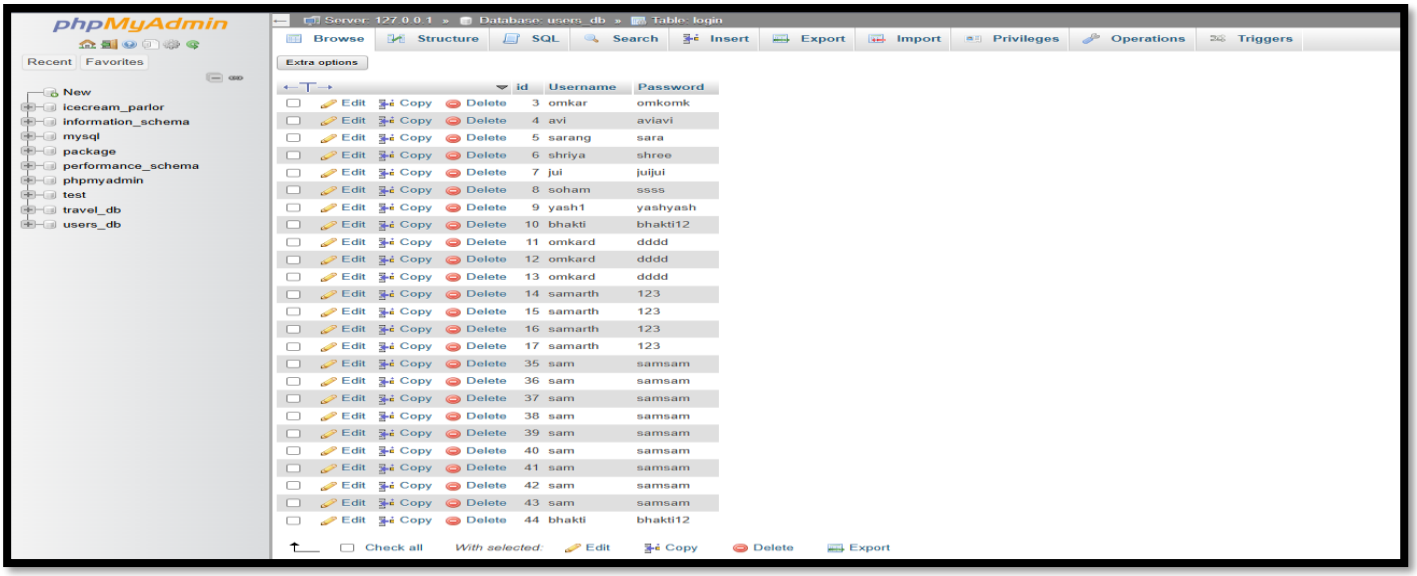


User Login Page:

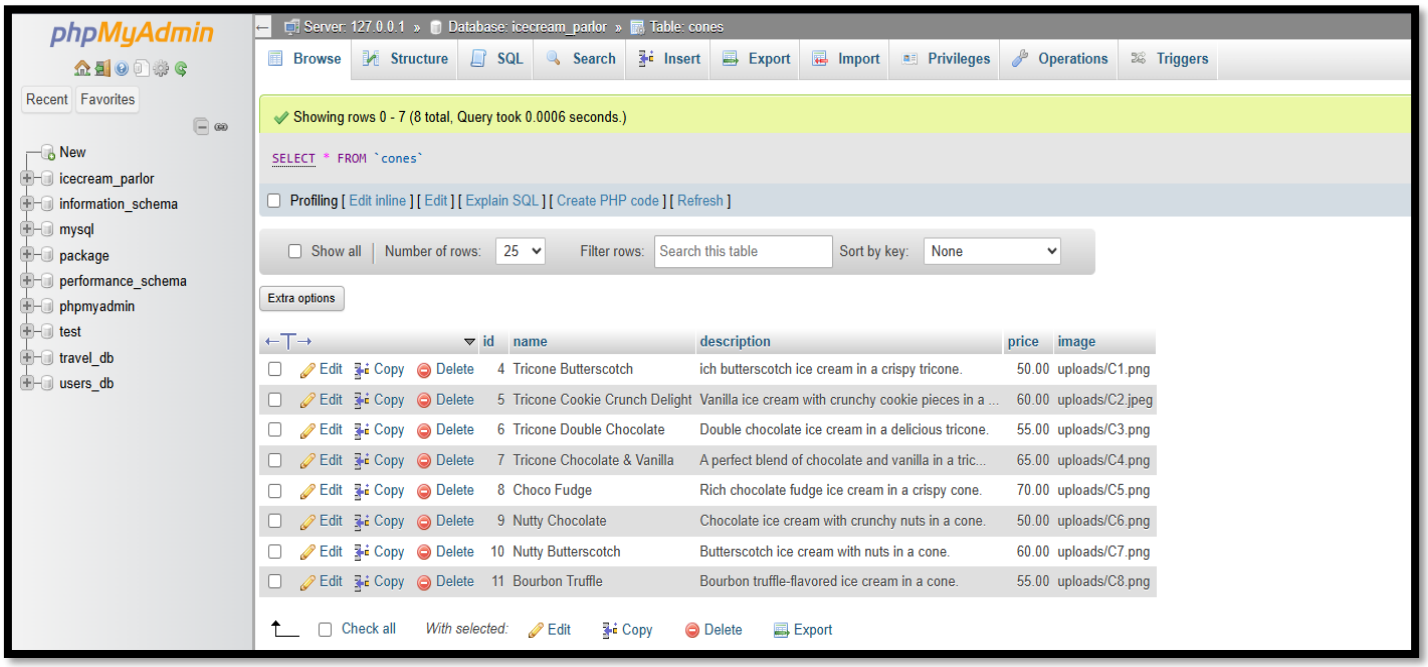


Manage Users:





Manage Ice-cream:



Coding

Home:

```
<!DOCTYPE html>
<html>
<head>
<title>home</title>
<link rel="stylesheet" href="home.css">
<script>
// Function to get query parameters from the URL
function getQueryParam(param) {
    const urlParams = new URLSearchParams(window.location.search);
    return urlParams.get(param);
}

// Function to handle logout
function logout() {
    localStorage.setItem('loggedIn', 'false'); // Update login status
    window.location.href = 'home.html?logout=success'; // Redirect with logout success parameter
}

// Check for login or logout status on page load
window.onload = function () {
    const loginStatus = getQueryParam('login');
    const logoutStatus = getQueryParam('logout');

    if (loginStatus === 'success') {
        alert('User logged in successfully!');
        localStorage.setItem('loggedIn', 'true'); // Set login status
    }

    if (logoutStatus === 'success') {
        alert('User logged out successfully!');
    }
};
</script>
<script>
// Function to get query parameters from the URL
function getQueryParam(param) {
    const urlParams = new URLSearchParams(window.location.search);
    return urlParams.get(param);
}

// Function to handle logout
function logout() {
    localStorage.setItem('loggedIn', 'false'); // Update login status
```

```
    window.location.href = 'home.html?logout=success'; // Redirect with logout success parameter
}

// Function to lock/unlock buttons based on login status
function updateButtonAccess() {
    const isLoggedIn = localStorage.getItem('loggedIn') === 'true';
    const buttonsToLock = document.querySelectorAll('.menu-bar ul li a:not(#loginButton)');

    buttonsToLock.forEach(button => {
        if (!isLoggedIn) {
            button.style.pointerEvents = 'none'; // Disable clicks
            button.style.opacity = '0.5'; // Make buttons look disabled
        } else {
            button.style.pointerEvents = 'auto'; // Enable clicks
            button.style.opacity = '1'; // Make buttons look enabled
        }
    });
}

// Check for login or logout status on page load
window.onload = function () {
    const loginStatus = getQueryParam('login');
    const logoutStatus = getQueryParam('logout');

    if (loginStatus === 'success') {
        alert('User logged in successfully!');
        localStorage.setItem('loggedIn', 'true'); // Set login status
    }

    if (logoutStatus === 'success') {
        alert('User logged out successfully!');
        localStorage.setItem('loggedIn', 'false'); // Set login status
    }

    updateButtonAccess(); // Update button access based on login status
};
</script>

</head>
<body>
<header>
 <div class="logo">
    <img src="logoL.png" alt="Logo">
 </div>

 <div class="menu-bar">
    <ul>
```

```
        <li class="active"><a href="#">Home</a></li>
        <li><a href="#">Brands</a> <ul class="cat">
           <li><a href="amul.html">Amul </a></li>
           <li><a href="kwality.html"> Kwality Walls</a></li>
           <li><a href="motherdairy.html">Mother Dairy</a></li>
           <li><a href="havmor.html">Havmor</a></li>
           <li><a href="vadilal.html">Vadilal </a></li>
           <li><a href="creambell.html">Cream Bell  </a></li>
        </ul>
        </li>
        <li><a href="#">Category</a>
             <ul class="cat">
              <li><a href="cone.php">Cone</a></li>
              <li><a href="cups.php"> Cup</a></li>
              <li><a href="kulfi.php"> Kulfi</a></li>
              <li><a href="familyPacks.php">Family Pack</a></li>
              <li><a href="partypack.php">Party Pack</a></li>
           </ul>
        </li>
        <li><a href="services.html">Services</a></li>
        <li><a href="contact.html">Contact</a></li>
        <li><a href="login.html" id="loginButton">Login</a>
          <ul class="cat">
           <li><a href="#"  onclick="logout()">LogOut</a></li>
          </ul>
        </li>
    </ul>
 </div>
</header>
 <div class="title">
    <h3>"A Cone Full of Happiness,  <br> A Cup of Pure Joy - Come Taste the Sweetest Moments!"</h3>
 </div>

<div class="slideshow-container">
 <div class="slides-wrapper">
    <div class="slides">
      <img src="images/12.jpg" alt="Image 1">
      <img src="images/3.jpg" alt="Image 2">
      <img src="images/6.jpg" alt="Image 3">
    </div>
 </div>
 <button class="prev" onclick="prevSlide()">&#10094;</button>
 <button class="next" onclick="nextSlide()">&#10095;</button>
 <script src="slide.js"></script>
</div>

 <div class="content">
```

```
   <h1>Indulge in Sweet Bliss</h1>
   <p>Step into a world of creamy delights and irresistible flavors at Frosty Delights!</p>
  <ul>
   <li>Whether you're craving classic vanilla, adventurous salted caramel, or something uniquely exotic like
        mango chili, we've got a scoop for every mood.</li>
   <li>Made with the finest ingredients and a sprinkle of love, our ice creams are crafted to bring joy to every
bite.
   </li>
   <li>Perfect for sunny afternoons, cozy evenings, or celebrating life' s sweetest moments.</li>
   <li>We invite you to explore our menu and discover your new favorite treat.</li>
   <li>Come for the ice cream, stay for the smiles! </li>
  </ul>
  </div>



  <section class="flavours" id="flavours">
   <h1 class="heading">BRANDS</h1>
   <div class="box-container">
      <div class="box">
         <img src="amul.jpg" alt="BungeeJumpingImg">
         <h3>AMUL</h3>
         <p> The Taste of India</p>
         <a href="amul.html" class="btn">explore</a>
      </div>

      <div class="box">
         <img src="kwality.jpg" alt="ZipLinesImg">
         <h3>KWALITY WALLS</h3>
         <p>Sweetening Moments, Spreading Smiles</p>
         <a href="kwality.html" class="btn">explore</a>
      </div>

      <div class="box">
         <img src="havmor.jpg" alt="CanoeingImg">
         <h3>HAVMOR</h3>
         <p>Pure Joy, Perfect Taste</p>
         <a href="havmor.html" class="btn">explore</a>
      </div>

      <div class="box">
         <img src="cream.jpg" alt="CanoeingImg">
         <h3>CREAM BELL</h3>
         <p>Fun in Every Bite</p>
         <a href="creambell.html" class="btn">explore</a>
      </div>
```

```
    <div class="box">
      <img src="mother.jpg" alt="CanoeingImg">
      <h3>MOTHER DAIRY</h3>
      <p>Pure Goodness, Every Day</p>
      <a href="motherdairy.html" class="btn">explore</a>
   </div>
</div>
</section>

<section class="section__container popular__container" id="menu">
<h2 class="section__header">Popular Ice-Cream</h2>
<div class="popular__grid">
  <div class="popular__card">
    <img src="images/popular-1.png" alt="popular" />
    <div class="popular__card__content">
      <h4>Mango Tango Sorbet</h4>
      <h3>Rs.60</h3>
    </div>
  </div>
  <div class="popular__card">
    <img src="images/popular-2.png" alt="popular" />
    <div class="popular__card__content">
      <h4>Chocolate Fudge Delight</h4>
      <h3>Rs.80</h3>
    </div>
  </div>
  <div class="popular__card">
    <img src="images/popular-3.png" alt="popular" />
    <div class="popular__card__content">
      <h4>Strawberry Swirl Bliss</h4>
      <h3>Rs.70</h3>
    </div>
  </div>
</div>
</section>

<section class="section__container discover__container" id="categories">
<h2 class="section__header">Most Selling Ice-Cream</h2>
<p class="section__description">
  Discover our crowd favorites! These ice creams are loved by everyone and
  have become the top picks for their irresistible flavors and creamy
  textures.
</p>
<div class="discover__grid">
  <div class="discover__card">
    <img src="images/discover-1.jpg" alt="discover" />
    <div class="discover__card__content">
```

```
    <h4>Double Chocolate Crunch</h4>
    <p class="section__description">
      Dive into a chocolate lover's paradise with our Double Chocolate
      Crunch.<br> This rich and creamy ice cream is made with premium cocoa
      and blended with crunchy chocolate <br>chunks to deliver a perfect
      balance of smoothness and texture.
    </p>
    <h3>
      Rs.90 <span><s></s></span>
    </h3>
    <div class="discover__card__btn">
    </div>
  </div>
</div>
<div class="discover__card">
  <img src="images/discover-2.jpg" position="left" alt="discover" />
  <div class="discover__card__content">
    <h4>Strawberry Cheesecake Bliss</h4>
    <p class="section__description">
      Experience the perfect harmony of fruity and creamy with our
      Strawberry Cheesecake Bliss. <br>Every spoonful feels like enjoying a
      slice of fresh strawberry cheesecake, making it an irresistible
      dessert.
    </p>
    <h3>
      Rs.120 <span><s></s></span>
    </h3>
    <div class="discover__card__btn">
    </div>
  </div>
</div>
<div class="discover__card">
  <img src="images/discover-3.jpg" alt="discover" />
  <div class="discover__card__content">
    <h4>Classic Cookies and Cream</h4>
    <p class="section__description">
      Savor the timeless charm of our Classic Cookies and Cream ice
      cream. <br>Made with velvety smooth vanilla ice cream, it is
      generously packed with chunks of chocolate cookies to create a
      delightful crunch in every bite.
    </p>
    <h3>
      Rs.150 <span><s></s></span>
    </h3>
    <div class="discover__card__btn">
    </div>
  </div>
```

```
  </div>
</div>
</section>



<section class="about-us" id="about-us">
<div class="container">
   <h2 class="section-title">About Us</h2>
   <div class="about-content">
      <div class="about-text">
         <h3>Welcome to Our Ice Cream World!</h3>
         <p>
            We are passionate about creating the finest ice cream experiences for our customers.
            With a rich history of crafting delicious flavors, we bring joy to every scoop.
            Our mission is to deliver high-quality, handcrafted ice cream made from the freshest ingredients.
         </p>
         <p>
            Whether you're craving a classic cone or an exotic flavor, we've got something for everyone.
            Come and explore our world of sweetness!
         </p>
         <a href="#" class="btn">Learn More</a>
      </div>
      <div class="about-image">
         <img src="imgg.jpg" alt="About Us Image">
      </div>
   </div>
</div>
</section>

<section class="footer">
<div class="box-container">
   <div class="box1">
      <h3>Quick Links</h3>
      <a href="#home">Home</a>
      <a href="#">flavours</a>
      <a href="admin.html">Admin</a>
   </div>

   <div class="box1">
      <h3>Extra Links</h3>
      <a href="contact.html">Ask Questions</a>
      <a href="#">Terms of Use</a>
      <a href="#">Privacy Policy</a>
   </div>
```

```
    <div class="box1">
      <h3>Contact Info</h3>
      <a href="tel:+919373610780"><i class="fas fa-phone"></i> +91 9373610780</a>
      <a href="realomkard.15@gmail.com"><i class="fas fa-envelope"></i> realomkard.15@gmail.com
       </a>
      <a href="#"><i class="fas fa-map"></i> chiplun, India - 415722</a>
    </div>

    <div class="box1">
      <h3>Follow Us</h3>
      <a href="https://www.facebook.com/omkardhuri"><i class="fab fa-facebook-f"></i> Facebook</a>
      <a href="https://www.instagram.com/vhs.omkar_"><i class="fab fa-instagram"></i> Instagram</a>
      <a href="https://www.linkedin.com/in/Omkar Dhuri/"><i class="fab fa-linkedin"></i> LinkedIn</a>
      <a href="https://github.com/Maggies-art2204"><i class="fab fa-github"></i> GitHub</a>
    </div>
</div>
<div class="credit">Created by <span>Omkar Dhuri</span> | All rights reserved!</div>
 </section>

<script>
// JavaScript for popular
document.addEventListener("DOMContentLoaded", () => {
  const popularSection = document.querySelector(".popular__container");

  const observer = new IntersectionObserver(
    (entries) => {
      entries.forEach((entry) => {
        if (entry.isIntersecting) {
          entry.target.classList.add("animate"); // Add the animate class
          observer.unobserve(entry.target); // Stop observing after animation
        }
      });
    },
    {
      threshold: 0.5, // Trigger when 50% of the section is visible
    }
  );

  if (popularSection) {
    observer.observe(popularSection); // Start observing the section
  }
});
</script>

<script>
// JavaScript for selling
document.addEventListener("DOMContentLoaded", () => {
```

```
  const discoverSection = document.querySelector(".discover__container");

  const observer = new IntersectionObserver(
    (entries) => {
      entries.forEach((entry) => {
        if (entry.isIntersecting) {
          entry.target.classList.add("animate"); // Add the animate class
          observer.unobserve(entry.target); // Stop observing after animation
        }
      });
    },
    {
      threshold: 0.5, // Trigger when 50% of the section is visible
    }
  );

  if (discoverSection) {
    observer.observe(discoverSection); // Start observing the section
  }
});
</script>
</body>
</html>
```

Hardware/Software Requirement

HARDWARE REQUIREMENT

- **PROCESSOR** : Intel Core i5
- **RAM** : 4 GB & Above
- **HARD DISCSPACE** : 40 GB & Above.
- **PRINTER** : Inkjet/Laser Printer
- **MONITOR** : Color

SOFTWARE REQUIREMENT:

- **OPERATINGSYSTEM** : Windows 7/8/10/11
- **FRONT END** : html,Css,JavaScript
- **BACKEND** : php,MySQL

Web Reference :

- www.youtube.com
- https://chatgpt.com
- https://freepik.com
- https://www.wikipedia.org

FUTURE ENHANCEMENT

Here are some potential future enhancements for an Ice-Cream Parlor Management System Website to improve functionality, user experience, and business efficiency:

1. AI & Personalization Features
- AI-Based Flavor Recommendations – Suggest flavors based on customer preferences, weather, or past orders.
- Personalized Offers & Discounts – Use customer purchase history to provide tailored promotions.
- Chatbot for Customer Support – AI-powered chatbot to handle FAQs, order tracking, and complaints.

2. Advanced Inventory & Supply Chain Management
-IoT-Based Smart Freezers – Monitor temperature, stock levels, and send alerts for restocking.
-Automated Supplier Integration – Auto-order ingredients when stock is low.
- Waste Reduction Analytics – Track unsold inventory to optimize production.

3. Social & Community Engagement
- User-Generated Content (UGC) Integration – Allow customers to share photos/reviews on social media.
- Virtual Ice-Cream Making Workshops– Host online events for customer engagement.
- Monthly Flavor Voting – Let customers vote on new flavors.

4. Sustainability & Eco-Friendly Features
- Carbon Footprint Tracker – Show environmental impact per order.
- Eco-Packaging Options – Offer biodegradable containers and utensils.
-Donation for Climate Causes – Option to round up bills for sustainability donations.

5. Multi-Channel Integration
- WhatsApp/Telegram Ordering – Allow orders via messaging apps.
-Smart Fridge Partnerships – Enable ice-cream vending machines in offices/malls.
- Integration with Food Aggregators – Seamless Uber Eats, Zomato, etc., sync.

6. Security & Compliance
- Biometric Login – Fingerprint/Face ID for secure access.
- Blockchain for Transactions – Secure and transparent payment logs.
- GDPR/CCPA Compliance – Ensure data privacy regulations are met.

7. Virtual & Metaverse Expansion
- Virtual Ice-Cream Parlor in Metaverse – Sell digital ice-cream as NFTs.
- VR Ice-Cream Tasting – Allow customers to "taste" flavors virtually before ordering.