

CS450/550: Database Concepts

Course Project Report #4

Ice Cream Factory

Team #8

Sridivya Majeti (01184044), Sanjana Bolla (01210054), Pavani Goli (01204436)

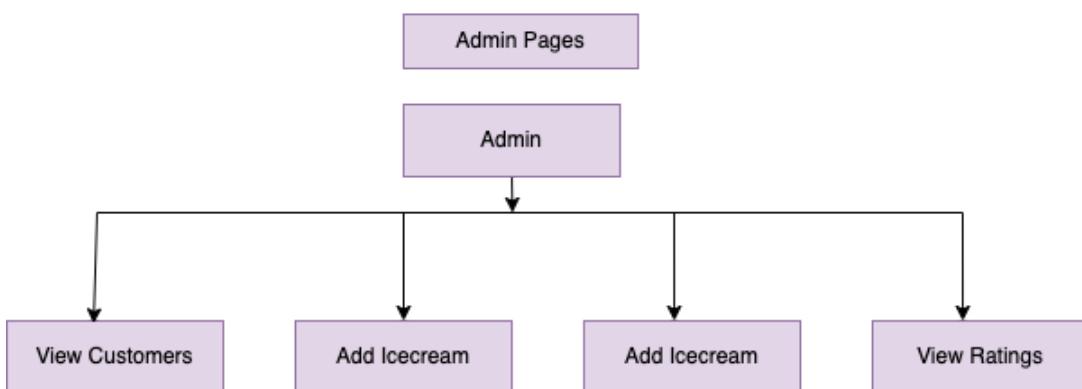
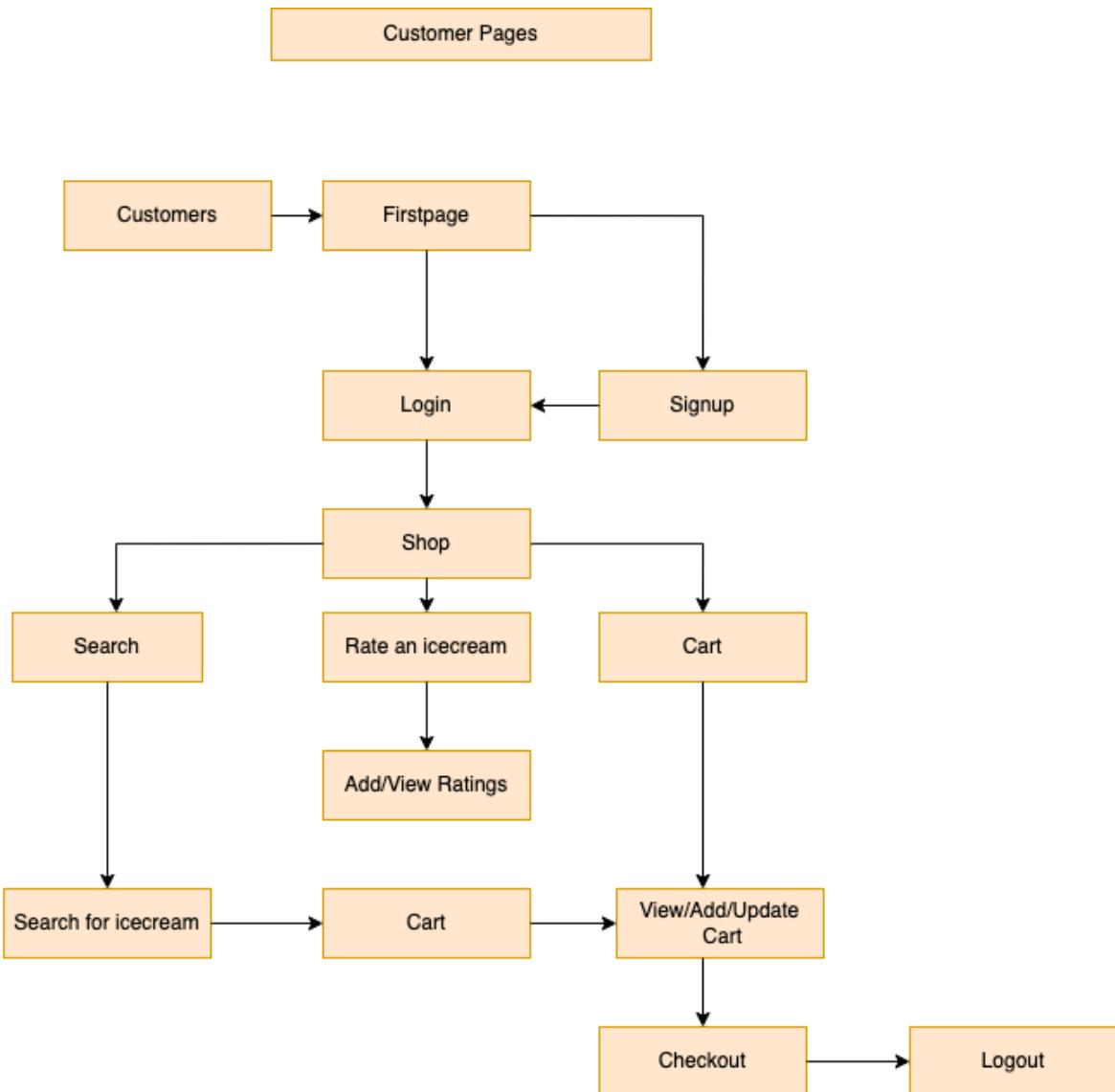
Project Summary (5 points)

This is a web application to order ice cream to your doorstep from the “Ice-cream Factory” chain of stores or place an order prior to your arrival at the store such that it reduces the waiting time at the store. The steps involve signing up and logging in, selecting an ice cream of your choice from the menu displayed or searching for an ice cream using our search page and finally checkout which redirects you to the payment where you enter your billing information. The customers are also allowed to rate the ice creams which will in turn be displayed as an average rating for each ice cream in the menu page. Our potential users will be people who have sweet tooth and are inclined towards ice cream. We offer services like registering an account with our website, providing menu and information about the store apart from collecting feedback and ratings from our customers.

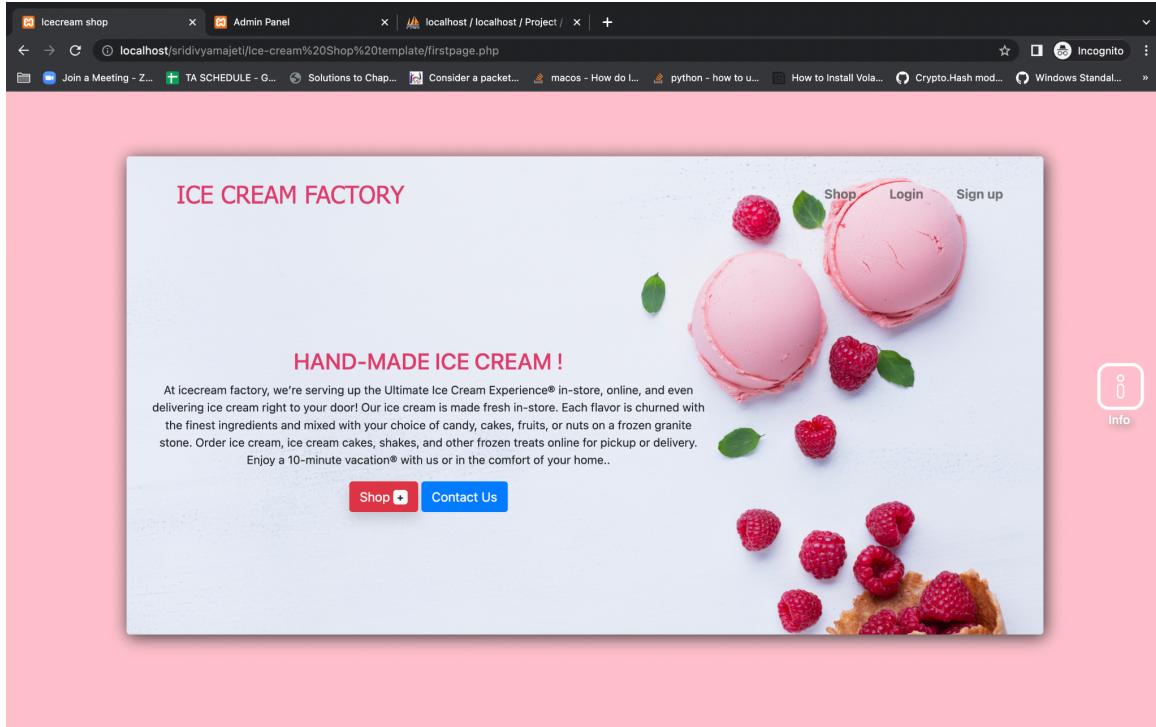
Data (10 points)

We have retrieved ice cream names and descriptions from websites like Haagen Dazs and Cold Stone and compiled the MENU table, which consists of 6 records. The MENU table has the name of the ice cream, its description that contains its ingredients and the price of the ice cream. We have also added pictures of the ice creams in the MENU table. The CUSTOMER table consists of customer information collected by storing the details entered by the customer when they sign up in the website. The rating table consists of all the ratings associated with each ice cream, which are identified separately using the IcecreamID. The rating table also consists of the comments that the customer leaves for the ice cream. The cart table temporarily stores the ice cream information and the quantity, prior to the checkout, that the user wishes to order. Once the order is placed the data in the CART table will be truncated. The payment table that includes the customer billing information – Address, Phone number, Email-ID, Card information, payment method, etc.

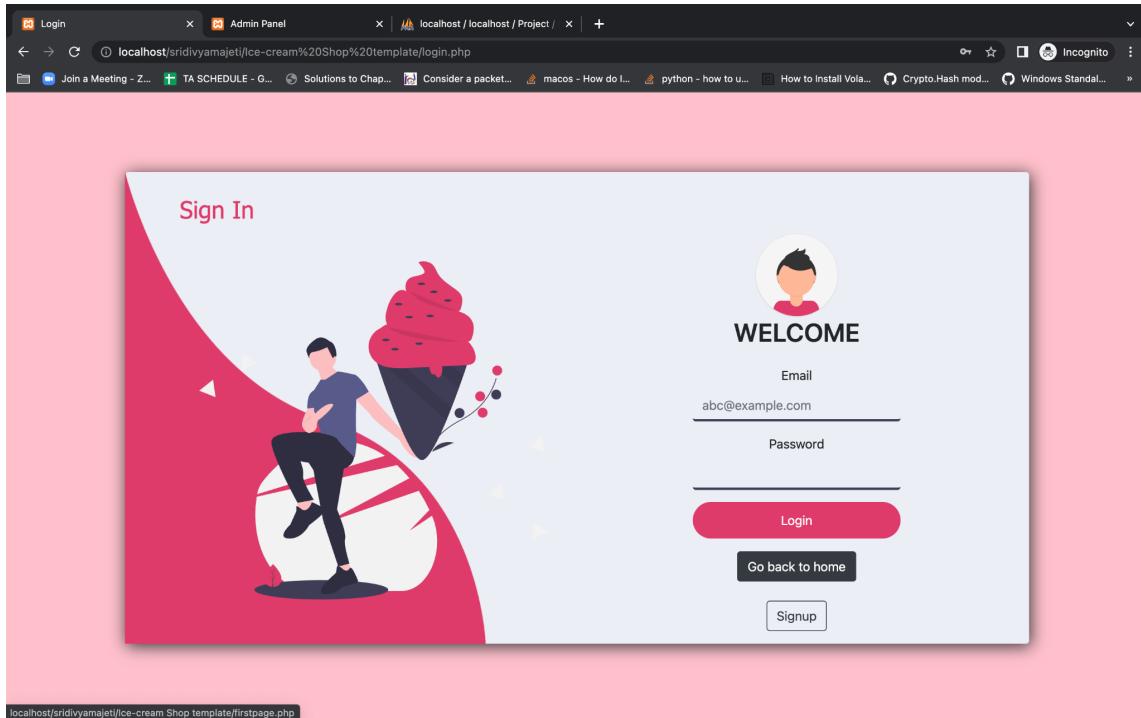
Frontend Layout (10 points)



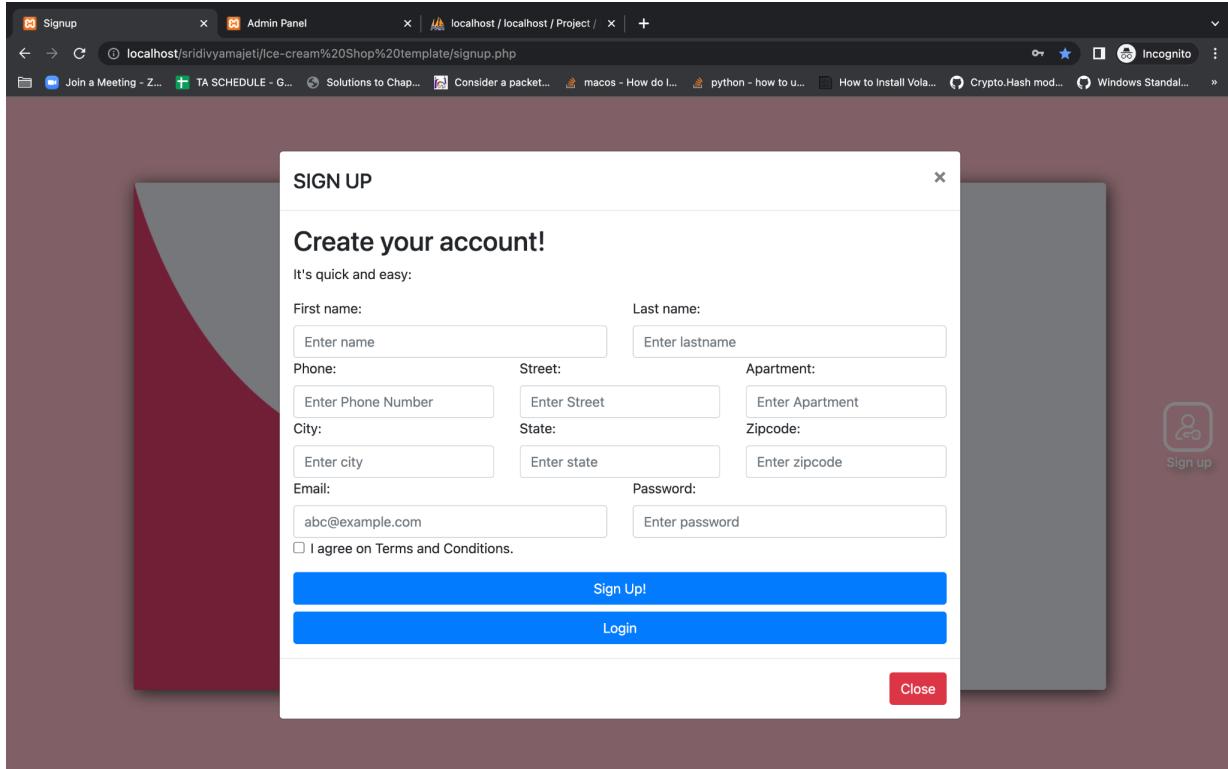
Firstpage.php



Login.php



Signup.php



Shop.php

The screenshot shows a web page titled "Icecream Factory" with a navigation bar including "Search For An Icecream", "Rate An Icecream", "Cart 0", and "Logout". The main content area is titled "LATEST ICECREAMS" and displays five icecream items in cards:

- Butter Pecan**
Butter Pecan Ice Cream Is Smooth Vanilla Ice Cream With A Slight Buttery Flavor, With Pecans Added.
\$15
Average Rating : 3.00
Add To Cart
- Strawberry Cheesecake**
Strawberry Cheesecake Ice Cream With A Creamy Cheesecake Ice Cream Base, And A Sweet Strawberry Sauce.
\$8
Average Rating : 5.00
Add To Cart
- Chocolate Devotion**
It's Like An Island Of Chocolate, In A Sea Of Chocolate, Under A Chocolate Sky. Times, Like, A Thousand.
\$12
Average Rating : 5.00
Add To Cart
- Cheesecake Fantasy**
Cheesecake Ice Cream With Graham Cracker Pie Crust, Blueberries And Strawberries.
\$19
Average Rating : 5.00
Add To Cart
- Oreo Overload**
Oreo Overload Comes Complete With Timeless Sweet Cream Ice Cream, Chocolate Chips.
\$15
Average Rating : 2.00
Add To Cart

Below these cards, there is another card for "Seasalt Caramel" with similar details.

Cart.php

The screenshot shows a web browser window with three tabs: "Shopping Cart", "Admin Panel", and "localhost / localhost / Project /". The main content area is titled "Icecream Factory" and features a navigation bar with links for "Search For An Icecream", "Rate An Icecream", "Checkout", and "Logout". Below this is a section titled "SHOPPING CART" with a table.

Image	Name	Price	Quantity	Total Price	Action
	Strawberry Cheesecake	\$8	<input type="text" value="1"/>	<button>Update</button>	<button>Remove</button>
	Butter Pecan	\$15	<input type="text" value="1"/>	<button>Update</button>	<button>Remove</button>

Rating.php

The screenshot shows a web browser window with three tabs: "Checkout", "Admin Panel", and "localhost / localhost / Project /". The main content area is titled "Icecream Factory" and features a navigation bar with links for "View Ratings" and "Logout". Below this is a section titled "RATE AN ICECREAM" with the sub-instruction "IT'S QUICK AND EASY:".

Form fields visible:

- Your Comment: It's too good!
- Icecream Name: Butter Pecan
- Rating Score: 5

Buttons:

- Submit
- Go Back To Home

Seeratings.php

The screenshot shows a web browser window with three tabs: "Icecream shop", "Admin Panel", and "localhost / localhost / Project /". The current page is "localhost/sridivyamajeti/ice-cream%20Shop%20template/seeratings.php". The page contains a table with the following data:

Rating ID	Customer Name	Icecream Name	Comment	Rating Score
1	Sridivya	Chocolate Devotion	Yummy	5
2	Sridivya	Strawberry Cheesecake	Delicious	5
3	Sridivya	Butter Pecan	Yummy	3
4	Pavani	Oreo Overload	Good.	2
5	Pavani	Butter Pecan	I Like It.	3
6	Sridivya	Butter Pecan	I Love It.	5

[Go Back To Home](#)

Checkout.php

The screenshot shows a web browser window with three tabs: "Checkout", "Admin Panel", and "localhost / localhost / Project /". The current page is "localhost/sridivyamajeti/ice-cream%20Shop%20template/checkout.php". The page title is "Icecream Factory" and there is a "Logout" link. The main content is titled "COMPLETE YOUR ORDER" and includes the following information:

Strawberry Cheesecake(1)
Butter Pecan(1)

Grand Total : \$23

Your Name: Sridivya Lastname: Majeti

Your Number: 7573396308 Your Email: smaje003@odu.edu

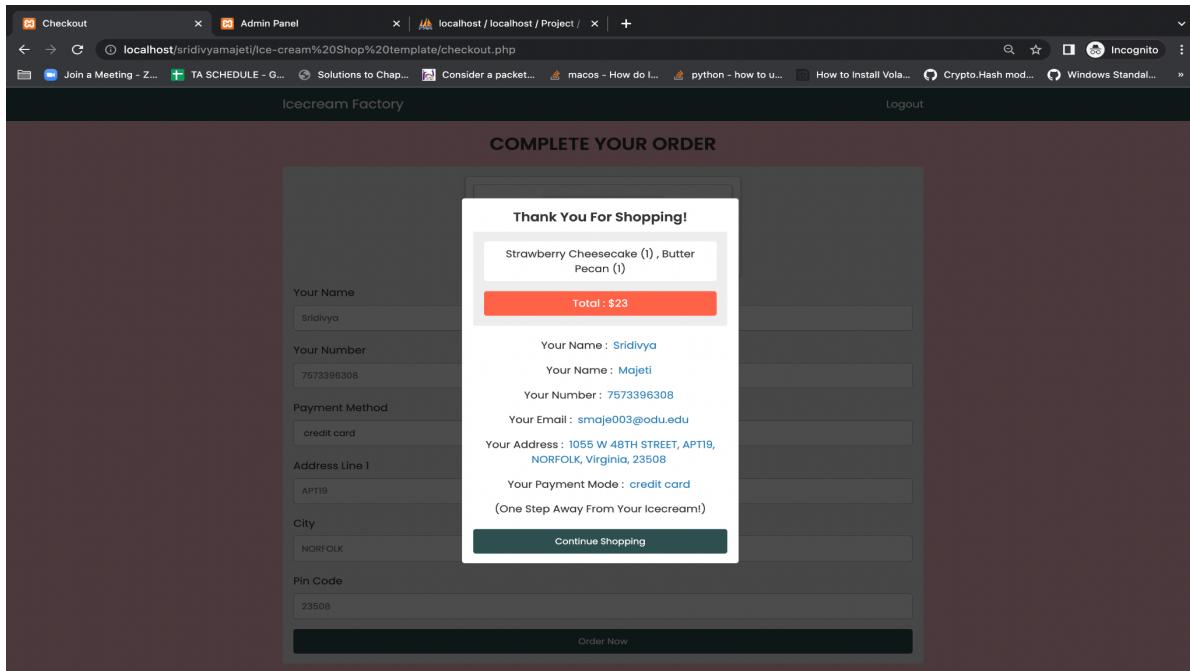
Payment Method: credit card Card Number: 12345678910

Address Line 1: APT19 Address Line 2: 1055

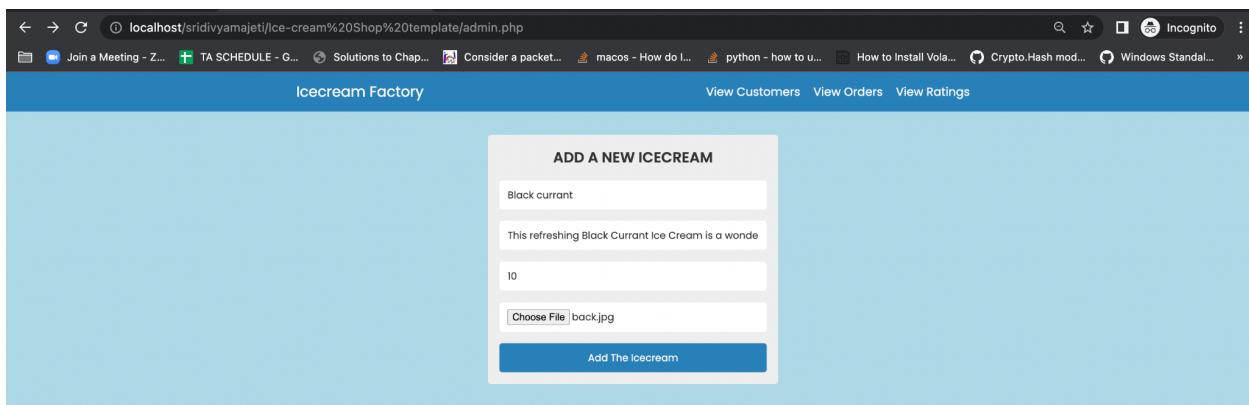
City: NORFOLK State: Virginia

Pin Code: 23508

[Order Now](#)



Admin.php



Icecream Factory					View Customers	View Orders	View Ratings
	Strawberry Cheesecake	Strawberry Cheesecake Ice Cream With A Creamy Cheesecake Ice Cream Base, And A Sweet Strawberry Sauce.	\$8	Delete	Update		
	Chocolate Devotion	It's Like An Island Of Chocolate, In A Sea Of Chocolate, Under A Chocolate Sky. Times, like, A Thousand.	\$12	Delete	Update		
	Cheesecake Fantasy	Cheesecake Ice Cream With Graham Cracker Pie Crust, Blueberries And Strawberries.	\$19	Delete	Update		
	Oreo Overload	Oreo Overload Comes Complete With Timeless Sweet Cream Ice Cream, Chocolate Chips.	\$15	Delete	Update		
	Seasalt Caramel	Our Sea Salt Caramel Ice Cream Starts With Our Original Velvety Smooth Sweet Cream Ice Cream And Salted Caramel.	\$15	Delete	Update		
	Black Currant	This Refreshing Black Currant Ice Cream Is A Wonderful Treat Not Only In Summer. This Version Is Made Without Refined Sugar And Can Be Made With Fresh Or Frozen Berries.	\$10	Delete	Update		

Viewcustomers.php

Customer ID	FirstName	LastName	Phone	EmailID	Action
1	Sridivya	Majeti	7573396308	Sridivyamajeti22@Gmail.Com	Delete
2	Sridivya	Majeti	7573396308	Smajeo03@Odu.Edu	Delete
3	Sanjana	Bolla	7573396308	Sboll003@Odu.Edu	Delete
4	SridivyaMajeti	Majeti	7573396308	Sridivyacool19@Gmail.Com	Delete
5	Pavani	Goli	8043190206	Pgoli001@Odu.Edu	Delete
6	Manish Kumar	Paladhi	7573396308	Manish.Paladhi@Gmail.Com	Delete
7	Sridivya	Majeti	7573396308	Divya@Gmail.Com	Delete

[Go Back To Home](#)

Viewratings.php

Rating ID	Customer ID	Icecream ID	Comment	Rating Score	Action
1	2	3	Yummy	5	<button>Delete</button>
2	2	2	Delicious	5	<button>Delete</button>
3	2	1	Yummy	3	<button>Delete</button>
4	5	5	Good.	2	<button>Delete</button>
5	5	1	I Like It.	3	<button>Delete</button>
6	2	1	I Love It.	5	<button>Delete</button>

[Go Back To Home](#)

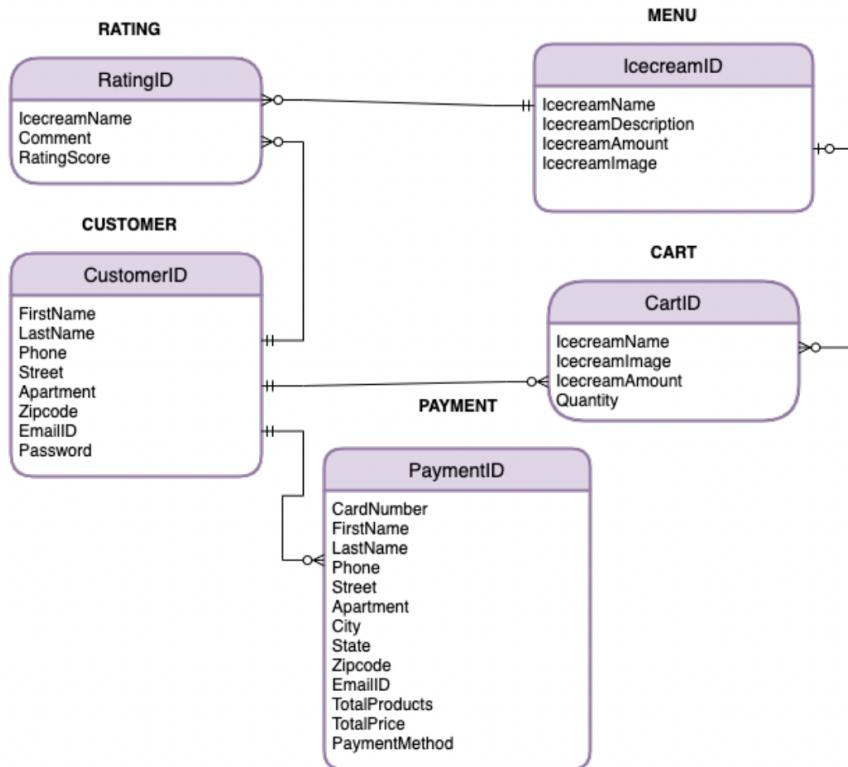
Vieworders.php

Customer ID	Total Products	Total Price	Payment Method	Action
3	Butter Pecan (1) , Cheesecake Fantasy (1)	34	Credit Card	<button>Delete</button>
2	Chocolate Devotion (1) , Cheesecake Fantasy (1)	31	Credit Card	<button>Delete</button>
2	Strawberry Cheesecake (1) , Chocolate Devotion (1)	20	Credit Card	<button>Delete</button>
2	Strawberry Cheesecake (1) , Chocolate Devotion (1)	20	Credit Card	<button>Delete</button>
2	Strawberry Cheesecake (1) , Butter Pecan (1)	23	Credit Card	<button>Delete</button>

[Go Back To Home](#)

Backend: Data Modeling (20 points)

1. E-R Diagrams



RATING and MENU:

The relation between RATING and MENU is “rating”.

CUSTOMER and RATING:

The relation between CUSTOMER and RATING is “feedback”.

CUSTOMER and CART:

The relation between CUSTOMER and CART is “add to cart”.

CUSTOMER and PAYMENT:

The relation between CUSTOMER and PAYMENT is “billing”.

MENU AND CART:

The relation between MENU and CART is “selection”.

2. Database Design (10 points)

CUSTOMER(CustomerID, FirstName, LastName, Phone, Street, Apartment, City, State, Zipcode, EmailID, Password)

CUSTOMER

Attribute	Data Type	Key	Required	Remarks
CustomerID	Int	Primary key	Yes	Surrogate key: Initial value = 1
FirstName	Varchar(100)		Yes	
LastName	Varchar(100)		Yes	
Phone	Varchar(100)		Yes	Format: ###-###-####
Street	Varchar(100)		Yes	
Apartment	Varchar(100)		Yes	
City	Varchar(100)		Yes	
State	Varchar(100)		Yes	
Zipcode	Int		Yes	
EmailID	Varchar(100)		Yes	
Password	Varchar(100)		Yes	

CUSTOMER table example:

Cust ome rID	FirstN ame	LastN ame	Phone	Street	Apart ment	City	State	Zipco de	EmailID	Passwor d
1	Sridiv ya	Majeti	75760 58653	1055 West	Apt 19	Nor folk	Virgi nia	23508	smaje@g mail.com	dc647eb 655e671 1e55368
2	Pavan i	Goli	75763 26745	1049 West	Apt 310	Nor folk	Virgi nia	23508	pgoli@g mail.com	5fdcc3b 5aa765d 61d832e

MENU(IcecreamID, IcecreamName, IcecreamDescription, IcecreamAmount, IcecreamImage)

MENU

Attribute	Data Type	Key	Required	Remarks
IcecreamID	Int	Primary key	Yes	Surrogate key: Initial value = 1
IcecreamName	Varchar(255)		Yes	
IcecreamDescription	Varchar(255)		Yes	
IcecreamAmount	float		Yes	
IcecreamImage	Varchar(512)		Yes	

MENU table example:

IcecreamID	IcecreamName	IcecreamDescription	IcecreamAmount	IcecreamImage
1	Butter Pecan	Butter pecan ice cream is a smooth vanilla ice cream with pecans.	15	butter.jpg
2	Strawberry Cheesecake	Strawberry cheesecake ice cream with a creamy cheesecake and strawberries	8	icecream.jpg

RATING(RatingID, Comment, RatingScore, *IcecreamID*, *CustomerID*, *IcecreamName*)

RATING

Attribute	Data type	Key	Required	Remarks
RatingID	Int	Primary Key	Yes	Surrogate key:Initial value = 1
Comment	VarChar(255)		No	
RatingScore	Int		Yes	
IcecreamID	Int	Foreign Key	Yes	Reference: MENU
CustomerID	Int	Foreign Key	Yes	Reference: CUSTOMER
IcecreamName	Varchar(255)		Yes	

RATING table example:

RatingID	Comment	RatingScore	IcecreamID	CustomerID	IcecreamName
1	Yummy	5	1	1	Butter Pecan
2	Good	4	2	2	Strawberry Cheesecake

CART(CartID, *IcecreamID*, *CustomerID*, *IcecreamName*, *IcecreamImage*, *IcecreamAmount*, *Quantity*)

CART

Attribute	Data Type	Key	Required	Remarks
CartID	Int	Primary key	Yes	Surrogate key: Initial value = 1

IcecreamID	Int	Foreign Key	Yes	Reference: MENU
CustomerID	Int	Foreign Key	Yes	Reference: CUSTOMER
IcecreamName	Varchar(255)		Yes	
IcecreamImage	Varchar(512)		Yes	
IcecreamAmount	float		Yes	
Quantity	Int		Yes	

CART table example:

CartID	IcecreamID	CustomerID	IcecreamName	Icecream Image	Icecream Amount	Quantity
2	1	1	Butter Pecan	butter.jpg	15	1

PAYMENT(PaymentID, *CustomerID*, FirstName, LastName, Phone, Street, Apartment, City, State, Zipcode, EmailID, TotalProducts, TotalPrice, PaymentMethod, CardNumber)

PAYMENT

Attribute	Data Type	Key	Required	Remarks
PaymentID	Int	Primary key	Yes	Surrogate key: Initial value = 1
CustomerID	Int	Foreign Key	Yes	Reference: CUSTOMER
FirstName	Varchar(100)		Yes	
LastName	Varchar(100)		Yes	

Phone	Varchar(100)		Yes	Format: ###-###-####
Street	Varchar(100)		Yes	
Apartment	Varchar(100)		Yes	
City	Varchar(100)		Yes	
State	Varchar(100)		Yes	
Zipcode	Int		Yes	
EmailID	Varchar(100)		Yes	
TotalProducts	Varchar(255)		Yes	
TotalPrice	Varchar(255)		Yes	
PaymentMethod	Int		Yes	
CardNumber	bigint		No	

PAYMENT table example:

PaymentID	CUSTOMERID	First Name	Last Name	Phone	Street	Apartment	City	State	Zipcode	EmailID	TotalProducts	TotalPrice	Payment Method	CardNumber
1	1	Srid ivya	Maj eti	75 76 05 86 53	1055 West	Apt 19	Nor folk	Virg inia	2 3 5 0 8	sma je@ gma il.co m	Butter Pecan(1), Cheesecake Fantasy (1)	3 4	Credit card	324 534 345 535

2	2	Pavani	Goli	75 76 32 67 45	1049 West	Apt 310	Norfolk	Virgina	23508	pgoli@gmail.com	Chocolate Devotion (1), Cheesecake Fantasy (1)	31	Credit card	634 457 245 265
---	---	--------	------	----------------------------	-----------	---------	---------	---------	-------	-----------------	--	----	-------------	--------------------------

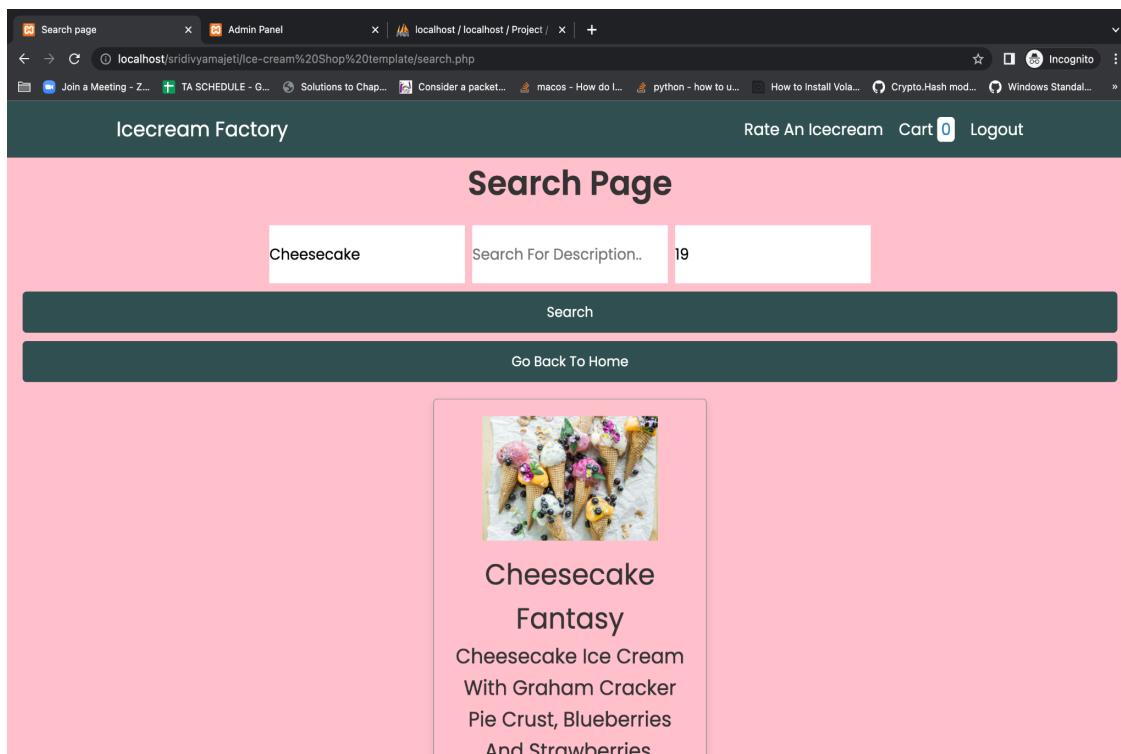
Functions (25 points)

- Function 1: search ice creams by names or description or amount

Script: *search.php*

SQL query: SELECT * FROM MENU WHERE IcecreamName LIKE '%{\$search_item1}%' AND IcecreamName LIKE '%{\$search_item2}%' AND IcecreamAmount LIKE '%{\$search_item3}%';

Examples: searching 'Cheesecake', '19' returns 1 result, as shown in the below screenshot.

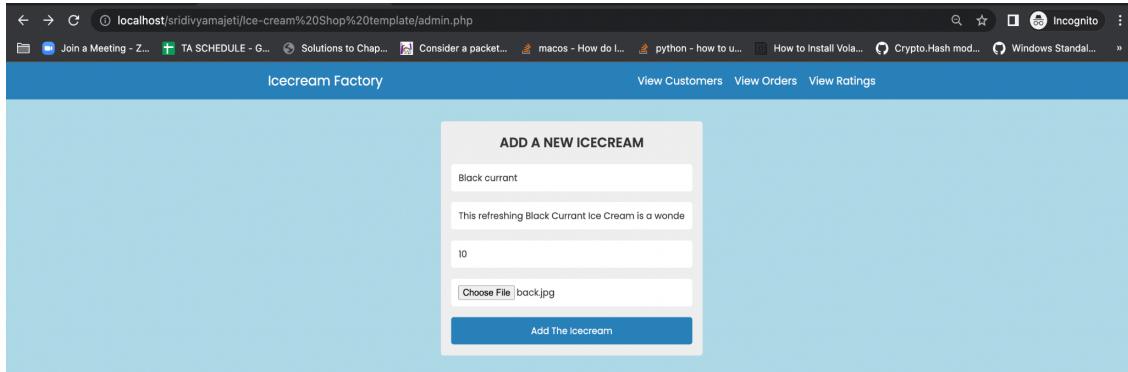


2. Function 2: Add a new ice cream in the MENU by the Admin

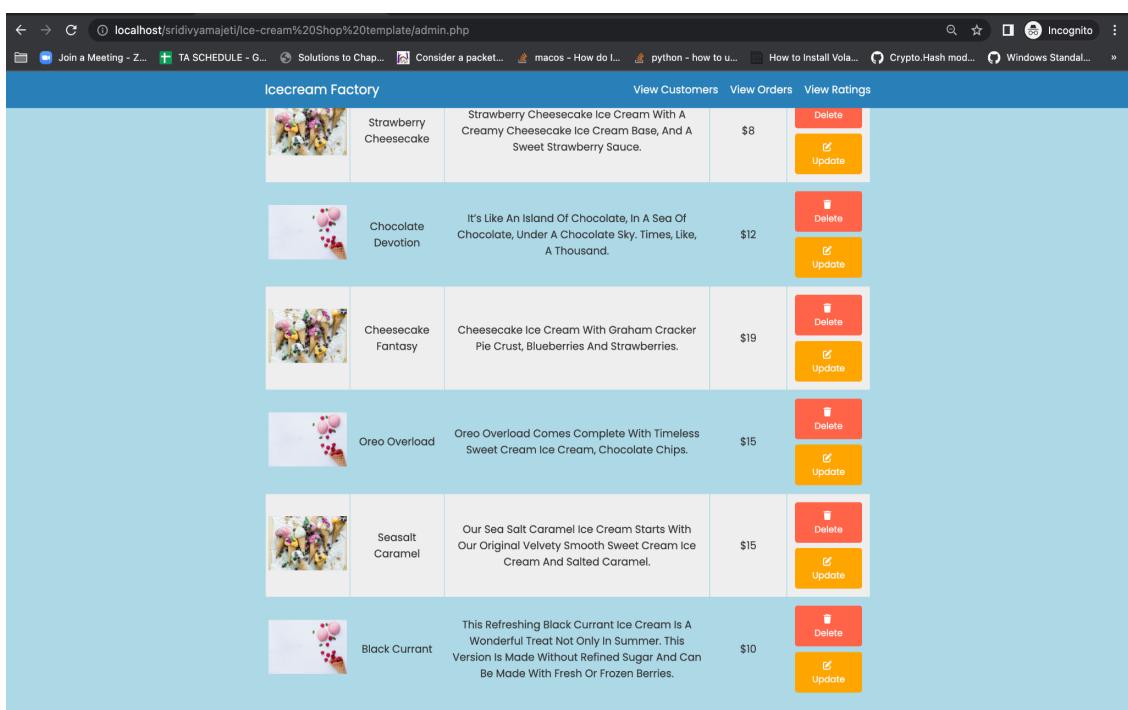
Script: *admin.php*

SQL Query: `INSERT INTO MENU (IcecreamName, IcecreamDescription, IcecreamAmount, IcecreamImage) VALUES ('$iname', '$idesc', $iprice, '$image');`

Examples: inserting a new ice cream “Black current” results in.



The screenshot shows the 'Icecream Factory' admin interface. A modal window titled 'ADD A NEW ICECREAM' is open, prompting for the name 'Black current', a description 'This refreshing Black Currant Ice Cream is a wond...', an amount '10', and a file upload 'Choose File' (selected file: back.jpg). A blue button at the bottom right of the modal says 'Add The Icecream'.



The screenshot shows the 'Icecream Factory' admin interface displaying a list of six ice creams. Each item has a thumbnail image, the name, a brief description, the price (\$), and two action buttons: 'Delete' (red) and 'Update' (orange).

Image	Name	Description	Price (\$)	Action	Action
	Strawberry Cheesecake	Strawberry Cheesecake Ice Cream With A Creamy Cheesecake Ice Cream Base, And A Sweet Strawberry Sauce.	\$8	Delete	Update
	Chocolate Devotion	It's Like An Island Of Chocolate, In A Sea Of Chocolate, Under A Chocolate Sky. Times, Like, A Thousand.	\$12	Delete	Update
	Cheesecake Fantasy	Cheesecake Ice Cream With Graham Cracker Pie Crust, Blueberries And Strawberries.	\$19	Delete	Update
	Oreo Overload	Oreo Overload Comes Complete With Timeless Sweet Cream Ice Cream, Chocolate Chips.	\$15	Delete	Update
	Seasalt Caramel	Our Sea Salt Caramel Ice Cream Starts With Our Original Velvety Smooth Sweet Cream Ice Cream And Salted Caramel.	\$15	Delete	Update
	Black Current	This Refreshing Black Currant Ice Cream Is A Wonderful Treat Not Only In Summer. This Version Is Made Without Refined Sugar And Can Be Made With Fresh Or Frozen Berries.	\$10	Delete	Update

3. Function 3: Customers can leave a comment and rating for an ice cream

Script: *rating.php*

SQL Query: `INSERT INTO $userTable VALUES (NULL, '$comment', $ratingscore, $icecreamid, $cust_id, '$icecreamname');`

Example: inserting a comment and a rating for the ice cream “Butter Pecan” by the customer results in.

The screenshot shows a web browser window titled "Admin Panel" with the URL "localhost/localhost/Project/rating.php". The page header includes "Icecream Factory", "View Ratings", and "Logout". The main content area is titled "RATE AN ICECREAM" with the sub-instruction "IT'S QUICK AND EASY:". It contains a form with three input fields: "Your Comment" (containing "It's too good"), "Icecream Name:" (set to "Butter Pecan"), and a "Rating Score" dropdown menu set to "5". Below the form is a "Submit" button and a "Go Back To Home" link.

4. Function 4: Display of average rating of the ice cream

Script: shop.php

SQL Query: SELECT AVG(RatingScore) AS RATINGS FROM RATING WHERE IcecreamName = '\$icecreamname' GROUP BY '\$icecreamid');

Examples: After the customer rates an ice cream, the average rating of the ice cream Butter Pecan by all the customers is updated and displayed in the menu page as shown in the screenshot below .

The screenshot shows a web browser window titled "Icecream Factory" with the URL "localhost/localhost/Project/shop.php". The page header includes "Search For An Icecream", "Rate An Icecream", "Cart 0", and "Logout". The main content area is titled "LATEST ICECREAMS" and displays five ice cream items in cards:

- Butter Pecan**: Butter Pecan Ice Cream Is Smooth Vanilla Ice Cream With A Slight Buttery Flavor, With Pecans Added. \$15. Average Rating : 3.00. Add To Cart.
- Strawberry Cheesecake**: Strawberry Cheesecake Ice Cream With A Creamy Cheesecake Ice Cream Base, And A Sweet Strawberry Sauce. \$8. Average Rating : 5.00. Add To Cart.
- Chocolate Devotion**: It's Like An Island Of Chocolate, In A Sea Of Chocolate, Under A Chocolate Sky, Times, Like, A Thousand. \$12. Average Rating : 5.00. Add To Cart.
- Cheesecake Fantasy**: Cheesecake Ice Cream With Graham Cracker Pie Crust, Blueberries And Strawberries. \$19. Average Rating : 5.00. Add To Cart.
- Oreo Overload**: Oreo Overload Comes Complete With Timeless Sweet Cream Ice Cream, Chocolate Chips. \$15. Average Rating : 2.00. Add To Cart.

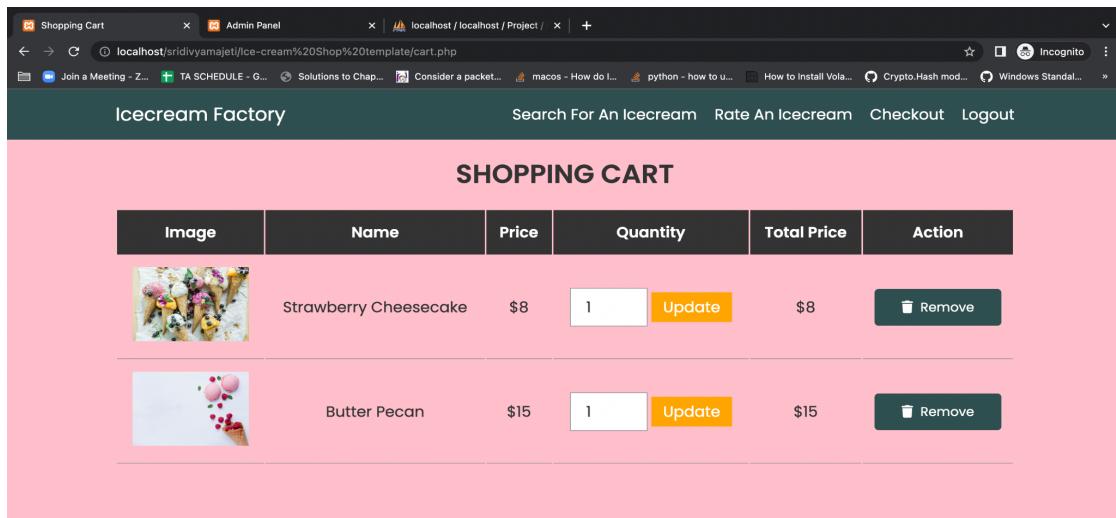
Below these, there is another card for **Seasalt Caramel**.

5. Function 5: Update the cart

Script: *cart.php*

SQL Query: UPDATE CART SET Quantity = '\$update_value' WHERE IcecreamID = '\$update_id';

Examples: The customer can update the cart by increasing the quantity of the ice cream in the cart as shown below.



The screenshot shows a web browser window with three tabs: "Shopping Cart", "Admin Panel", and "localhost / localhost / Project /". The main content area is titled "Icecream Factory" and "SHOPPING CART". A table lists two items:

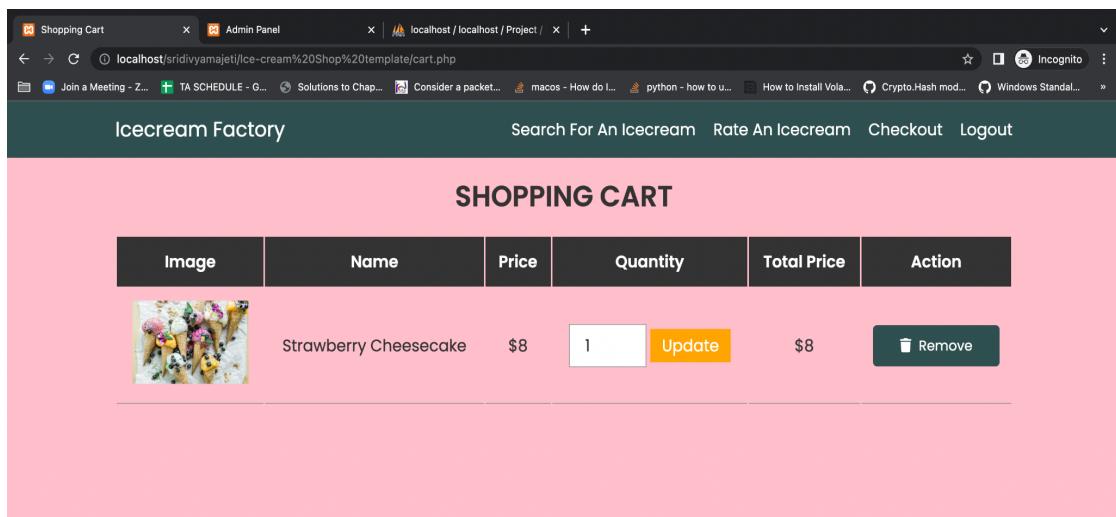
Image	Name	Price	Quantity	Total Price	Action
	Strawberry Cheesecake	\$8	<input type="text" value="1"/>	<button>Update</button>	<button>Remove</button>
	Butter Pecan	\$15	<input type="text" value="1"/>	<button>Update</button>	<button>Remove</button>

6. Function 6: Delete the ice cream from the cart

Script: *cart.php*

SQL Query: DELETE FROM CART WHERE IcecreamID = \$remove_id;

Examples: The customer can delete the ice cream from the cart using the delete option in the cart as shown below.



The screenshot shows a web browser window with three tabs: "Shopping Cart", "Admin Panel", and "localhost / localhost / Project /". The main content area is titled "Icecream Factory" and "SHOPPING CART". A table lists one item:

Image	Name	Price	Quantity	Total Price	Action
	Strawberry Cheesecake	\$8	<input type="text" value="1"/>	<button>Update</button>	<button>Remove</button>

7. Function 7: Delete an ice cream from the MENU

Script: admin.php

SQL Query: DELETE FROM MENU WHERE IcecreamID = \$delete_id;

Examples: The admin can delete an ice cream from the MENU using the delete option in the admin page as shown below.

The screenshot shows a web browser window titled "Admin Panel" with the URL "localhost/sridivyamajeti/ice-cream%20Shop%20template/admin.php". The main content area is titled "Icecream Factory" and displays a list of five ice cream items with their details and "Delete" and "Update" buttons. A modal window titled "localhost says" is overlaid on the page, asking "are you sure you want to delete this?". The modal has "Cancel" and "OK" buttons. The items listed are:

Image	Name	Description	Price	Action Buttons
	Strawberry Cheesecake	Sweet strawberry sauce.	\$8	Delete Update
	Chocolate Devotion	It's Like An Island Of Chocolate, In A Sea Of Chocolate, Under A Chocolate Sky. Times, Like, A Thousand.	\$12	Delete Update
	Cheesecake Fantasy	Cheesecake Ice Cream With Graham Cracker Pie Crust, Blueberries And Strawberries.	\$19	Delete Update
	Oreo Overload	Oreo Overload Comes Complete With Timeless Sweet Cream Ice Cream, Chocolate Chips.	\$15	Delete Update
	Seasalt Caramel	Our Sea Salt Caramel Ice Cream Starts With Our Original Velvety Smooth Sweet Cream Ice Cream And Salted Caramel.	\$15	Delete Update
	Black Currant	This Refreshing Black Currant Ice Cream Is A Wonderful Treat Not Only In Summer. This Version Is Made Without Refined Sugar And Can Be Made With Fresh Or Frozen Berries.	\$10	Delete Update

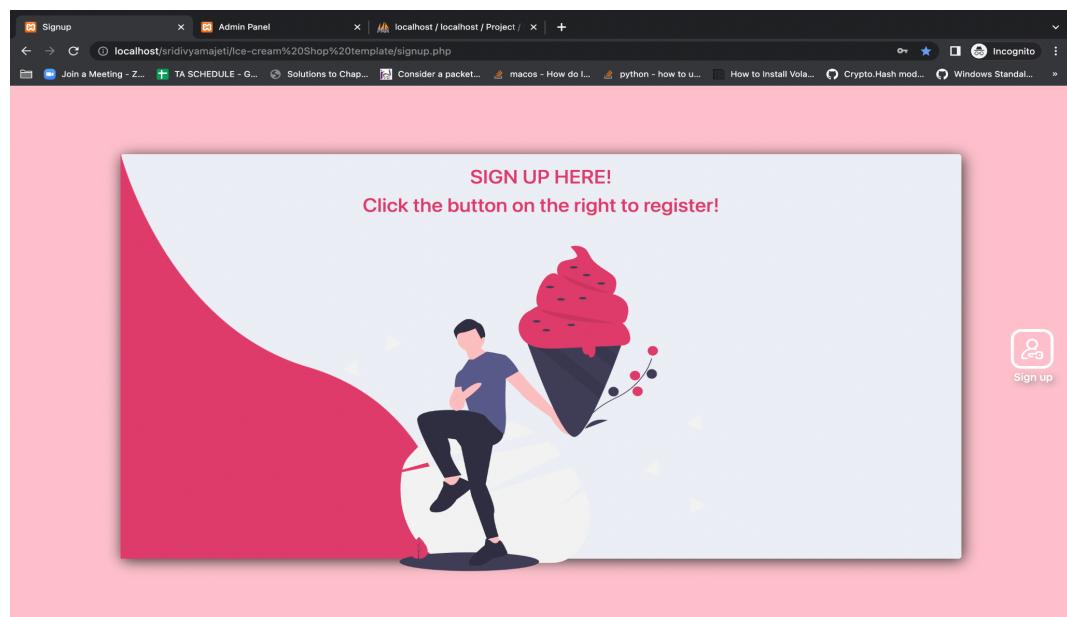
Icecream Factory						
				View Customers	View Orders	View Ratings
	Butter Pecan	Butter Pecan Ice Cream Is Smooth Vanilla Ice Cream With A Slight Butterly Flavor, With Pecans Added.	\$15	 Delete	 Update	
	Strawberry Cheesecake	Strawberry Cheesecake Ice Cream With A Creamy Cheesecake Ice Cream Base, And A Sweet Strawberry Sauce.	\$8	 Delete	 Update	
	Chocolate Devotion	It's Like An Island Of Chocolate, In A Sea Of Chocolate, Under A Chocolate Sky. Times, Like, A Thousand.	\$12	 Delete	 Update	
	Cheesecake Fantasy	Cheesecake Ice Cream With Graham Cracker Pie Crust, Blueberries And Strawberries.	\$19	 Delete	 Update	
	Oreo Overload	Oreo Overload Comes Complete With Timeless Sweet Cream Ice Cream, Chocolate Chips.	\$15	 Delete	 Update	
	Seasalt Caramel	Our Sea Salt Caramel Ice Cream Starts With Our Original Velvety Smooth Sweet Cream Ice Cream And Salted Caramel.	\$15	 Delete	 Update	

8. Function 8: Create an account

Script: *signup.php*

SQL Query: `INSERT INTO $userTable VALUES (NULL, '$firstname', '$lastname', '$phone', '$street', '$apartment', '$city', '$state', $zipcode, '$ps');`

Examples: *The customer can sign up using their details in the website in order to place an order in the ice cream factory store.*

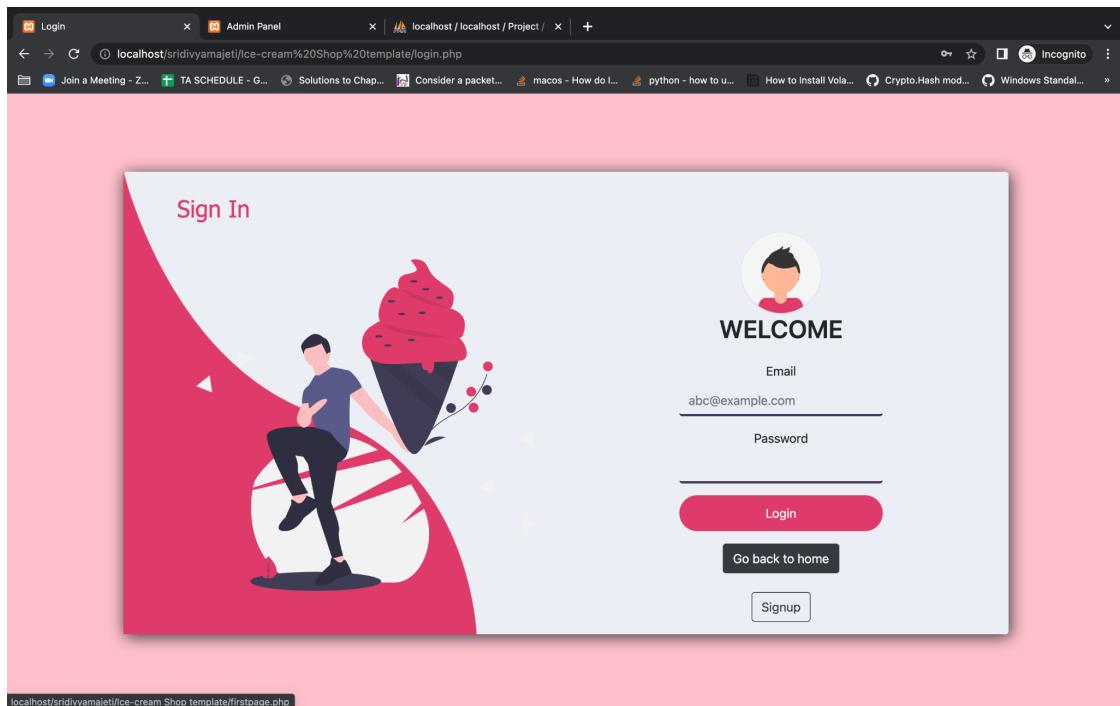


9. Function 9: Login using email id and password

Script: *login.php*

SQL Query: SELECT CustomerID FROM CUSTOMER WHERE EmailID = '\$loginUserId';

Examples: The customer can login to the website using the email id and password that they have used to sign up in the website as shown below .



Individual Contribution (15)

1. Pavani Goli proposed the project summary.
2. Pavani Goli proposed the Menu and Rating Table.
3. Sanjana Bolla proposed the Customer Table.
4. Sridivya Majeti proposed the Payment and Cart Table.
5. Sanjana Bolla proposed the E-R diagram.
6. Sridivya Majeti drew the E-R diagram on www.draw.io
7. Pavani Goli proposed the cardinalities for the E-R diagram.
8. Sridivya Majeti proposed the search functionality, login and signup for the application.
9. Rating functionality, Admin-adding and deleting the menu was proposed by Pavani Goli
10. Average rating function, deleting/updating the cart by customer was proposed by Sanjana Bolla.

11. Pavani goli composed the summary,data,backend data modeling
12. Sridivya Majeti composed the front-end layout,E-R diagram.
13. Sanjana Bolla composed the functions.
14. Pavani goli designed both backend and frontend for firstpage ,login,signup pages
15. Sanjana Bolla designed both frontend and backend for customer pages like cart,shop.
16. Sridivya majeti designed the frontend and backend for the admin,rating,checkout pages.
17. Sanjana Bolla proof reads the final draft of this report.
18. Sridivya Majeti submits the project report.

Group Activity Log

Date and Time	Place	Activity	Attendance
2/01/2022 12:00 – 1:00 PM	Webb Center	Initially, 3 of us proposed 3 topics namely Shopping cart,Train ticket reservation and ice cream factory.After brainstorming on the topics,all of us decided on Icecream Factory based on the prospective datasets.	All team members
2/10/2022 1:00 – 2:00 PM	Webb center	We discussed and finalized the customer, menu, order and payment tables. Identified primary keys, noted down where we need to use foreign keys.	All team members

04/08/2022 11:00 – 12:00 PM	Home	Discussed about what to turn in.	all team members
04/10/2022 1:00 – 4:30 PM	Webb Center	Redesigned the ER diagram and defined the relations, added verbs to the relations.	all team members
04/11/2022 10:00 -1:00PM	Office	Database Design and wrote the create and insert sql files.	all team members
04/11/2022 3:00 - 8:00 PM	Home	Composed the queries/functions. Took the screenshots of the working queries.	all team members
04/11/2022 10:00 -1:00PM	Office	Worked on the Database design, created the tables and inserted values in the MENU table.	all team members
04/11/2022 3:00 - 8:00 PM	Home	Composed the queries/functions. Took the screenshots of the working queries.	all team members
04/18/2022 2:00 - 6:00 PM	Webb Center	We met and worked on the .php pages mentioned in the report.	all team members
04/22/2022 3:00 - 6:00 PM	Webb Center	We discussed the errors that occurred while running the php pages.	all team members
04/25/2022 2:00 - 7:00 PM	Home	Decided on what screenshots to take for the report and compiled the presentation	all team members

