JUICE SHOP:

Fresh Juice Shop

Online Juice Store
Project Report

CS6314.002 Web Programming Languages

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Project Description

We have designed an Juice shop called "The Juice BAR". The store provides different kinds of fruit juices and Healthy snacks. There is a wide variety of combo choices given to the user from which he can select. The main motivation for this project is because of the rapid growth of the eating healthy concept in the society. Our store main purpose is to provide customers food which is healthy and tasty. It is just not about the juices rather it is like a once stop store for all kinds of people of all ages to make their day happy. It is powered by **HTML, CSS, JavaScript, jQuery, AJAX, Bootstrap. PHP** and **MySQL**. It provides all the features of an ecommerce website except payment functionality. All pages of the website are **fully responsive**. Following are the standout features of the website:

1. Check the new email address in regsiter.php if its already used by the system using AJAX.
2. Strong/Medium/Weak Password checking on register.php
3. Checking all the fields are mandatory and filled according to rules in register.php

4. Partial search on Product Title, Filtering on Category and Paging .

5. Adding items to the cart and saving them for future use in cart.php.

6. Updating cart items by changing quantity and being able to delete them on cart.php

7. List of orders can be saved for a customer.

8. Editing,updating and Delete option is present in the cart.

9. Soft-delete option is implemented. For both admin and user in cart and product listing.

10. Dynamic fetching of product quantity based on product size using AJAX on product.php

11. Ability to add multiple sizes for a product in add_product.php

12. Ability to update pictures for products

13. 100 % Responsiveness using Bootstrap classes and media queries .

14. All Function calls on Action.php

15. Database in 3NF form

Database Design

We have used MySQL Version 5.7.24 to design the back-end of our project. The database design consists of creating the following tables:

1. user_info
2. admin_info
3. products
4. order_products
5. order_info
6. orders
7. logs
8. categories
9. cart
10. brands

We have normalized the relations up till **3NF**. The following file consists of DDL statements (CREATE TABLE statements, PRIMARY KEY definitions and FOREIGN KEY definitions) for database.

The database details are placed in test2.php. Below are CREATE TABLE statements:

```
CREATE TABLE `admin_info` (
  `admin_id` int(10) NOT NULL,
```

```sql
  `admin_name` varchar(100) NOT NULL,
  `admin_email` varchar(300) NOT NULL,
  `admin_password` varchar(300) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `brands` (
  `brand_id` int(100) NOT NULL,
  `brand_title` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `cart` (
  `id` int(10) NOT NULL,
  `p_id` int(10) NOT NULL,
  `ip_add` varchar(250) NOT NULL,
  `user_id` int(10) DEFAULT NULL,
  `qty` int(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `categories` (
  `cat_id` int(100) NOT NULL,
  `cat_title` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `logs` (
  `id` int(11) NOT NULL,
  `user_id` varchar(50) NOT NULL,
  `action` varchar(50) NOT NULL,
  `date` datetime NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `orders` (
  `order_id` int(11) NOT NULL,
  `user_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(11) NOT NULL,
  `trx_id` varchar(255) NOT NULL,
  `p_status` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

CREATE TABLE `orders_info` (
  `order_id` int(10) NOT NULL,
  `user_id` int(11) NOT NULL,
  `f_name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `address` varchar(255) NOT NULL,
  `city` varchar(255) NOT NULL,
  `state` varchar(255) NOT NULL,
  `zip` int(10) NOT NULL,
  `cardname` varchar(255) NOT NULL,
  `cardnumber` varchar(20) NOT NULL,
  `expdate` varchar(255) NOT NULL,
  `prod_count` int(15) DEFAULT NULL,
```

```sql
  `total_amt` int(15) DEFAULT NULL,
  `cvv` int(5) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


CREATE TABLE `order_products` (
  `order_pro_id` int(10) NOT NULL,
  `order_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(15) DEFAULT NULL,
  `amt` int(15) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


CREATE TABLE `products` (
  `product_id` int(100) NOT NULL,
  `product_cat` int(100) NOT NULL,
  `product_brand` int(100) NOT NULL,
  `product_title` varchar(255) NOT NULL,
  `product_price` int(100) NOT NULL,
  `product_desc` text NOT NULL,
  `product_image` text NOT NULL,
  `product_keywords` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


CREATE TABLE `user_info` (
  `user_id` int(10) NOT NULL,
  `first_name` varchar(100) NOT NULL,
  `last_name` varchar(100) NOT NULL,
  `email` varchar(300) NOT NULL,
  `password` varchar(400) NOT NULL,
  `mobile` varchar(10) NOT NULL,
  `address1` varchar(300) NOT NULL,
  `address2` varchar(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

ALTER TABLE `admin_info`
  ADD PRIMARY KEY (`admin_id`);

--
-- Indexes for table `brands`
--
ALTER TABLE `brands`
  ADD PRIMARY KEY (`brand_id`);


--
-- Indexes for table `cart`
--
ALTER TABLE `cart`
  ADD PRIMARY KEY (`id`);


--
-- Indexes for table `categories`
--
```

```sql
ALTER TABLE `categories`
  ADD PRIMARY KEY (`cat_id`);

--
-- Indexes for table `logs`
--
ALTER TABLE `logs`
  ADD PRIMARY KEY (`id`);


--
-- Indexes for table `orders`
--
ALTER TABLE `orders`
  ADD PRIMARY KEY (`order_id`);


--
-- Indexes for table `orders_info`
--
ALTER TABLE `orders_info`
  ADD PRIMARY KEY (`order_id`),
  ADD KEY `user_id` (`user_id`);


--
-- Indexes for table `order_products`
--
ALTER TABLE `order_products`
  ADD PRIMARY KEY (`order_pro_id`),
  ADD KEY `order_products` (`order_id`),
  ADD KEY `product_id` (`product_id`);


--
-- Indexes for table `products`
--
ALTER TABLE `products`
  ADD PRIMARY KEY (`product_id`);


--
-- Indexes for table `user_info`
--
ALTER TABLE `user_info`
  ADD PRIMARY KEY (`user_id`);


--
-- AUTO_INCREMENT for dumped tables
--


--
-- AUTO_INCREMENT for table `admin_info`
--
ALTER TABLE `admin_info`
  MODIFY `admin_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
--
```

```
-- AUTO_INCREMENT for table `brands`
--
ALTER TABLE `brands`
 MODIFY `brand_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
--
-- AUTO_INCREMENT for table `cart`
--
ALTER TABLE `cart`
 MODIFY `id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=9;
--
-- AUTO_INCREMENT for table `categories`
--
ALTER TABLE `categories`
 MODIFY `cat_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `logs`
--
ALTER TABLE `logs`
 MODIFY `id` int(11) NOT NULL AUTO_INCREMENT;
--
-- AUTO_INCREMENT for table `orders`
--
ALTER TABLE `orders`
 MODIFY `order_id` int(11) NOT NULL AUTO_INCREMENT;
--
-- AUTO_INCREMENT for table `orders_info`
--
ALTER TABLE `orders_info`
 MODIFY `order_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
--
-- AUTO_INCREMENT for table `order_products`
--
ALTER TABLE `order_products`
 MODIFY `order_pro_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=85;
--
-- AUTO_INCREMENT for table `products`
--
ALTER TABLE `products`
 MODIFY `product_id` int(100) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=30;
--
-- AUTO_INCREMENT for table `user_info`
--
ALTER TABLE `user_info`
 MODIFY `user_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=23;
--
-- Constraints for dumped tables
--


--
-- Constraints for table `orders_info`
--
ALTER TABLE `orders_info`
```

```
  ADD CONSTRAINT `user_id` FOREIGN KEY (`user_id`) REFERENCES `user_info` (`user_id`);


--
-- Constraints for table `order_products`
--
ALTER TABLE `order_products`
  ADD CONSTRAINT `order_products` FOREIGN KEY (`order_id`) REFERENCES `orders_info` (`order_id`)
ON DELETE NO ACTION ON UPDATE CASCADE,
  ADD CONSTRAINT `product_id` FOREIGN KEY (`product_id`) REFERENCES `products` (`product_id`);
COMMIT;
```

Languages/frameworks used for implementation

We have used the following technologies for building the website:

1. **Front-end technologies:**
   a. HTML
   b. CSS
   c. JavaScript
   d. jQuery
   e. AJAX
   f. Bootstrap
2. **Back-end technologies:**
   a. PHP version 7.2.14
   b. MySQL version 5.7.24.
   Server:
   a. Apache v2.4.37 (MAMP version 4.1.1)
4. **Text Editor:** a. Sublime Text editor

Screenshots for main functionalities

1. Home page
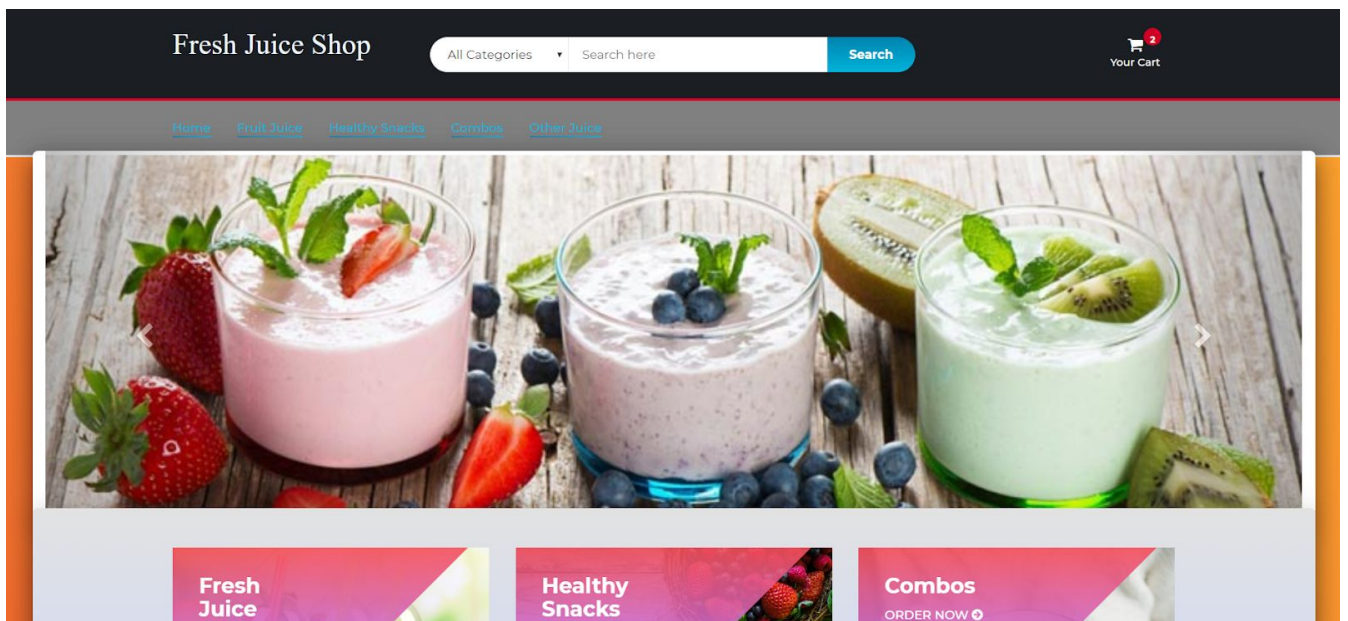
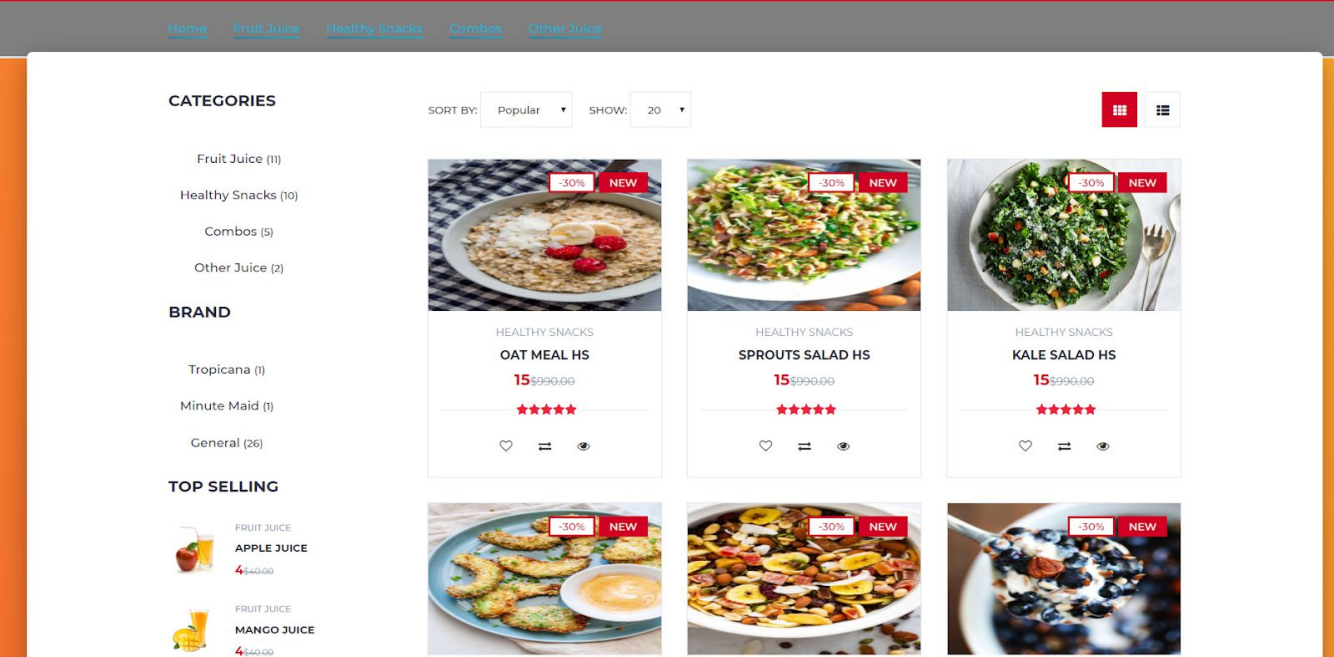2. Login
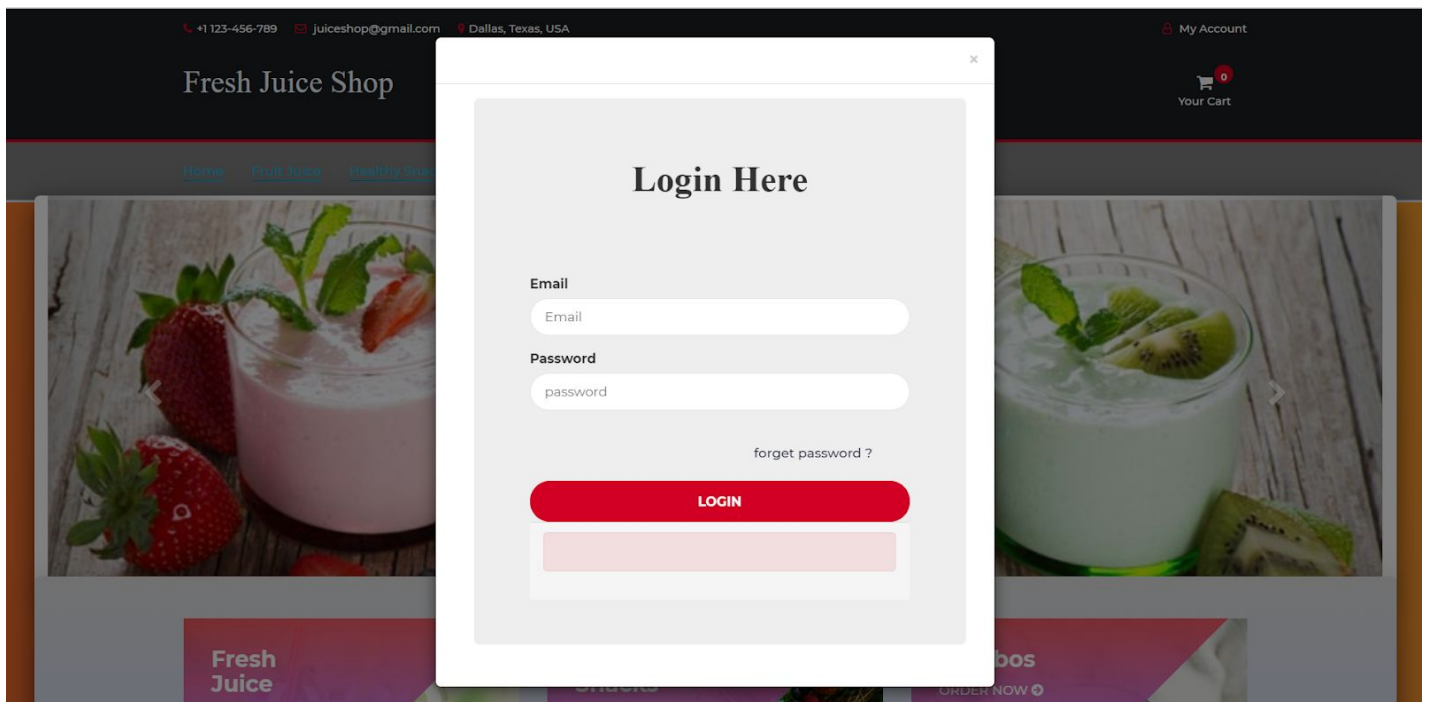
3. Signup
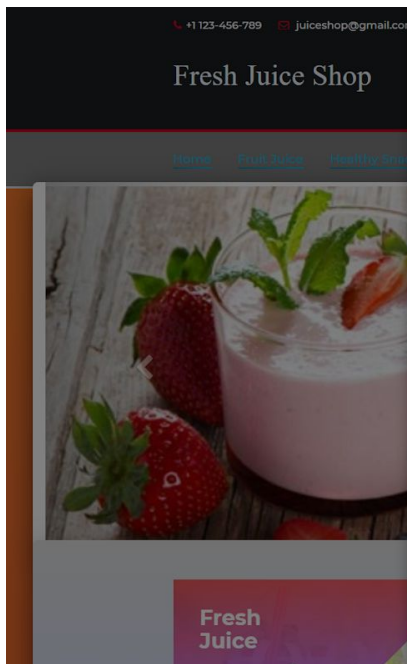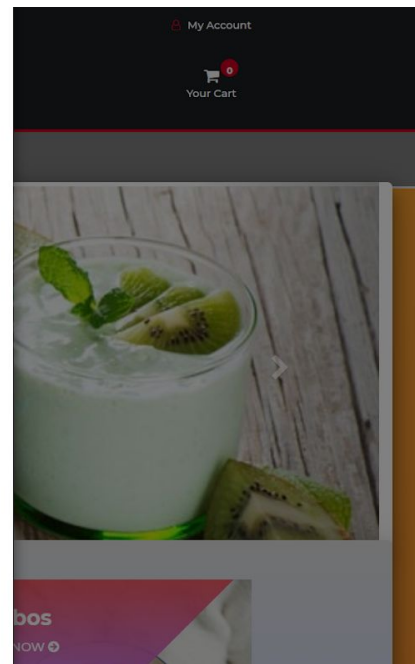
4. Shop from admin's point of view
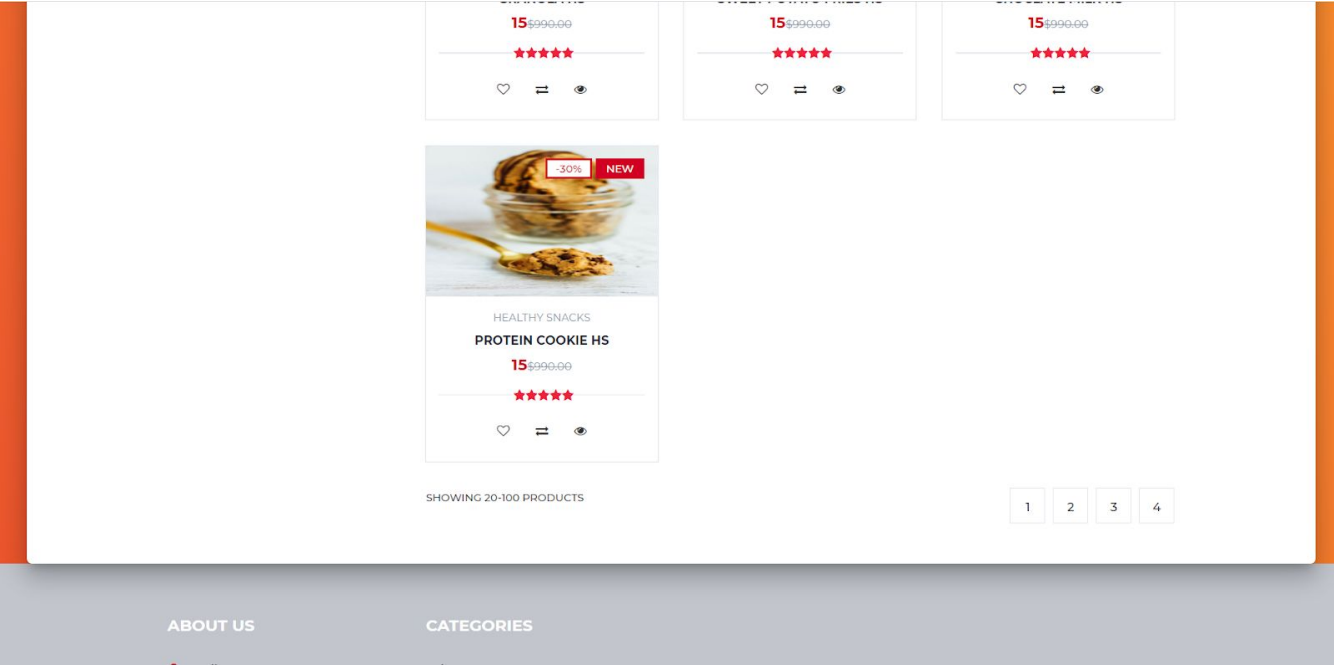

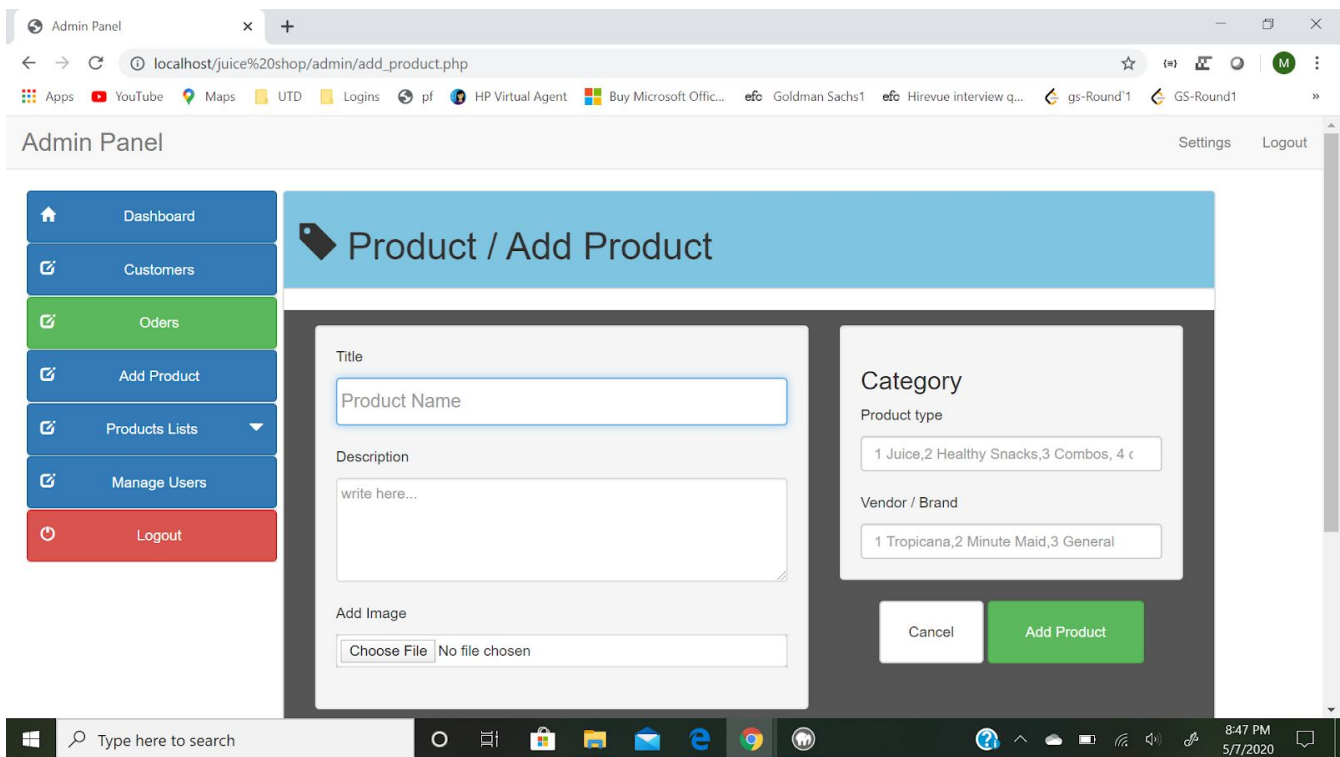5. Shop from customer's point of view
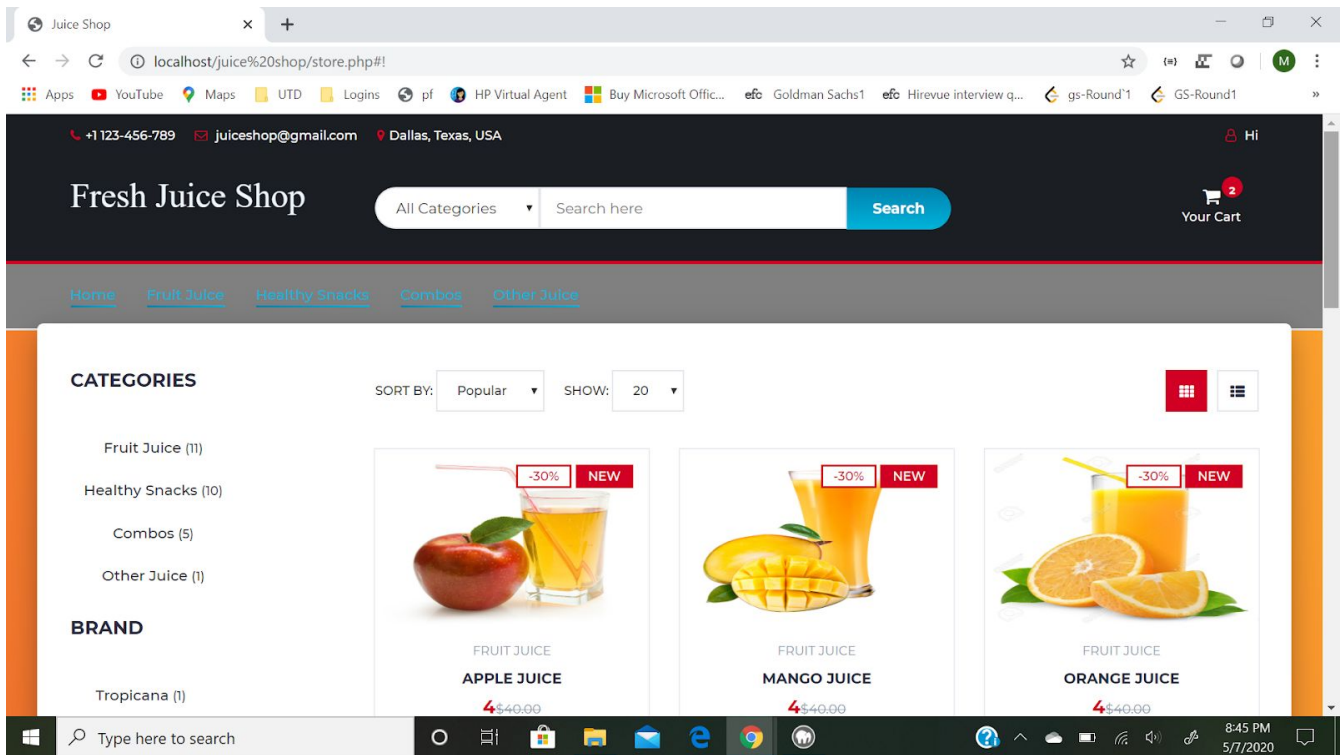
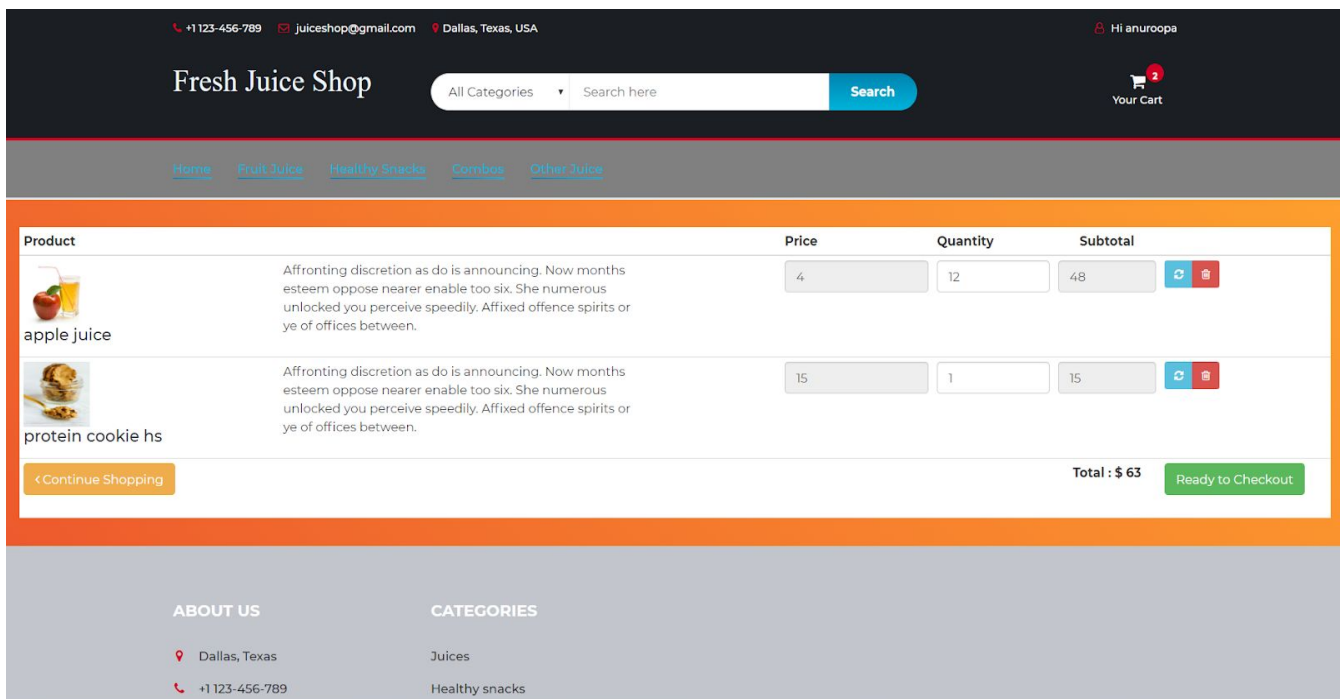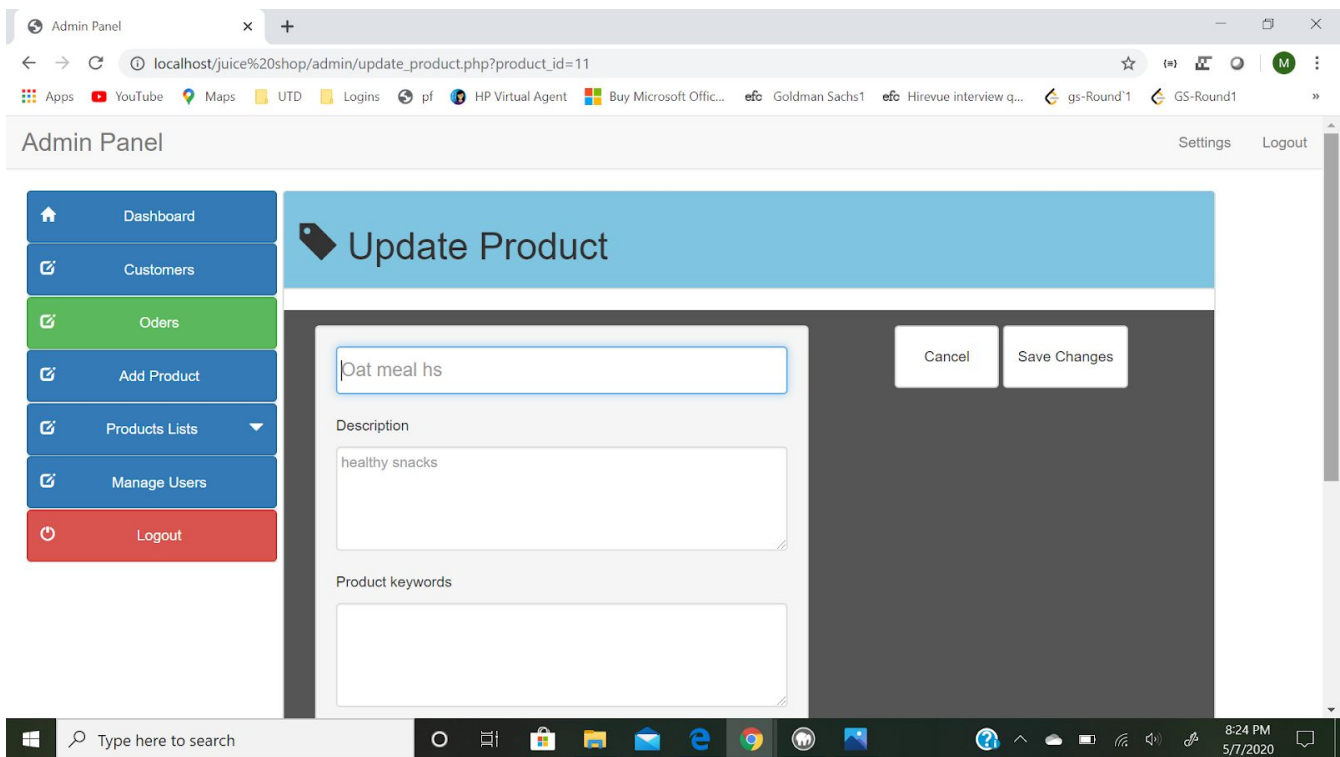6. Partial search on title
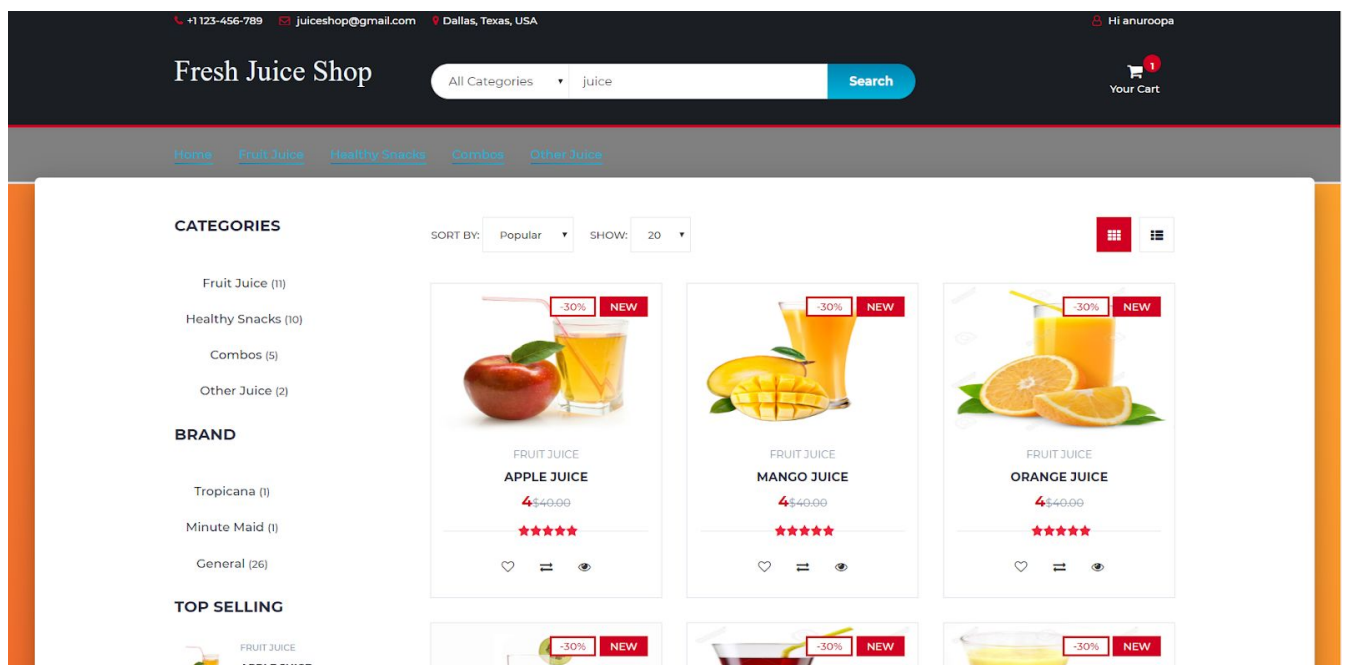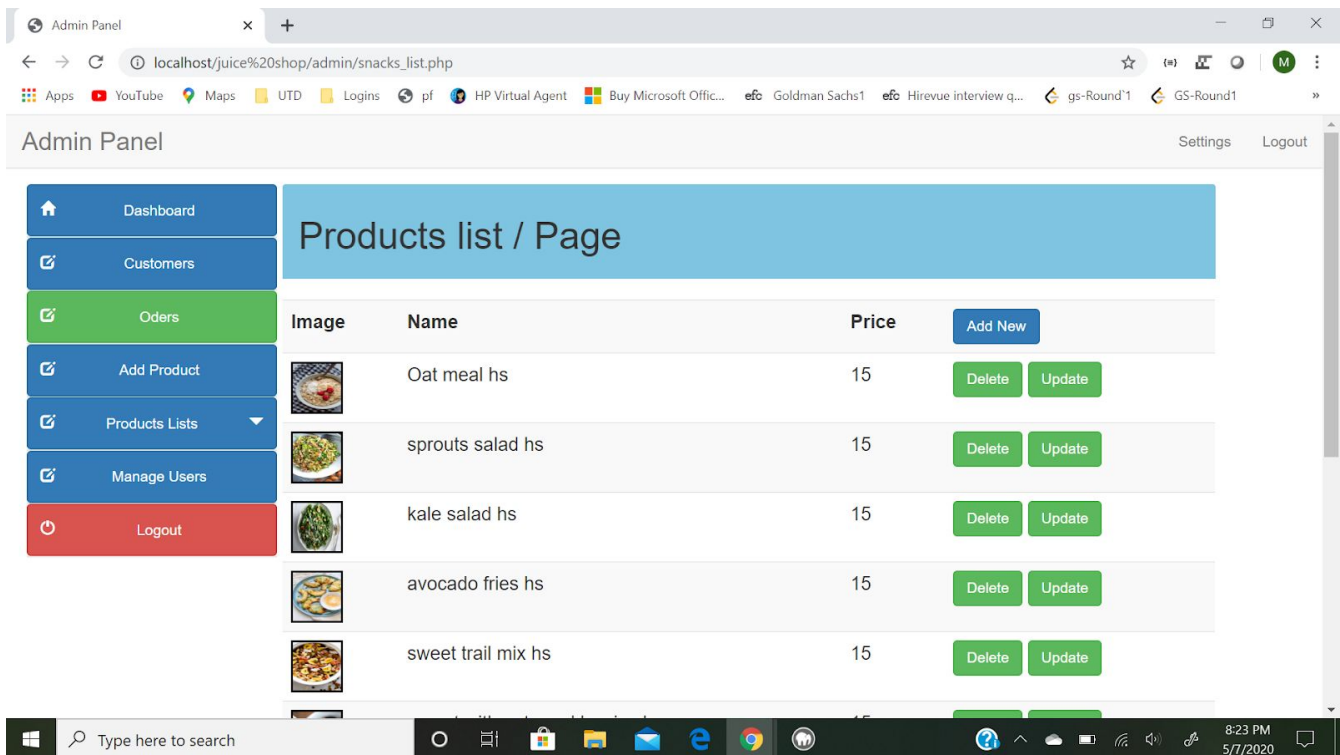

7. Search on category

8. paging

9. Add product

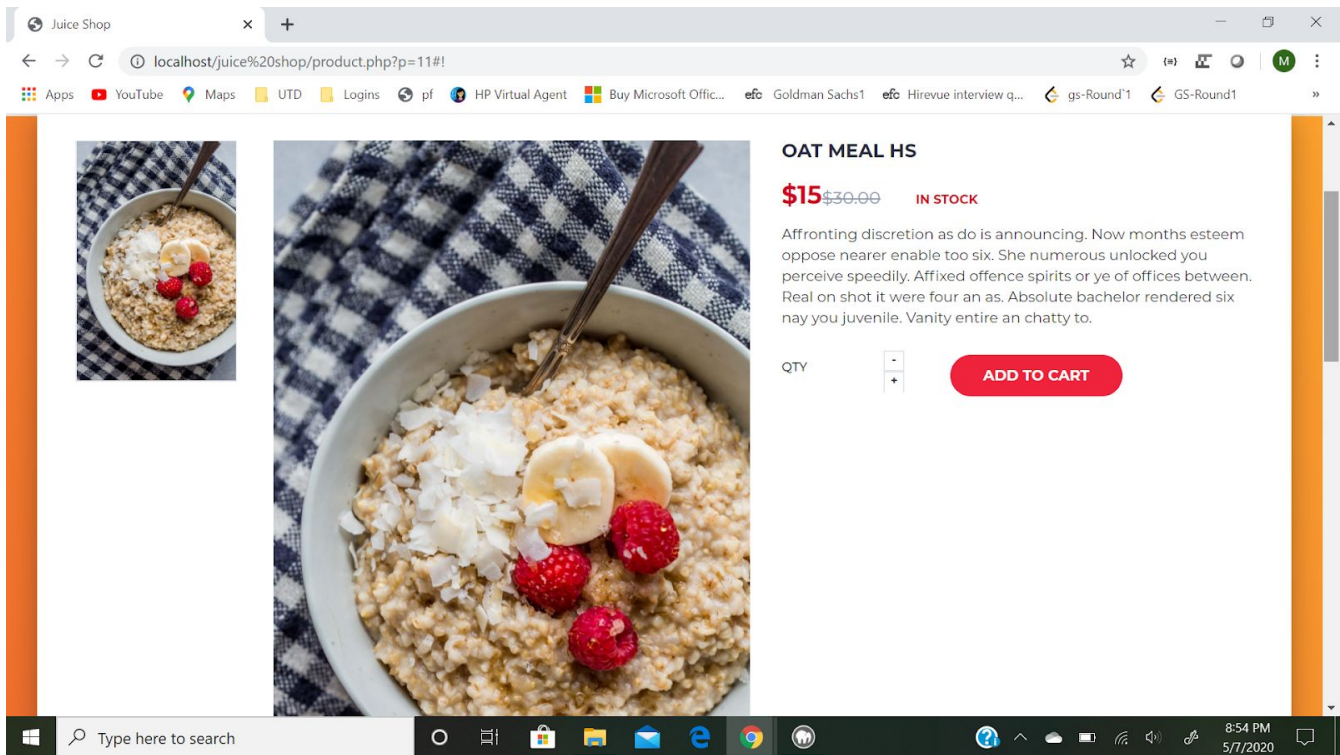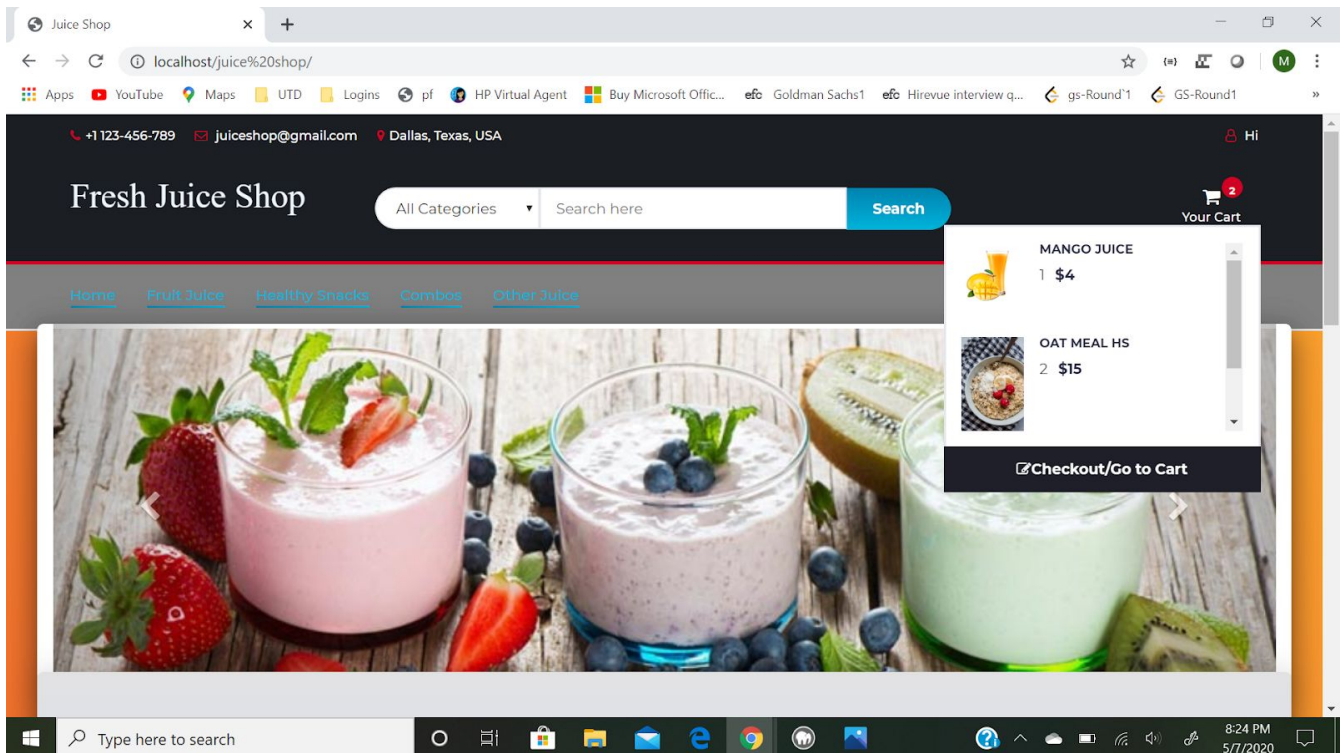10. Saved lists and check out cart with edit options

11. Update product

12. Delete product

13. Product page

OAT MEAL HS

$15 ~~$30.00~~   **IN STOCK**

Affronting discretion as do is announcing. Now months esteem oppose nearer enable too six. She numerous unlocked you perceive speedily. Affixed offence spirits or ye of offices between. Real on shot it were four an as. Absolute bachelor rendered six nay you juvenile. Vanity entire an chatty to.

QTY   [−] [+]   **ADD TO CART**

14. Cart

+1 123-456-789   juiceshop@gmail.com   Dallas, Texas, USA   Hi

Fresh Juice Shop

All Categories ▼   Search here   **Search**   Your Cart ²

Home   Fruit Juice   Healthy Snacks   Combos   Other Juice

MANGO JUICE
1   $4

OAT MEAL HS
2   $15

✏ Checkout/Go to Cart

15. Checkout

16. History of purchases

17. Contact
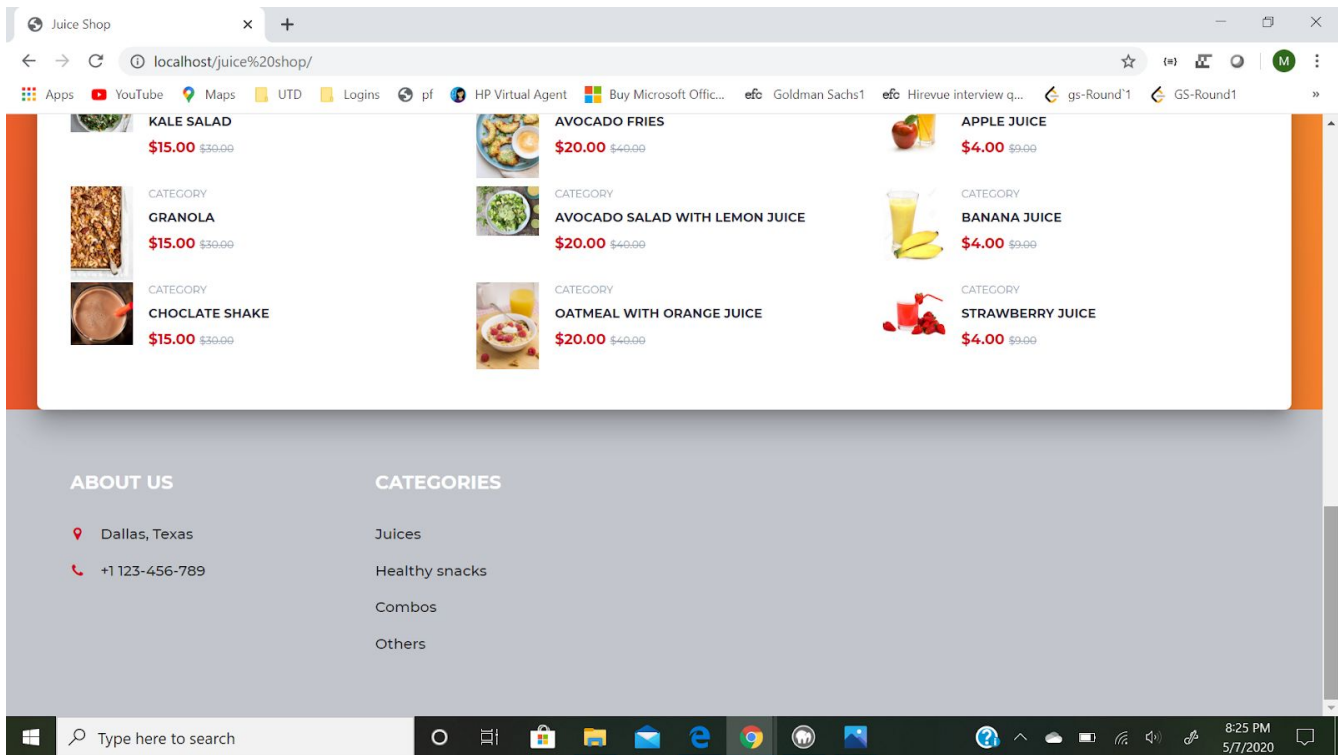
Team Members

Our team consists of the following members:

1. **Manichandana Dyda(MXD180035)**
2. **Shilpi Soni (SXS190036)**
3. **Anudeepa Reddy Vanteru(AXV180060)**

Work division among team members

Both of us have put tremendous efforts towards completion of the project. Following is the work division:

S. No.	Task	Owner	Involved Pages
1.	User Registration Form	Shilpi Soni	register_form.php,register.php
2.	User Login Form	Shilpi Soni	login_form.php, login.php, logout.php
3.	Product Listing	Mani Chandana Dyda	Snacks_list.php(for admin), juice_list.php(for admin) , product.php, store.php
4.	Paging Functionality	Anudeepa Reddy vanteru	product.php, store.php
5.	Add items to cart	Shilpi Soni	cart.php
6.	Update cart	Mani chandana dyda	cart.php, checkout.php, checkout_process.php
7.	History of purchases	Anudeepa Reddy vanteru	orders.php
8.	Admin user functionality	Anudeepa Reddy vanteru, Shilpi Soni,Mani chandana dyda	add_product.php, add_user.php, edit_user.php, manage_users.php, snacks_list.php, juice_list.php, orders.php submit_add.php submit_update.php, update_product.php, update_msg.php, check_session.php
9.	Admin user basic page structure	Anudeepa Reddy Vanteru	admin/include header.php, js.php, side_bar.php
10.	Admin side style	Mani Chandana dyda	k.css
11.	Same interfaces for admin and regular users	Shilpi Soni	login.php,login_form.php
12.	Error handling and configuration	Shilpi Soni	config.php,error.php

13.	Front-end design	Anudeepa Reddy vanteru, Shilpi Soni,Mani chandana dyda	Body.php, style.css homeaction.php register_form.php, login_form.php header.php, footer.php, index.php, topheader, store.php
14.	Back-end design	Shilpi Soni	phpmyadmin-MySQL, db.php
15.	Testing	Anudeepa Reddy Vanteru,Shilpi Soni,mani chandana reddy	index.php, login.php, signup.php, my_orders.php, juice_list.php, snacks_list.php product.php, add_product.php, cart.php, update_product.php, delete_product.php, checkout.php
16.	User side style	Anudeepa reddy vanteru	style.css
17.	Javascript files	Mani chandana dyda	action.js main.js
18.	Image collection	Shilpi Soni	ajax-loader.gif and all the product images in /product_images, /img
19.	Project Report	Anudeepa	N/A