

A project report on

# **“Coffee Shop Website”**

## **“Dallas Coffee Shop”**

submitted in fulfillment of requirements for  
CS6314-002 Web Programming Languages, Spring 2020

*By-*

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## **Project Description**

Dallas Coffee House are shops situated in the cities of Dallas, Plano and Richardson who have been serving great coffee to the locals. The shop is known for its desserts, snacks and drinks. The website allows the user to order any items based on his/her liking either by going through the list or by using the search and filter functionality implemented on the menu. The items selected will be added to the cart where the user can further edit the quantities or remove those items from the cart. The website also takes care that the quantities do not exceed the amount available in the inventory for which an appropriate prompt will be given to the user. Once the user checks out the final order, the order will be placed and added to the database. The user can view his transaction in the order history page for future reference.

The website also provides a unique access to the admin to control the inventory and the menu page. The admin can add new items into the menu page and also add images to be displayed on the menu page. Also, the admin has the access to update the name, description, price of the item, quantity and the image of the item in the menu page accordingly. Furthermore, if the admin doesn't want an item to be present in the menu, he/she can remove the item from the page by soft delete functionality. This way the admin has complete access over the items displayed on the pages.

# Database Design

## User

The user table contains not only the information of the user but also of the admin. The table holds the unique user id assigned for each user as well as the admin, email address, hashed password, full name of the individual, date of birth and address of the individual as well as an attribute to distinguish the users and the admin tuple.

## Menu

The menu page is responsible for holding all the information about the items displayed in the menu page. The menu table contains the unique item id assigned to each item, type, name and description of that item, the quantity and price of that item and whether the item is soft deleted or not.

## Cart

The cart ensures that whatever item the user chooses in the menu is stored and assigned to that user and can be checked out after final payment. The cart binds the user id with the item id of the items which have been added to the cart. After the user performs checkout, those items will no longer be available in the cart table.

## Transaction

The main job of the transaction table is to keep track of every purchase made by the user before. It holds information like unique transaction id, the user id associated with that transaction, date and time of the order and the total price incurred from that transaction.

## Order\_items

This table binds each and every transaction id with the associated items purchased in that transaction.

All the tables mentioned are in 3NF form. The SQL file of the following database has been added to the project folder. The screenshots of the database table schema's and values are as follows:



←

Server: 127.0.0.1 » Database: dallas\_coffee\_house » Table: menu

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operatic

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	item_id	varchar(5)	utf8mb4_general_ci	No	None			Change  Drop  More
<input type="checkbox"/>	2	type	text	utf8mb4_general_ci	No				Change  Drop  More
<input type="checkbox"/>	3	name	text	utf8mb4_general_ci	No				Change  Drop  More
<input type="checkbox"/>	4	description	varchar(100)	utf8mb4_general_ci	No	None			Change  Drop  More
<input type="checkbox"/>	5	quantity	int(50)		No	None			Change  Drop  More
<input type="checkbox"/>	6	price	int(100)		No	None			Change  Drop  More
<input type="checkbox"/>	7	deleted	tinyint(1)		No	0			Change  Drop  More

+ Options

←

T

→

▼

item\_id ▲ 1

		type	name	description	quantity	price	deleted	
<input type="checkbox"/>	Edit  Copy  Delete	001	drinks	Assam tea	Only the finest tea leaves from Assam give you the...	13	15	0
<input type="checkbox"/>	Edit  Copy  Delete	002	desserts	Rasgulla Sundae	Scoops of vanilla ice cream blending with rich Ras...	9	20	0
<input type="checkbox"/>	Edit  Copy  Delete	003	snacks	Chicken Biryani	Took all the time to better a Afghani touch.	14	20	1
<input type="checkbox"/>	Edit  Copy  Delete	004	drinks	Aztec Coffee	Espresso with imported coffee beans with foamed mi...	8	12	0
<input type="checkbox"/>	Edit  Copy  Delete	005	drinks	Ethiopian Coffee	Espresso brewed imported coffee beans and foamed m...	15	15	0
<input type="checkbox"/>	Edit  Copy  Delete	006	drinks	Cafe Americano	American Classic coffee	16	12	0
<input type="checkbox"/>	Edit  Copy  Delete	007	desserts	Black Forest Cake	Black forest cake with a sinful layer of rich choc...	15	20	0
<input type="checkbox"/>	Edit  Copy  Delete	008	snacks	Chicken Cheese Burger	Juicy chicken patty between soft oatmeal buns with...	12	15	0
<input type="checkbox"/>	Edit  Copy  Delete	009	snacks	Chicken Classic Burger	Juicy chicken patty stuffed between soft oatmeal b...	10	15	0
<input type="checkbox"/>	Edit  Copy  Delete	010	drinks	Café Frappe	Rich Creamy cold coffee.	19	12	0
<input type="checkbox"/>	Edit  Copy  Delete	011	drinks	Café Latte	A light coffee accompanied by a shot of Espresso a...	17	15	0
<input type="checkbox"/>	Edit  Copy  Delete	012	drinks	Café Mocha	Espresso with chocolate and steamed milk.	17	12	0
<input type="checkbox"/>	Edit  Copy  Delete	013	desserts	Black Forrest Cake	Smothered with whipped cream and topped off with j...	11	20	0
<input type="checkbox"/>	Edit  Copy  Delete	014	drinks	Classic Cappuccino	Espresso topped and steamed with foamed milk.	19	10	0
<input type="checkbox"/>	Edit  Copy  Delete	015	snacks	Chicken Spicy Burger	Juicy chicken patty stuffed between soft oatmeal b...	14	15	0
<input type="checkbox"/>	Edit  Copy  Delete	016	drinks	Vanilla Cappuccino	Cappuccino enhanced with the delicate and subtle e...	20	12	0
<input type="checkbox"/>	Edit  Copy  Delete	017	desserts	Crackling Brownie	This is a dummy description!!! really didnt want t...	15	15	0
<input type="checkbox"/>	Edit  Copy  Delete	018	drinks	Classic Lemonade	A lemonade with mint and ginger that make for the ...	20	12	0
<input type="checkbox"/>	Edit  Copy  Delete	019	drinks	Cold Cocoa Latte	Creamy ice cold chocolate milkshake.	20	14	0

← Server: 127.0.0.1 » Database: dallas\_coffee\_house » Table: cart

⌄ Browse

📊 Structure

📄 SQL

🔍 Search

🔧 Insert

📤 Export

📥 Import

🔑 Privileges

🔧 Operati

📊 Table structure

🔗 Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	<b>user_id</b> 🔑	int(100)		No	None			Change  Drop  More
<input type="checkbox"/>	2	<b>item_id</b> 🔑	varchar(100) utf8mb4_general_ci		No	None			Change  Drop  More

user\_id item\_id

Server: 127.0.0.1 » Database: dallas\_coffee\_house » Table: transaction

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[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	<b>trans_id</b>	varchar(50)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/> 2	<b>user_id</b>	int(100)			No	None			Change  Drop  More
<input type="checkbox"/> 3	<b>date_of_order</b>	date			No	None			Change  Drop  More
<input type="checkbox"/> 4	<b>time_of_order</b>	varchar(30)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/> 5	<b>total_price</b>	float			No	None			Change  Drop  More

+ Options

			trans_id	user_id	date_of_order	time_of_order	total_price
<input type="checkbox"/>	Edit  Copy  Delete		1588989999	2	2020-05-09	04:06 am	96.75
<input type="checkbox"/>	Edit  Copy  Delete		1589002804	2	2020-05-09	07:40 am	36.25
<input type="checkbox"/>	Edit  Copy  Delete		1589004871	2	2020-05-09	08:14 am	32.95
<input type="checkbox"/>	Edit  Copy  Delete		1589005480	2	2020-05-09	08:24 am	19.75
<input type="checkbox"/>	Edit  Copy  Delete		1589005686	2	2020-05-09	01:28 am	19.75
<input type="checkbox"/>	Edit  Copy  Delete		1589008821	5	2020-05-09	02:20 am	69.25
<input type="checkbox"/>	Edit  Copy  Delete		1589010106	2	2020-05-09	02:41 am	36.25
<input type="checkbox"/>	Edit  Copy  Delete		1589013310	9	2020-05-09	03:35 am	78.05

← Server: 127.0.0.1 » Database: dallas\_coffee\_house » Table: order\_items

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#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	<b>trans_id</b>	varchar(50)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/> 2	<b>item_id</b>	varchar(100)	utf8mb4_general_ci		No	None			Change  Drop  More

+ Options

trans_id	item_id
1588989999	001
1588989999	008
1588989999	008
1588989999	002
1588989999	002
1589002804	072
1589002804	073
1589002804	072
1589004871	001
1589004871	004
1589005480	001
1589005686	001
1589008821	013
1589008821	013




## Languages/Frameworks Used

We have used the following languages/frameworks for implementing this project:

- HTML
- CSS
- JavaScript
- jQuery
- PHP
- MySQL
- Bootstrap
- Material Design

# Screenshots of Main Functionalities

## Login page



**Dallas House**      **Home**

**E-mail**

**Password**

Don't have an account?

## Registration page

**First Name**

**Last Name**

**E-Mail**

**Password**

**Confirm Password**

**Date of Birth:**

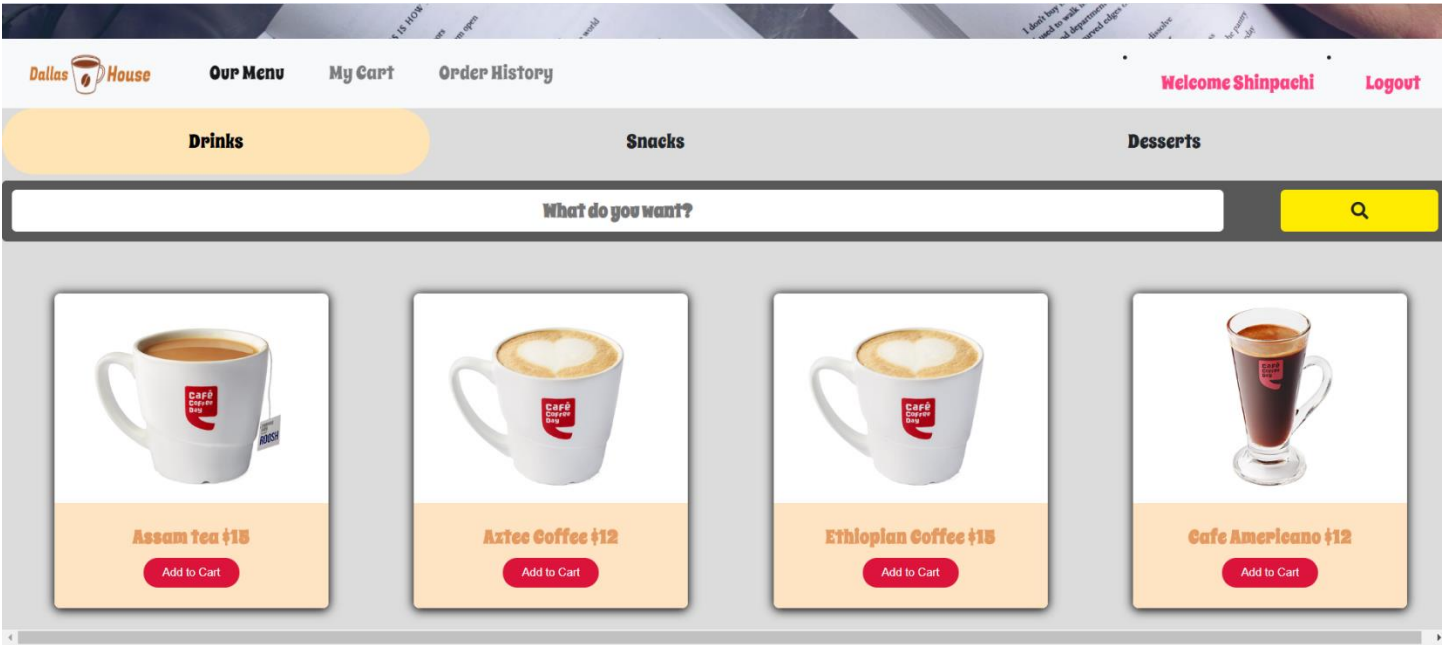
**Street Address:**

**City:**

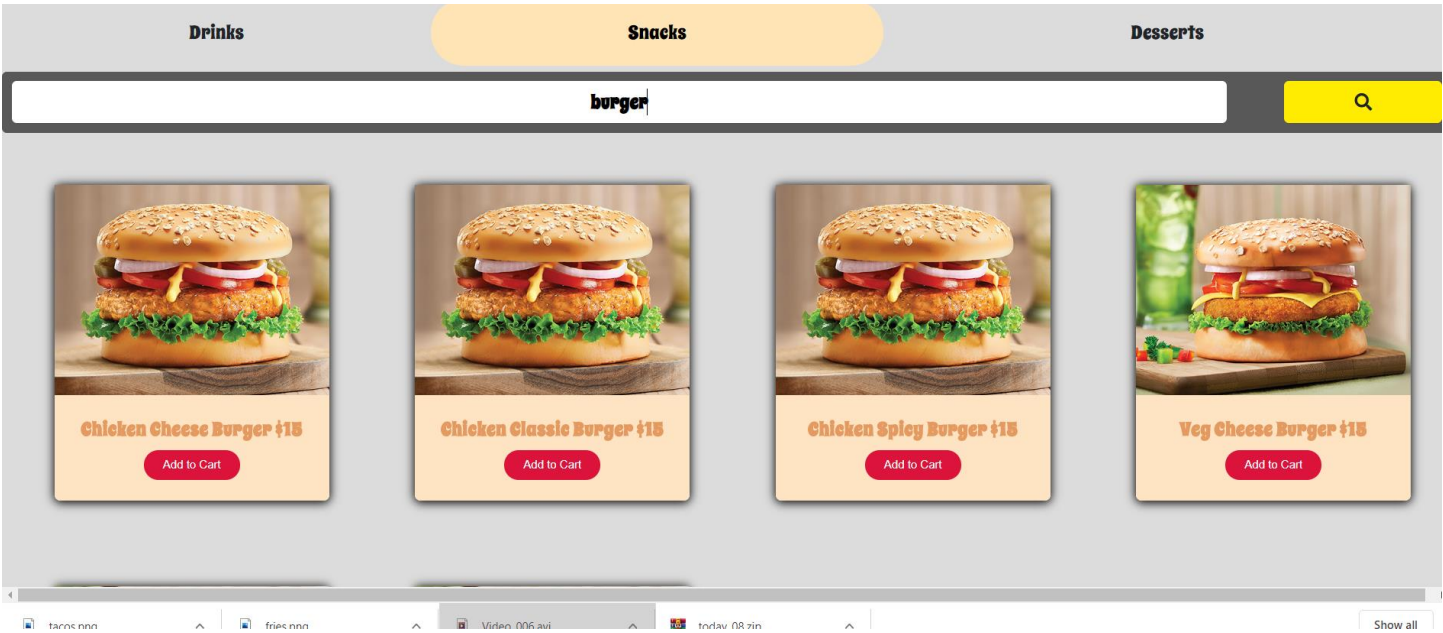
Dallas ▼

**Zip Code:**

# Menu page




# Search and Filter



# Cart page

## Cart Items:




Chicken Classic Burger

\$ 15

+ 1 -

Remove



Chicken Spicy Burger

\$ 15

+ 1 -

Remove

Checkout

Subtotal

\$30

Service Fees

\$3.25

Estimated Tax

\$3

Total

\$36.25

Checkout

# Transaction page

## Order history

Transaction id	Date_of_order	Time of order	Total Price
1588989999	2020-05-09	04:06 am	\$ 96.75
1589002804	2020-05-09	07:40 am	\$ 36.25
1589004871	2020-05-09	08:14 am	\$ 32.95
1589005480	2020-05-09	08:24 am	\$ 19.75
1589005686	2020-05-09	01:28 am	\$ 19.75
1589010106	2020-05-09	02:41 am	\$ 36.25

# Admin page

Dallas House

Add to InventoryDelete from InventoryUpdate Inventory

Welcome AdminLogout


Drinks

Snacks

Desserts


What do you want?

Q




Assam Tea \$15

Item ID: 001




Aztec Coffee \$12

Item ID: 004



Ethiopian Coffee \$15

Item ID: 005



Cafe Americano \$12

Item ID: 006

# Add functionality

Dallas House

Add to InventoryDelete from InventoryUpdate Inventory

Logout

Enter Item ID:

Select Item Category:

Drinks

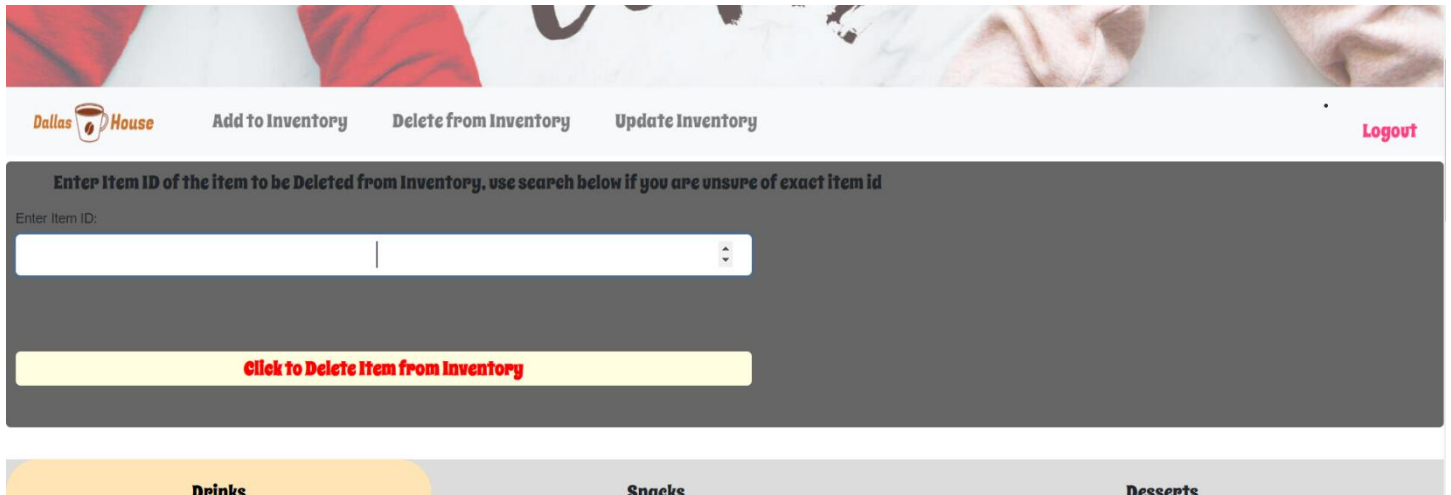
Enter Item Name:

Enter Item Description:

Enter Item Quantity:

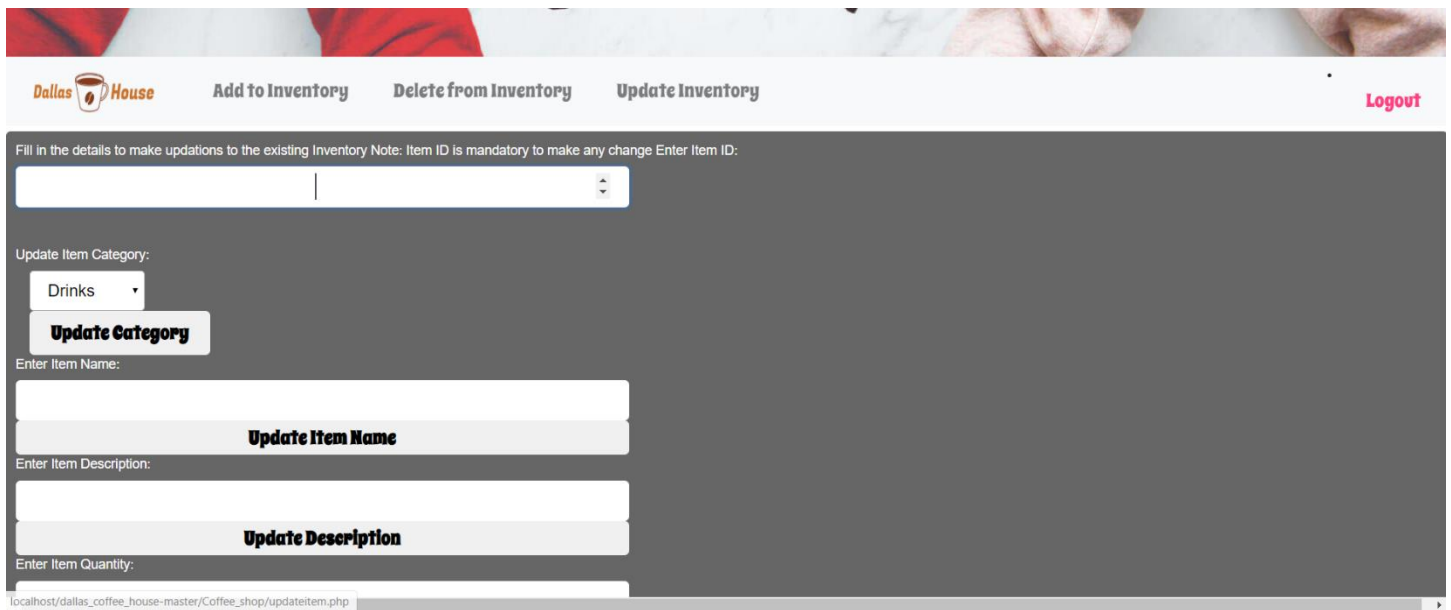
Enter Price:

## Delete functionality



The screenshot shows the 'Delete from Inventory' page of the 'Dallas Coffee House' application. The header includes the logo and navigation links: 'Add to Inventory', 'Delete from Inventory', 'Update Inventory', and a 'Logout' button. The main content area has a dark grey background with a text instruction: 'Enter Item ID of the item to be Deleted from Inventory, use search below if you are unsure of exact item id'. Below this is a text input field for 'Enter Item ID:' and a yellow button labeled 'Click to Delete Item from Inventory'. At the bottom, there is a horizontal navigation bar with three tabs: 'Drinks' (highlighted in orange), 'Snacks', and 'Desserts'.

## Update functionality



The screenshot shows the 'Update Inventory' page of the 'Dallas Coffee House' application. The header is identical to the previous page. The main content area has a dark grey background with a text instruction: 'Fill in the details to make updations to the existing Inventory Note: Item ID is mandatory to make any change Enter Item ID:'. Below this is a text input field for 'Enter Item ID:'. Underneath is the 'Update Item Category:' section, which includes a dropdown menu currently showing 'Drinks' and a button labeled 'Update Category'. This is followed by the 'Enter Item Name:' section with a text input field and a button labeled 'Update Item Name'. Next is the 'Enter Item Description:' section with a text input field and a button labeled 'Update Description'. Finally, there is the 'Enter Item Quantity:' section with a text input field. At the bottom left, a browser address bar shows the URL 'localhost/dallas\_coffee\_house-master/Coffee\_shop/updateitem.php'.

## **Work Division**

**Lakshmeesha Shetty (LSS180005)**

### **Pages worked on:**

- **cart.css**
- **footer.css**
- **index.css**
- **menu.css**
- **menu.js**
- **mycart.js**
- **addtocart.php**
- **checkout.php**
- **connect.php**
- **menu\_list.php**
- **mycart.php**
- **quantityedit.php**
- **cart.php**
- **index.html**
- **menu.php**
- **login.php**

### **Work Responsibilities:**

- **Creating the core index page along with navigation and skeleton of the webpage.**
- **Implementing parallax and sliding images on the pages for better visual effect.**
- **Implementing the cards feature to display each menu item on the page with add to cart option.**
- **Implementing the search and filter based on category and search text added by the user.**
- **Applying pagination for displaying the results on each page.**
- **Making divs that will be generated containing the item information present in the cart**
- **Implementing the remove item button on the cart.**
- **Implementing and ensuring the quantity edit working of the cart page and the consistency of the database by writing appropriate code for the backend for each addition and subtraction of item respectively.**
- **Creating the checkout tab which would dynamically generate the appropriate amount of the order including the service tax and sales tax of the order.**
- **Implementing prompt for every order placed, if any item is ordered beyond the availability in the inventory and for every add to cart.**
- **Implementing the image upload for both add to inventory and update inventory in admin access.**
- **Working on the design of database schema for the website with the teammates.**
- **Performing normalization of the tables in the database up to 3NF.**
- **Creation of database and populating it with appropriate data.**
- **Integration of the pages on user access end.**
- **Error removal and trimming of the pages.**
- **Project demonstration.**

## **Shashidhar Krovvidi (SXK180203)**

### **Pages worked on:**

- **login.html**
- **admin.php**
- **additem.php**
- **deleteitem.php**
- **deletion.php**
- **update.php**
- **updateitem.php**
- **menu\_list\_for\_item\_deletion.php**
- **menu\_for\_item\_deletion.js**
- **addinVENTORY.php**

### **Work Responsibilities:**

- **Implementing the login page.**
- **Creating the admin access page and generating the list of items with their item id and soft delete status.**
- **Implementing the add to inventory functionality in the admin access.**
- **Implementing the soft delete functionality in the admin access and simultaneously updating the soft delete status in the database.**
- **Implementing the update inventory functionality for updating item name, description, type, quantity, price of the item.**
- **Working on the design of database schema for the website with the teammates.**
- **Integration of pages on admin access end.**



## **Satya Sarvani Baru (SXB180153)**

### **Pages worked on:**

- **registration.php**
- **registration.html**
- **orderhistory.php**
- **check\_availability**
- **logout.php**
- **menu\_without\_login**
- **validate.js**

### **Work Responsibilities:**

- **Implementing the registration page for new users and sending the data to the database.**
- **Performing validation of the data entered on the registration page.**
- **Implementing the logout functionality.**
- **Creating menu page without login or user signup.**
- **Implementing transaction history panel by fetching the transaction data from the database on the page.**
- **Working on the design of database schema for the website with the teammates.**