

WEB DESIGNING ON ONLINE RESTAURANT USING HTML, CSS, JAVASCRIPT, BOOTSTRAP

INDUSTRIAL TRAINING PROJECT REPORT



Submitted By

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Roll – 1951065

Autonomy Roll – 12619001172

4th Year

**COMPLETED AT
ELOGIX SOFTWARE PVT. LTD.**

**in partial fulfilment for the award of the degree
*of***

BACHELOR OF TECHNOLOGY

In
COMPUTER SCIENCE AND ENGINEERING
HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA
An autonomous Institute under
Maulana Abdul Kalam Azad University of Technology
Formerly Known as a
West Bengal University of Technology

December, 2022



ES / HR / 0012/ Aug22-01
Date: 12th August 2022

TO WHOMSOEVER IT MAY CONCERN

Mr. Swapnil Chowdhury, pursuing B.Tech (4th Year) in Computer Science and Engineering from Heritage Institute of Technology, has completed his internship at Elogix Software Pvt. Ltd from 20th July 2022 to 12th August 2022.

Main Tasks Accomplished:

- Project on Online Restaurant using HTML, CSS, Java script, Bootstrap

We found him sincere, hardworking, quick learner and result oriented. He worked well as part of a team during his tenure. We take this opportunity to thank and wish him all the best for his future.

for Elogix Software Pvt. Ltd.

(Pradip Chanda)
Chief Executive Officer
Place: Kolkata

Elogix Software Pvt. Ltd.

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ACKNOWLEDGEMENT

I will be deeply grateful to ELogix Software Pvt. Ltd. for giving me this wonderful opportunity to learn and explore new ideas. A big thanks to all the members of the company who continuously guided me in spite of having a very busy schedule.

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ABSTRACT

This is a restaurant cum food delivery website. Users can view their menu card before visiting. Also, there will be an option to order food home using cash on delivery option. There is two separate pages for veg and non veg menu. The users can select any food, and select any number of orders for each of them. After that on confirming the order, the user will get an invoice generated regarding their order.

The home page also has contact details of the restaurant so that user can contact them for any need. The address of the website is also given along with a google map for understanding. There is a feedback section also which allows the users to provide feedback about the restaurant's service

TOOLS USED

- HTML
- CSS
- Bootstrap
- JavaScript
- jQuery (very rare use)

Home Page

The home page has the following features:

1. Navigation bar
2. Carousel
3. Menu Card
4. About Us Section
5. Contact Us Section
6. Feedback Section
7. Footer

1. Navigation Bar

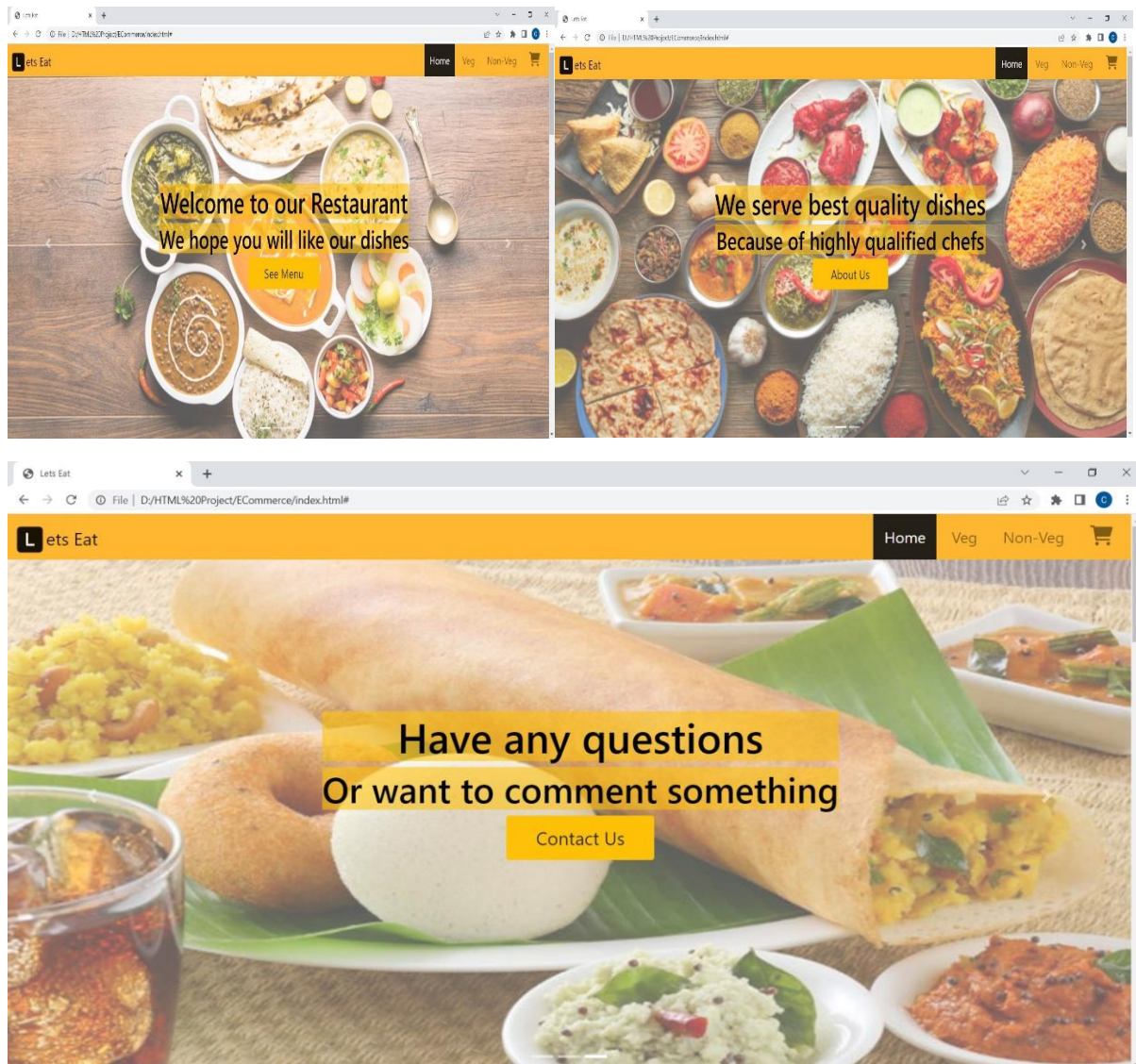
This was created using bootstrap **navbar class**. This has the company name and logo on the left. The logo was created using font awesome icons. The right side of the bar contains four links – Home, Veg, Non-Veg and Cart. The home link redirects to this current page. The Veg link redirects to the page containing menu for veg. The Non-Veg link redirects to the page containing menu for Non-veg. The cart link takes one to the cart page which contains the items the user ordered. The page the user is currently on i.e., the active page is highlighted in black.



2. Carousel

The carousel consists of three images which changes every 3.5 seconds. It was built using carousel class of bootstrap. Each carousel has a special message written on it along with a button which takes

the user to the menu card or about us section or contact us section of the page.



3.Menu Card

This is built using bootstrap card. Two cards are placed side by side. The one with the green border shows the Veg menu card and the one with the red border shows the non-veg menu card. The order something button below takes the user to the respective pages (veg or non-veg). The menu card is created dynamically using javascript so only adding values to the required array changes the menu card accordingly.



Veg Menu

| | |
|------------|---------------|
| 1. Burger1 | Rs.100 |
| 2. Burger2 | Rs.150 |
| 3. Burger3 | Rs.200 |
| 4. Burger4 | Rs.250 |
| 5. Burger5 | Rs.300 |
| 6. Burger6 | Rs.350 |
| 7. Burger7 | Rs.400 |
| 8. Burger8 | Rs.450 |

[Order Something](#)



Non-Veg Menu

| | |
|-------------|---------------|
| 1. Chicken1 | Rs.100 |
| 2. Chicken2 | Rs.150 |
| 3. Chicken3 | Rs.200 |
| 4. Chicken4 | Rs.250 |
| 5. Chicken5 | Rs.300 |
| 6. Chicken6 | Rs.350 |
| 7. Chicken7 | Rs.400 |
| 8. Chicken8 | Rs.450 |

[Order Something](#)



4.About Us

The about us section contains information about the restaurant and related images.

ABOUT US

Lorem ipsum dolor sit amet consectetur adipisicing elit. Debitis quae, voluptates quod velit hic at consequatur labore autem cum eius consectetur suscipit placeat eveniet asperiores earum praesentium illo ab dignissimos!Lorem ipsum dolor sit amet consectetur adipisicing elit. Debitis quae, voluptates quod velit hic at consequatur labore autem cum eius consectetur suscipit placeat eveniet asperiores earum praesentium illo ab dignissimos!Lorem ipsum dolor sit amet consectetur adipisicing elit. Debitis quae, voluptates quod velit hic at consequatur labore autem cum eius consectetur suscipit placeat eveniet asperiores earum praesentium illo ab dignissimos!Lorem ipsum dolor sit amet consectetur adipisicing elit. Debitis quae, voluptates quod velit hic at consequatur labore autem cum eius consectetur suscipit placeat eveniet asperiores earum praesentium illo ab dignissimos!Lorem ipsum dolor sit amet consectetur adipisicing elit. Debitis quae, voluptates quod velit hic at consequatur labore autem cum eius consectetur suscipit placeat eveniet asperiores earum praesentium illo ab dignissimos!

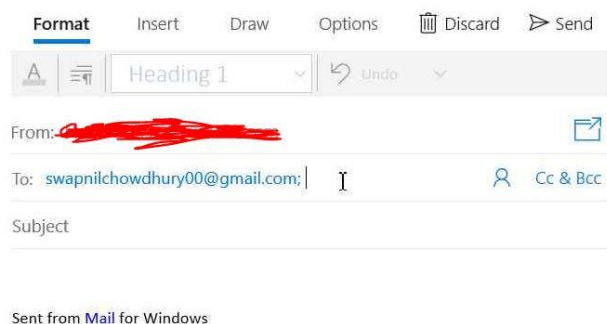
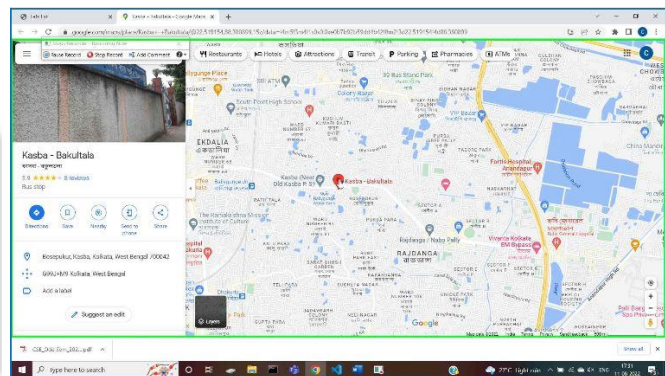


5. Contact Us

The contact us section contains three cards containing contact details in the form of phone no., address and email Id. On clicking the phone no., it will prompt the user to make a phone call. On clicking the address, it will open a google map showing the location. On clicking the email address, it will prompt the user to send an email.



tel:+917596852481



6. Feedback Section

The feedback section contains a form which asks for the user's name and email ID and asks the user to enter any feedback he or she wants to share. The email ID is validated using javascript regular expression and is a mandatory field. The name input is also mandatory and the maximum length of name can be 20. The feedback section is an input of the form textarea and can take up any number of words as feedback.

Provide any feedback

Name*

Name required

Email-ID*

Email required

Comments

Provide any feedback

Name*

Email-ID*

Invalid Email

Comments

Provide any feedback

Name*

Swapnil

Email-ID*

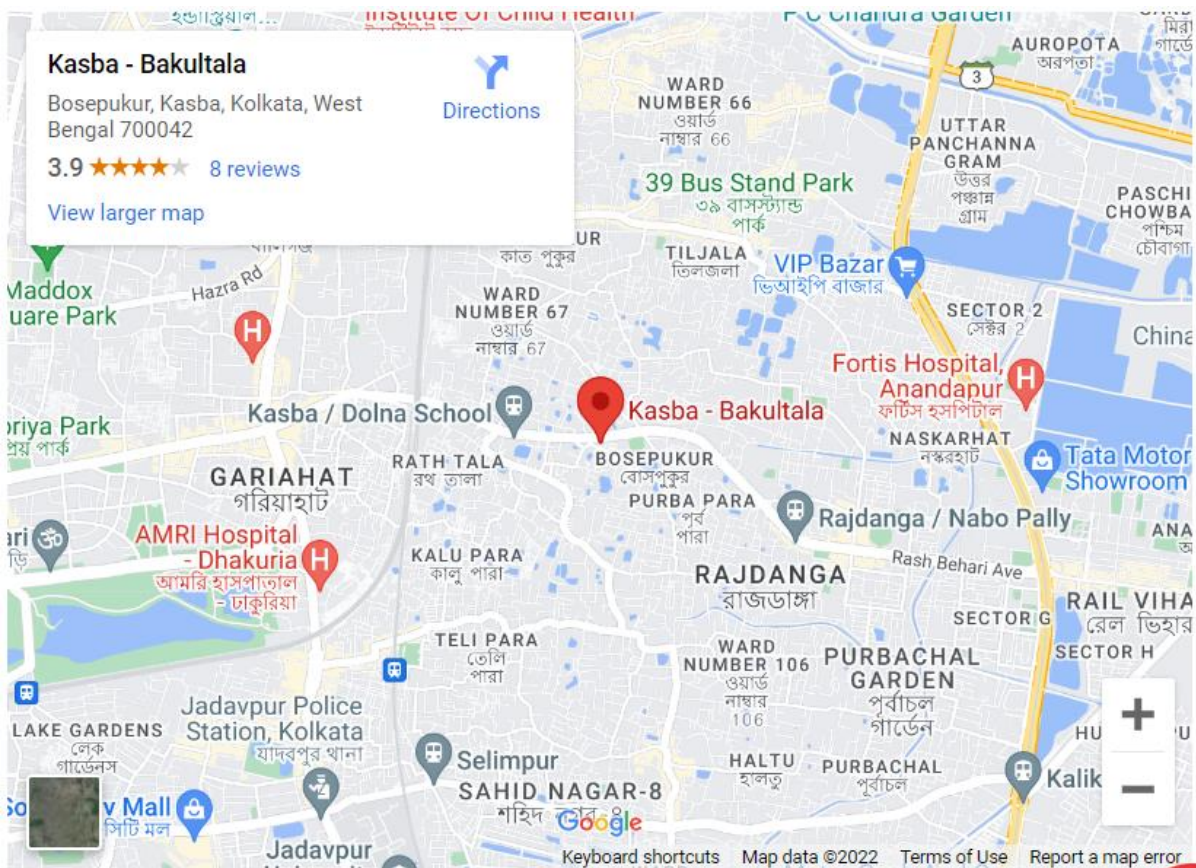
ssssssss@ggg.jh

Comments

Good

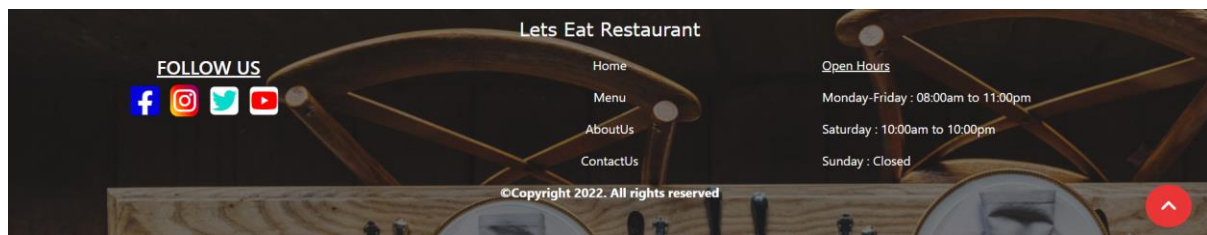
Submit

This section also contains a google map which shows the nearby areas of the restaurant.



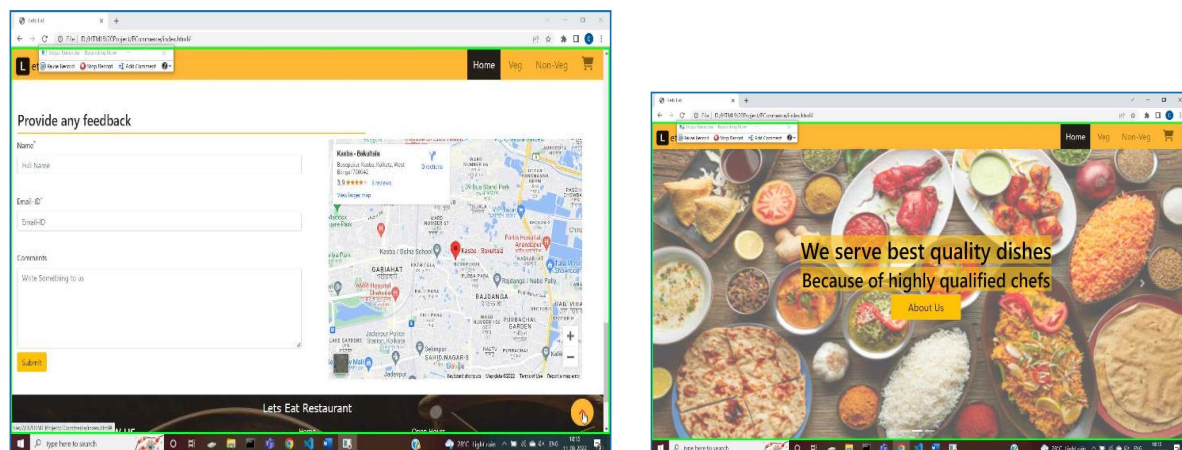
7. Footer

The footer has a background image. It consists of the name of the restaurant. It has four social media icons which redirects the user to the social media pages of the restaurant. It has links to redirect the user to specific part of the page. It also contains the hours the restaurant remains open. The footer end with the copyright declaration.



Back to top icon

The back to top icon remains hidden first. It becomes visible once the user has scrolled down enough. On clicking the back to top icon, the user is redirected to the top of the page.



Veg

This page consists of

1. Navigation bar
2. Menu cards
3. Footer

The navigation bar and footer is same as all other pages.

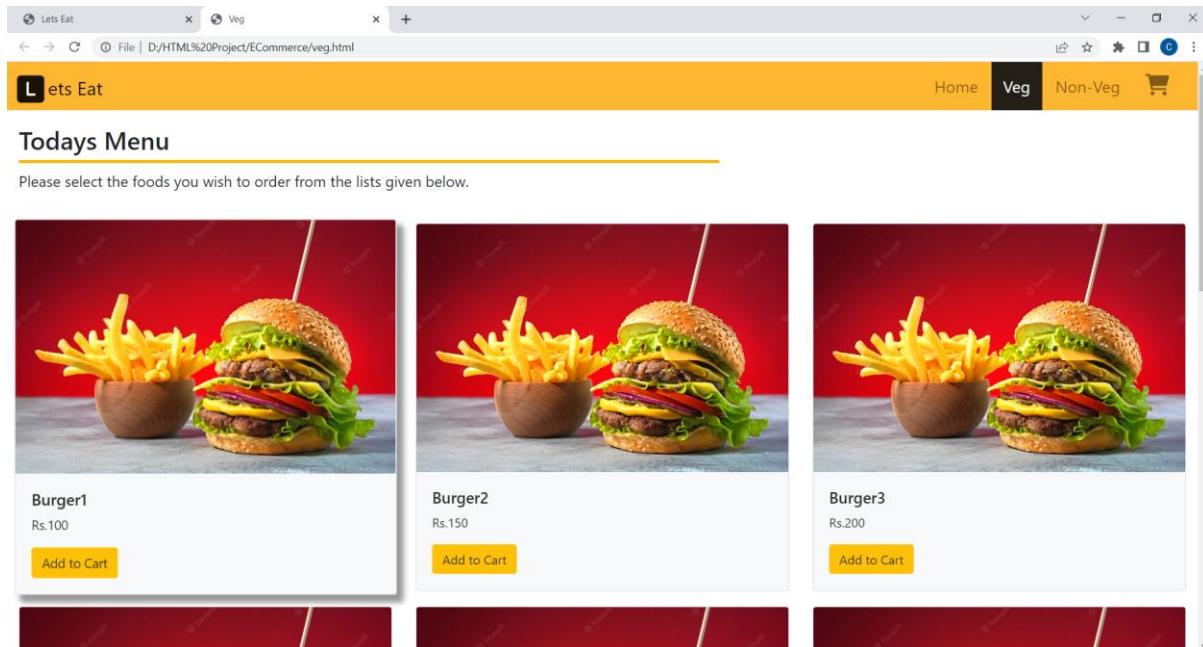
Menu card:

The menu card is created using bootstrap classes. The cards have a zooming effect when hovered over. Each menu card contains the image of the food. It is followed by name of that food and its cost. It contains an Add to Cart button. Nothing else is visible in each card at this point. On clicking add to cart the button is disabled and the button reads Added: followed by a number which is the number of items ordered. There will be a plus icon which increases number of items ordered. This will also increase the total cost ordered of that item. The minus icon will decrease the same. If one clicks on the trash icon all the values will reset and only Add to Cart button will be visible with enabling the button. Same happens if the number of items ordered falls to zero while clicking on minus icon. When more items are added a notification comes on the cart icon in the navigation bar which shows the number of different items ordered of both types (veg and non veg).

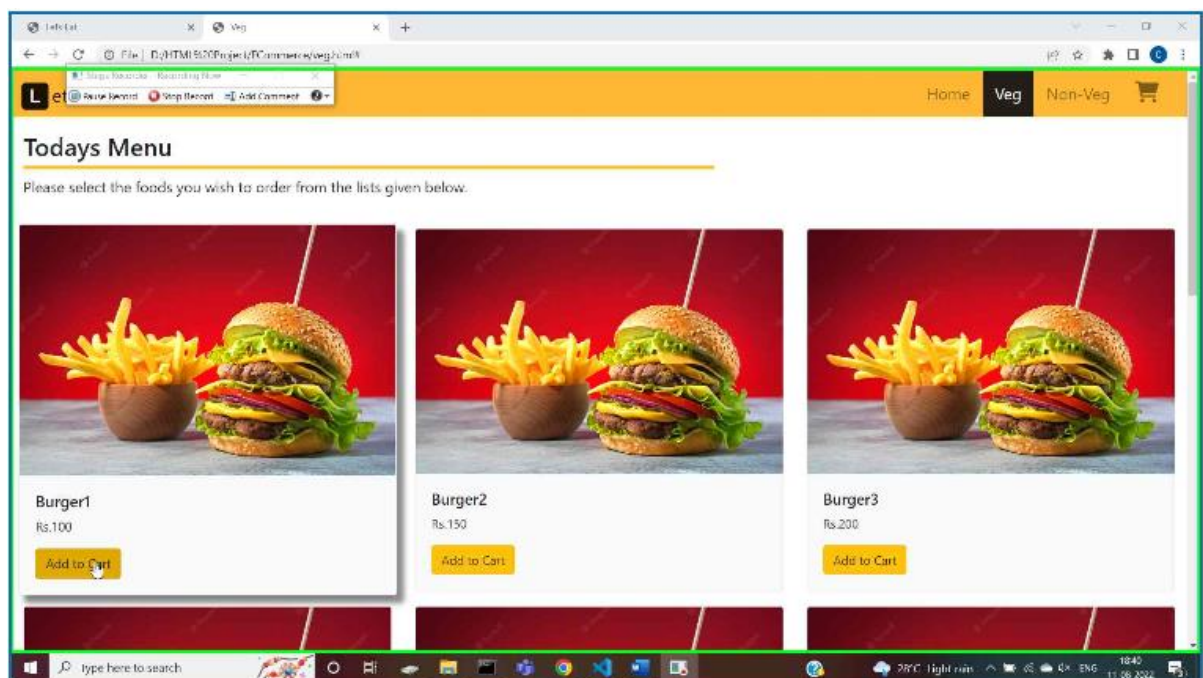
All the increment and decrement operations are controlled by using JavaScript. The button element is stored by using its id provided. Then the innerHTML is changed according to the plus, minus or trash icon whichever is clicked. The total cost of the order is also controlled in the same manner. The menu cards are also displayed

dynamically. So when a new food has to be entered, only a few array needs to be changed instead of the entire code.

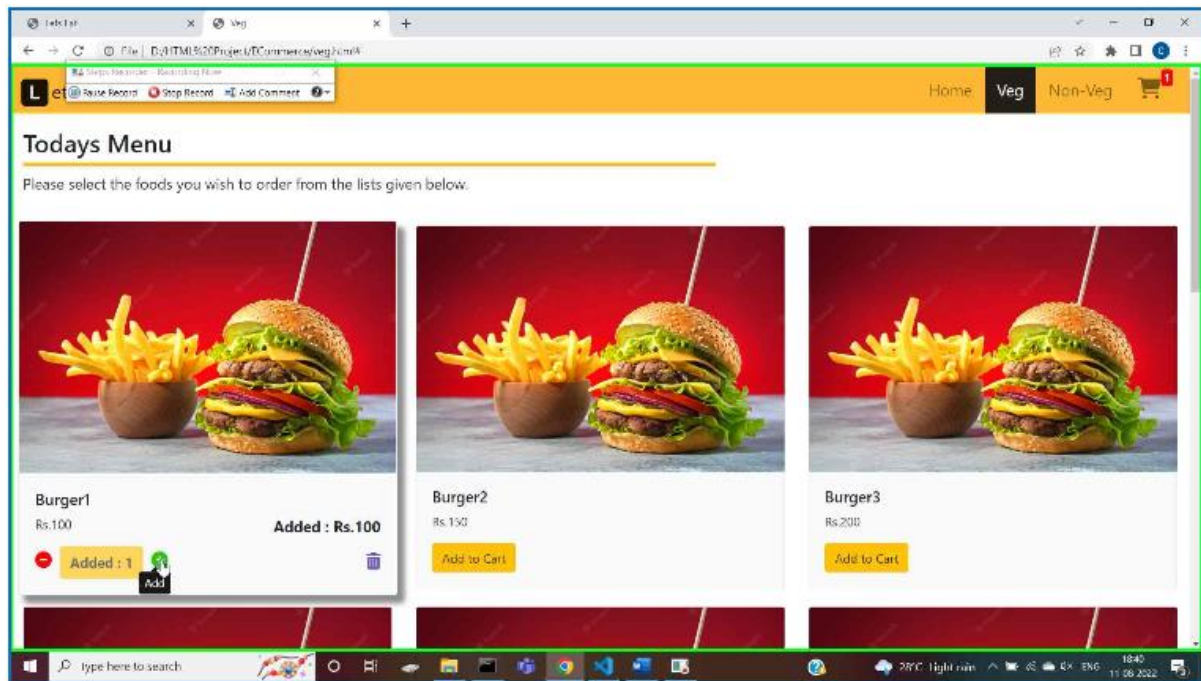
A detailed working with screenshots is shown below:



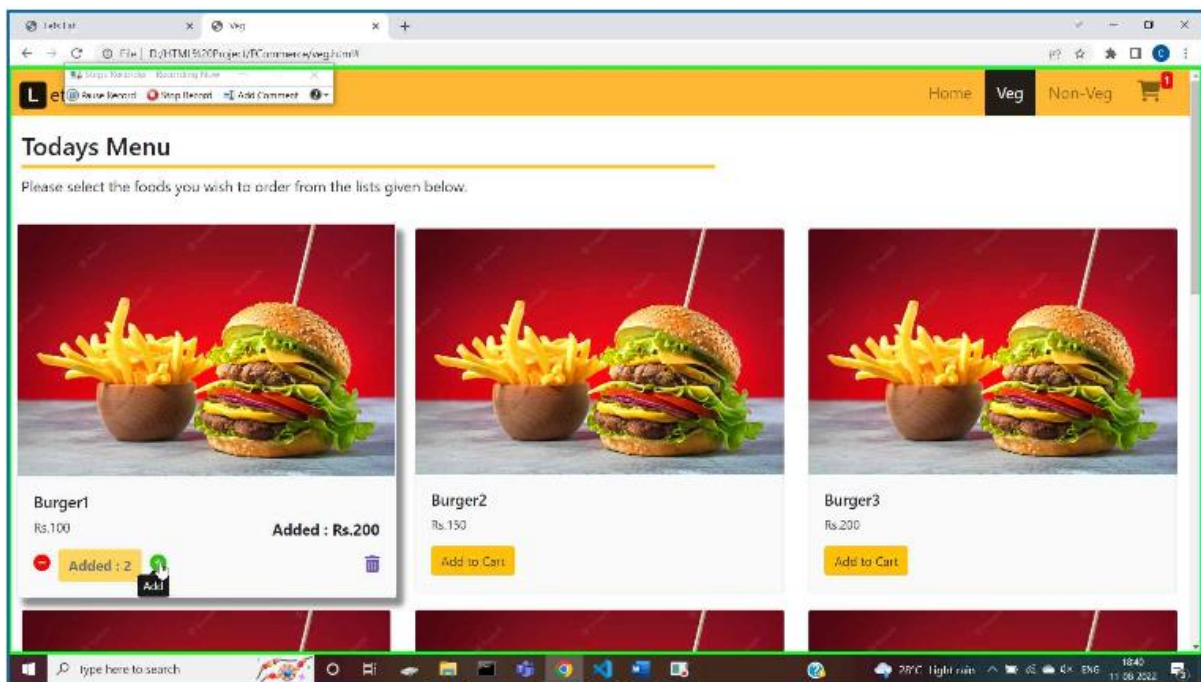
Initial page view of veg



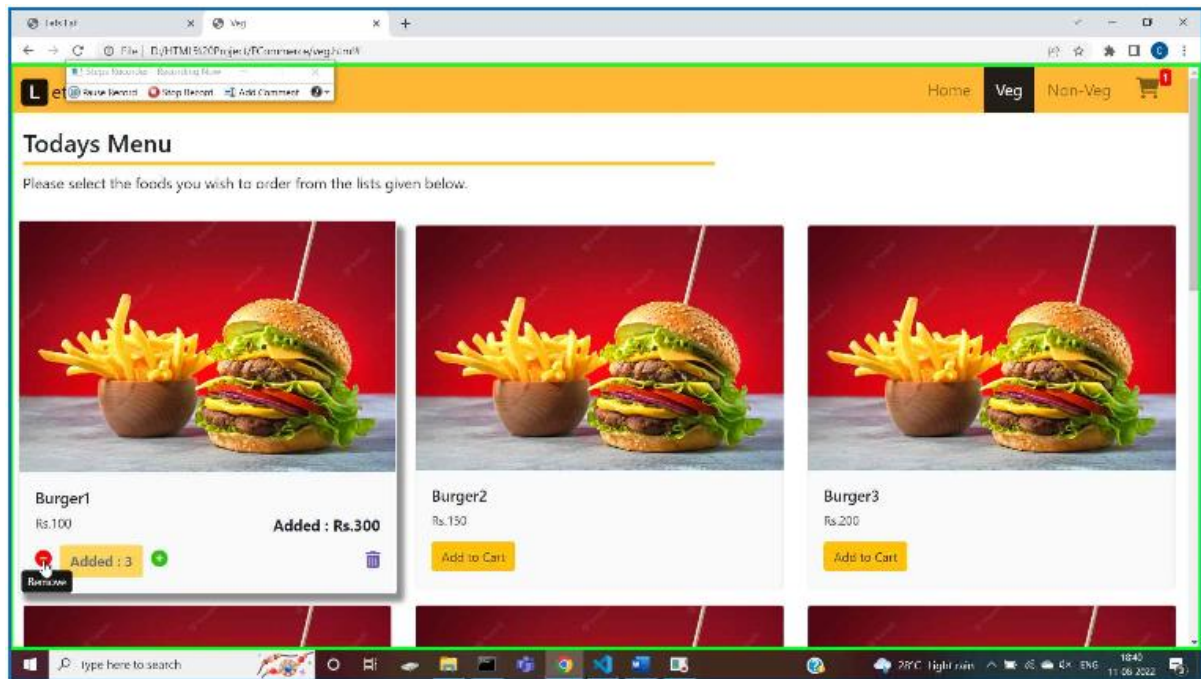
Clicking on add to cart. This will disable the button and show number of items added and their total cost. Also we will get a notification on the cart icon that one item is added.



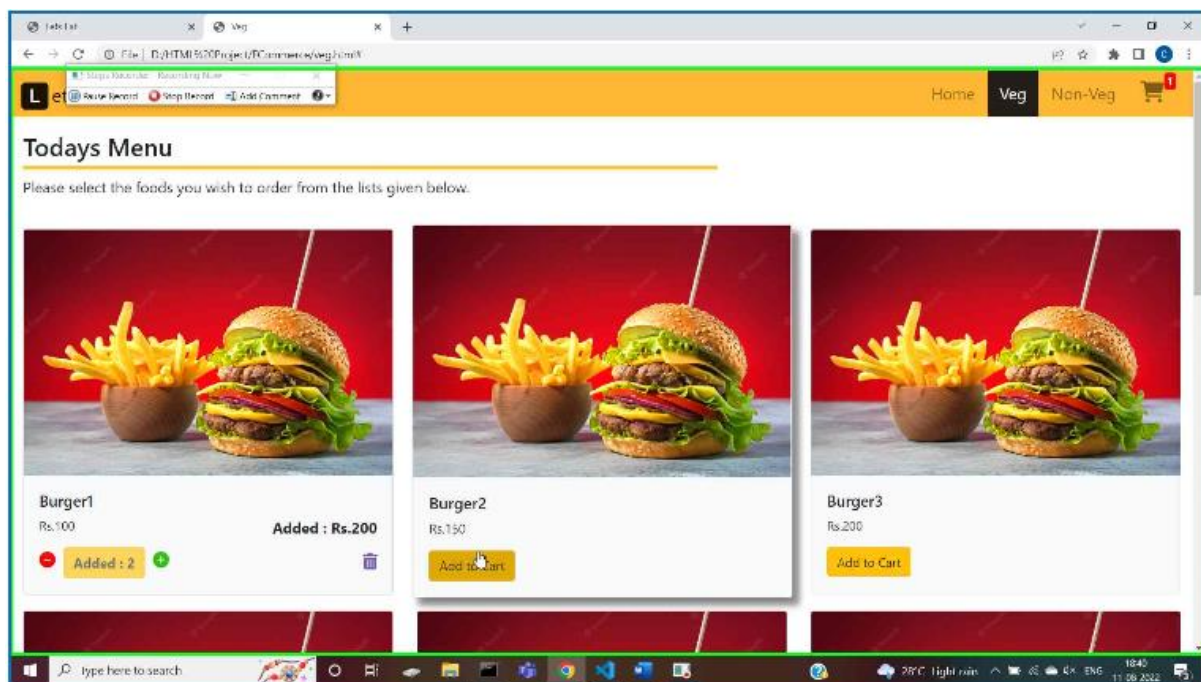
Clicking on plus icon. This will increase the number and total cost ordered. Number will increase to 2.



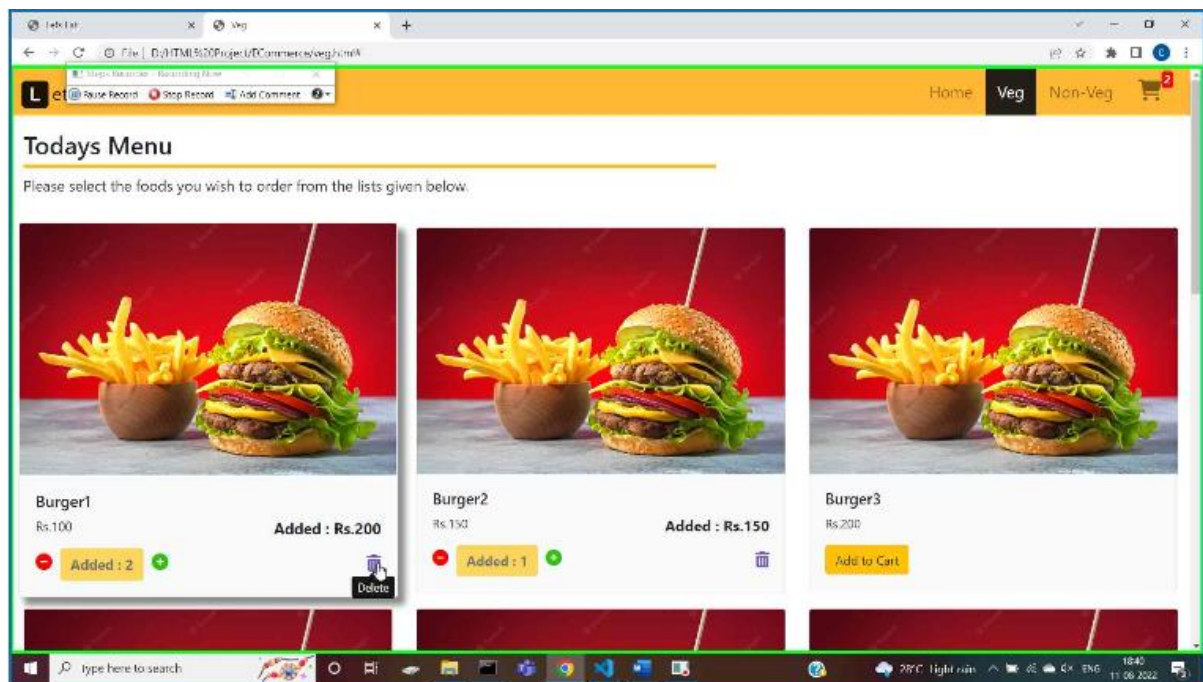
Again clicking on plus icon. Number will increase to 3.



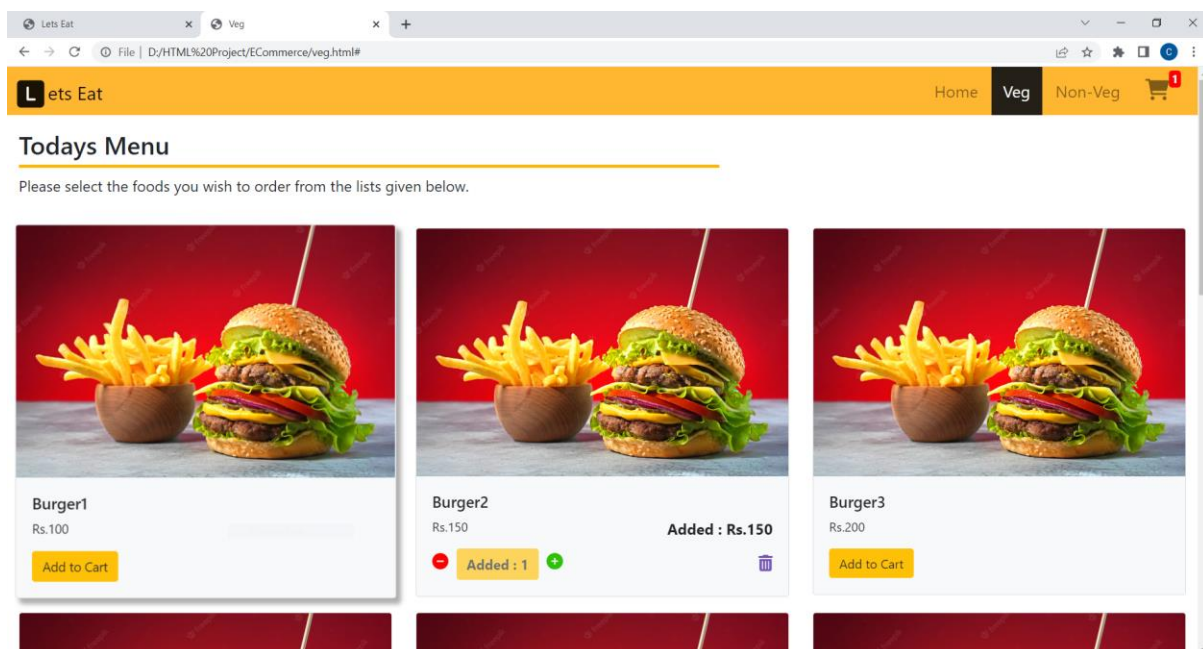
Clicking on minus icon. This will decrease the number and total cost ordered by 1. Now the value will be 2.



Clicking add to cart of another food. This will disable the button of that second order. Now we will see two items ordered. This will also change the notification on the cart icon to 2.



Clicking delete of first order. This will completely remove the first order and we will only have the second order. Also to be noted that the cart icon will show one order less as notification.



Final result after all the operations.

Non-Veg

This page consists of

1. Navigation bar
2. Menu cards
3. Footer

The navigation bar and footer is same as all other pages.

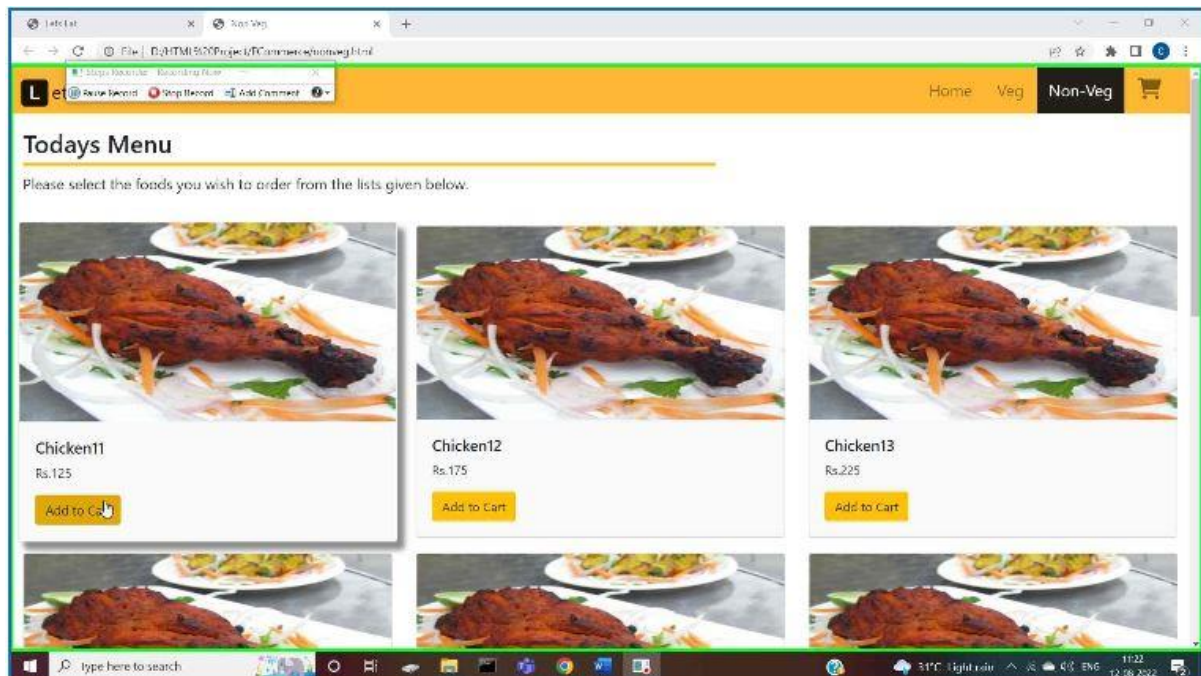
Menu card:

The menu card is created using bootstrap classes. The cards have a zooming effect when hovered over. Each menu card contains the image of the food. It is followed by name of that food and its cost. It contains an Add to Cart button. Nothing else is visible in each card at this point. On clicking add to cart the button is disabled and the button reads Added: followed by a number which is the number of items ordered. There will be a plus icon which increases number of items ordered. This will also increase the total cost ordered of that item. The minus icon will decrease the same. If one clicks on the trash icon all the values will reset and only Add to Cart button will be visible with enabling the button. Same happens if the number of items ordered falls to zero while clicking on minus icon. When more items are added a notification comes on the cart icon in the navigation bar which shows the number of different items ordered of both types (veg and non veg).

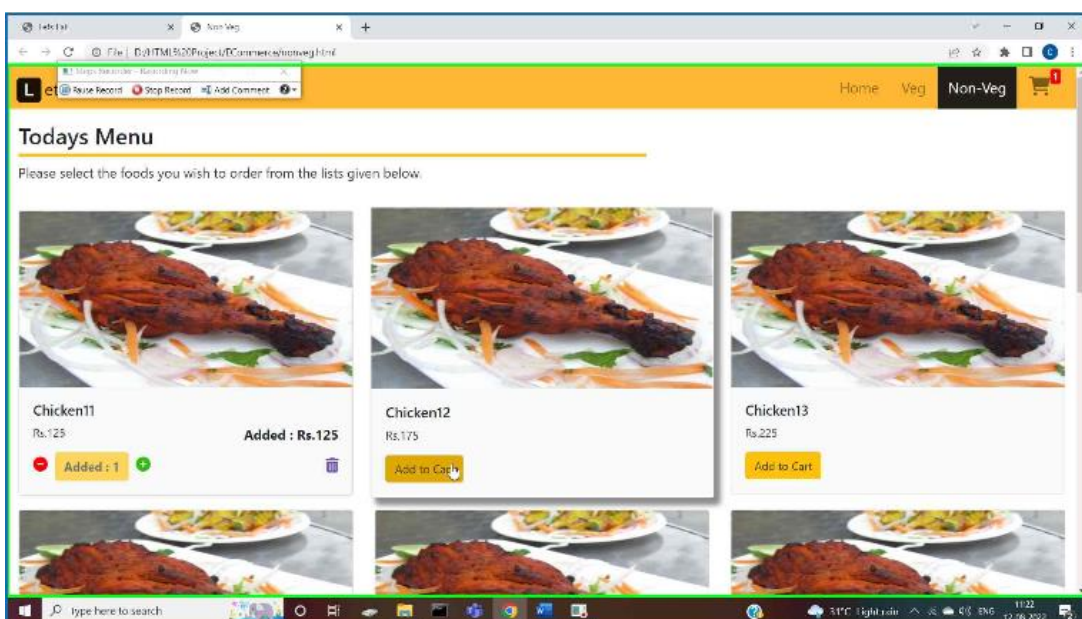
All the increment and decrement operations are controlled by using JavaScript. The button element is stored by using its id provided. Then the innerHTML is changed according to the plus, minus or trash icon whichever is clicked. The total cost of the order is also controlled in the same manner. The menu cards are also displayed

dynamically. So when a new food has to be entered, only a few array needs to be changed instead of the entire code.

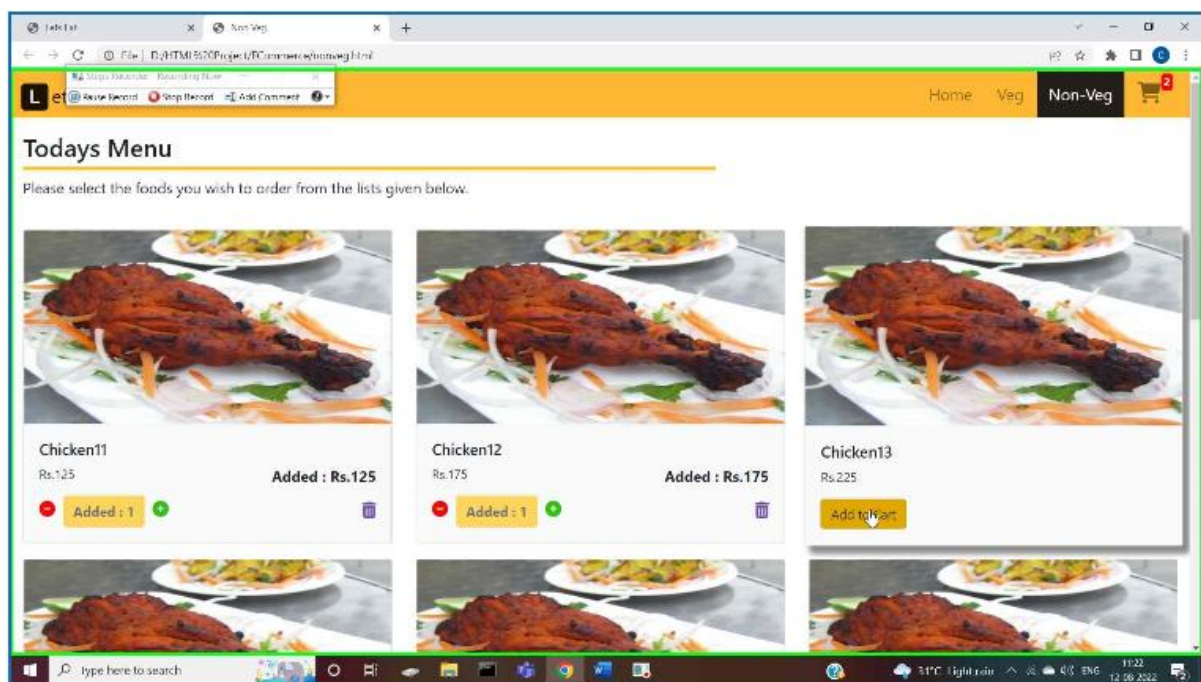
A detailed working with screenshots is shown below:



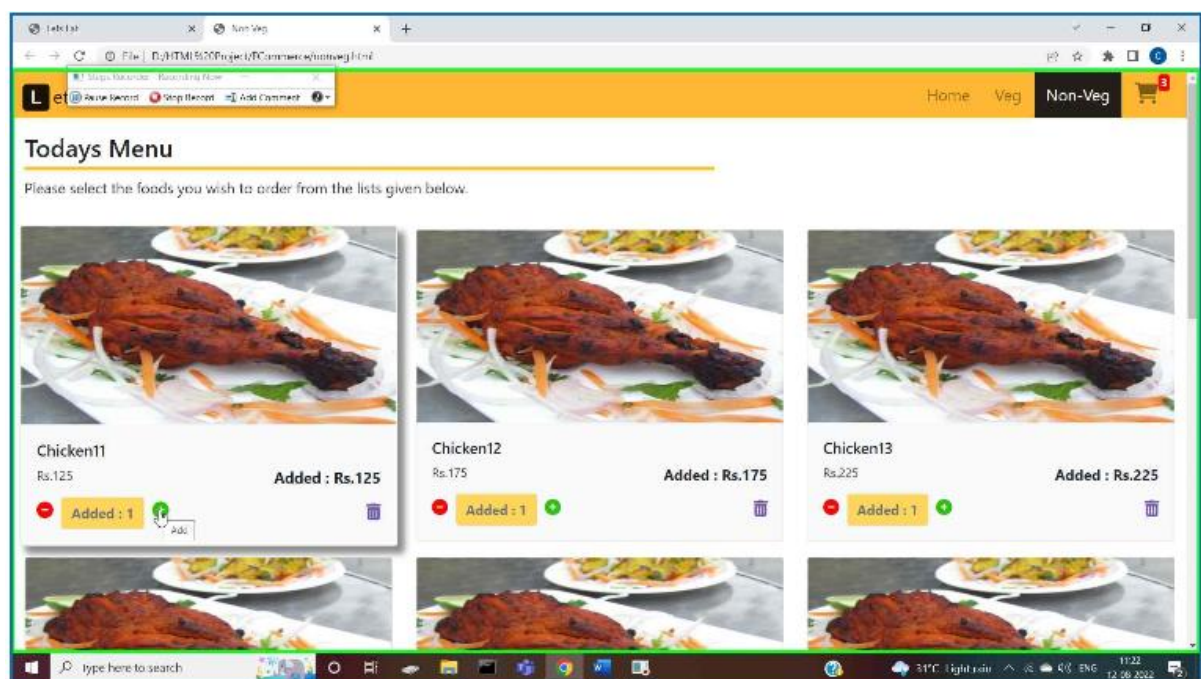
Initial view of the Non-Veg page. Clicking on Add to Cart of first item. This will add that element to the cart and a notification will be shown. The item will also display the number and cost of items ordered.



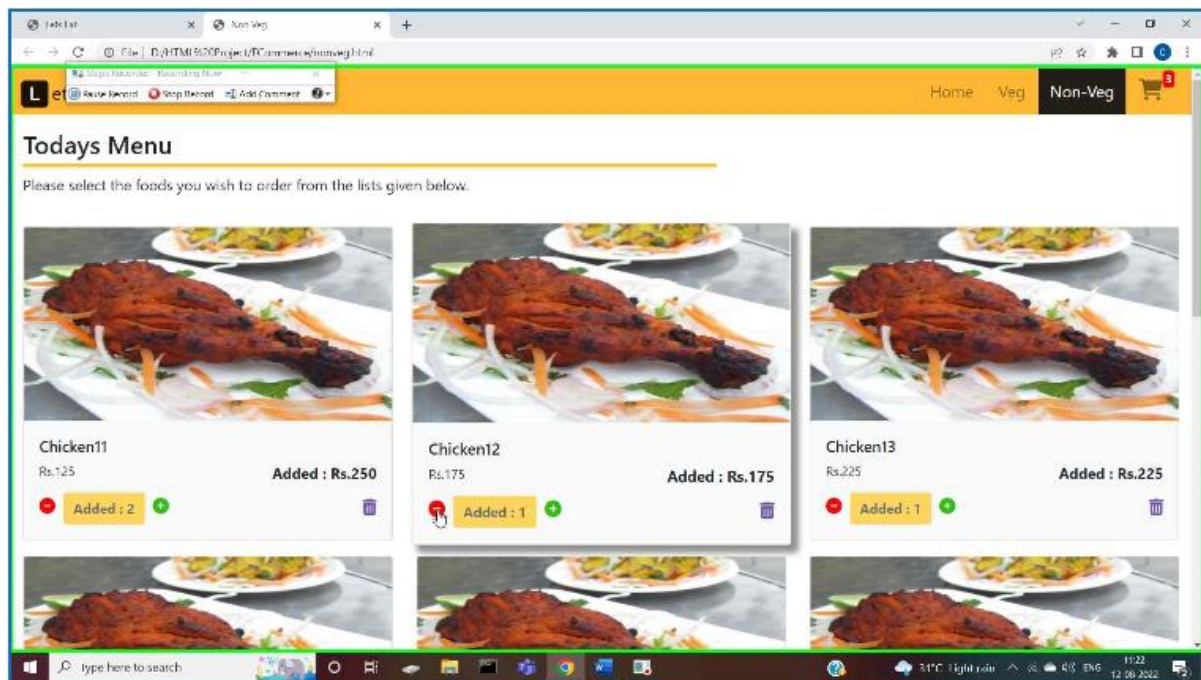
Adding another item. Cart notification will increase to 2.



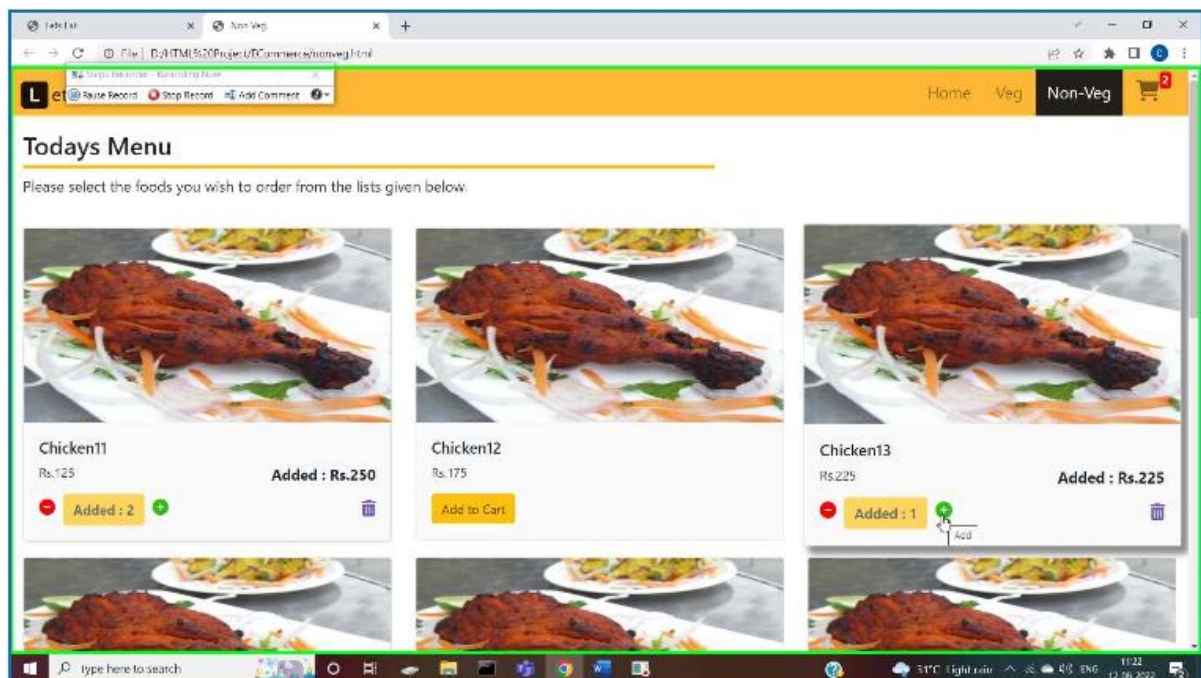
Adding a third item. Cart notification will increase to 3.



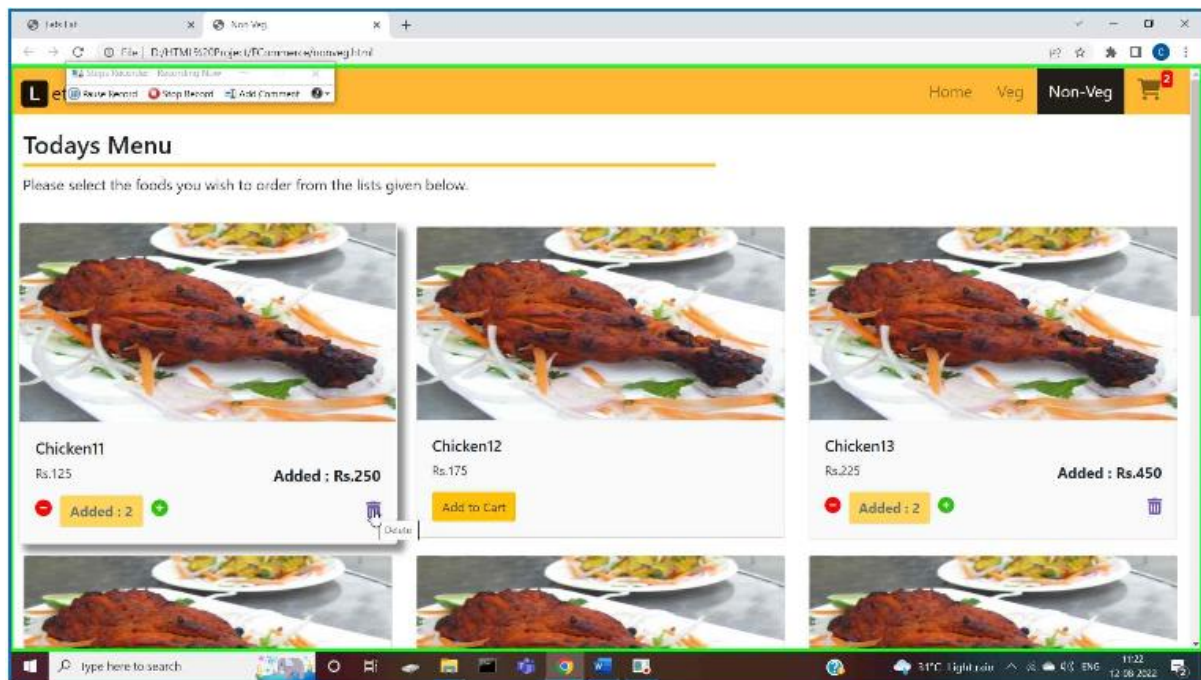
Adding another element to the first item ordered. This will increase the cost and number accordingly.



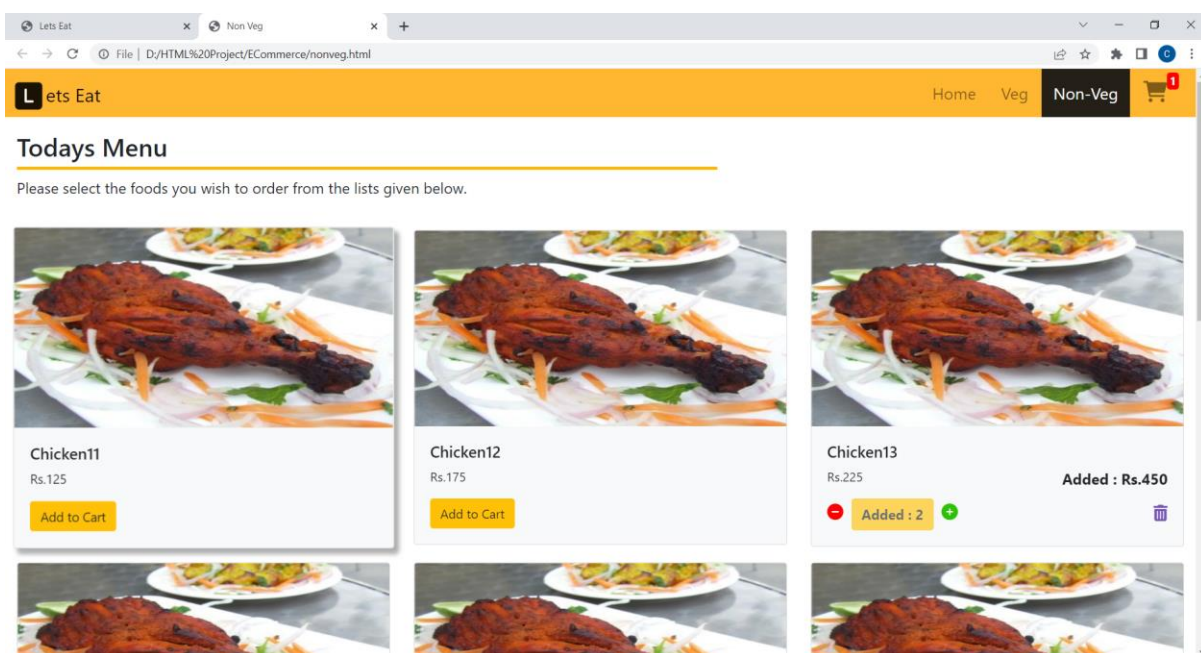
Decreasing one element from the second item. But this has only one element. So on clicking minus the item will be reset to 0. This will also decrease one element from the cart list and will be reflected in the notification.



Adding another element to the third item ordered. This will increase the cost and number accordingly.



Clicking on trash icon of first item. This will remove all of its orders and reset it to zero. This will also decrease one element from the cart and the notification value will decrease.



Final result after all the operations.

Cart

This page consists of:

1. Navigation Bar
2. Order list
3. Confirm Order button
4. Order confirmation modal
5. Alert box when no order is done
6. Footer

1.Navigation Bar:

This was created using bootstrap navbar class. This has the company name and logo on the left. The logo was created using font awesome icons. The right side of the bar contains four links – Home, Veg, Non-Veg and Cart. The link redirects the user to those respective pages. The page the user is currently on i.e., the active page is highlighted in black. The number of items in the cart is shown as notification on the cart icon.



2.Order list:

The order list is made by using bootstrap cards and the values are arranged using bootstrap grids using row and col classes. The first row shows the heading of the list. The rows after that contain details of the food ordered. It starts with the food image on the very left. It is followed by food name, number of items ordered with a plus, minus and trash icon. Next it contains total cost of that food. The list ends with total number of food items ordered and the overall cost of the orders.

L

ets Eat




Home

Veg

Non-Veg

3

Your Order

| Item image | Item description | Category | Item quantity | Item Cost(in Rs.) |
|---|------------------|----------|--|-------------------|
|  | Burger2 | Veg | <div><div>-</div><div>3</div><div>+</div><div></div></div> | 450 |
|  | Chicken13 | NonVeg | <div><div>-</div><div>2</div><div>+</div><div></div></div> | 450 |
|  | Chicken12 | NonVeg | <div><div>-</div><div>1</div><div>+</div><div></div></div> | 175 |
| | | | Total : 6 | Total : Rs.1075 |
| <div>Confirm Order</div> | | | | |





3. Confirm Order Button

There is a confirm order button below the order list created using button class of bootstrap. On clicking the button a modal will be shown asking for confirmation of order.

4. Order Confirmation Modal

The order confirmation modal is created using modal class of bootstrap. There are two modals used in this page.

- 1) The first modal is a simple confirmation of the order. This will ask whether the user is sure to order the following items. It contains two buttons Yes and No. The No button cancels the modal and the user can make necessary changes to the orderlist. The Yes button confirms the order and creates a bill for the user. The bill will be popped up in another modal

| Item image | Item description | Category | Item quantity | Item Cost(in Rs.) |
|---|------------------|---|--|-------------------|
|  | Burger2 | <div>Veg</div> | <div><div>-</div>3<div>+</div><div></div></div> | 450 |
|  | Chicken13 | <div>Confirmation<div>×</div><div>Are you sure you want to order this Once ordered the list cannot be changed</div><div><div>Yes</div><div>No</div></div></div> | | 450 |
|  | Chicken12 | | | 175 |
| | | | | |
| | | | Total : 6 | Total : Rs.1075 |
| <div>Confirm Order</div> | | | | |

- 2) The second modal consists of a detailed bill or invoice for the user. This has several sections. The first section contains name and details of the company. The second part contains details about the user- their name, address, order date and time and bill number. The date and time is generated using Date() class of JavaScript. The bill number is a randomly generated number. This is followed by a table which specifies the orders done by the user. This is created using table class of bootstrap. The table ends with the total number of orders and overall cost of orders. The bill ends with a THANK YOU message and a small declaration.

Your Orders

Lets Eat

71B R.K. Chatterjee Lane

Kasba Bakultala, Kol-041

(+91)9988776655

swapnilchowdhury00@gmail.com

John Doe

71B R.K. Chatterjee Road Kasba Bakultala Kolkata-700041

johndoe@gmail.com

#573

Order date : 12 August 2022

Order time : 12:50:15

| # | Description | Quantity | Cost(in Rs.) |
|---------|-------------|----------|--------------|
| 1 | Burger2 | 3 | 450 |
| 2 | Chicken13 | 2 | 450 |
| 3 | Chicken12 | 1 | 175 |
| TOTAL : | | | 61075 |

Print

Close

Your Orders

Kasba Bakultala, Kol-U41

(+91)9988776655

swapnilchowdhury00@gmail.com

John Doe

71B R.K. Chatterjee Road Kasba Bakultala Kolkata-700041

johndoe@gmail.com

#573

Order date : 12 August 2022

Order time : 12:50:15

| # | Description | Quantity | Cost(in Rs.) |
|-----------|-------------|----------|--------------|
| 1 | Burger2 | 3 | 450 |
| 2 | Chicken13 | 2 | 450 |
| 3 | Chicken12 | 1 | 175 |
| TOTAL : 6 | | | 1075 |

🍔

THANK YOU!

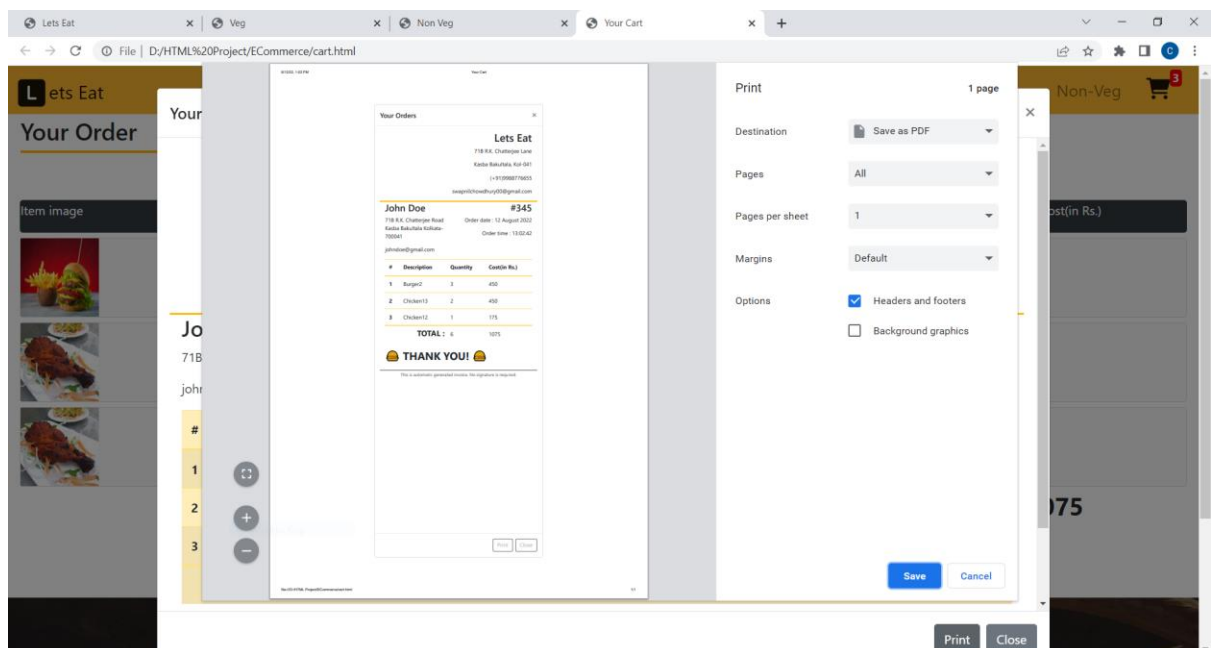
🍔

This is automatic generated invoice. No signature is required.

Print

Close

When print is clicked it will print the modal.

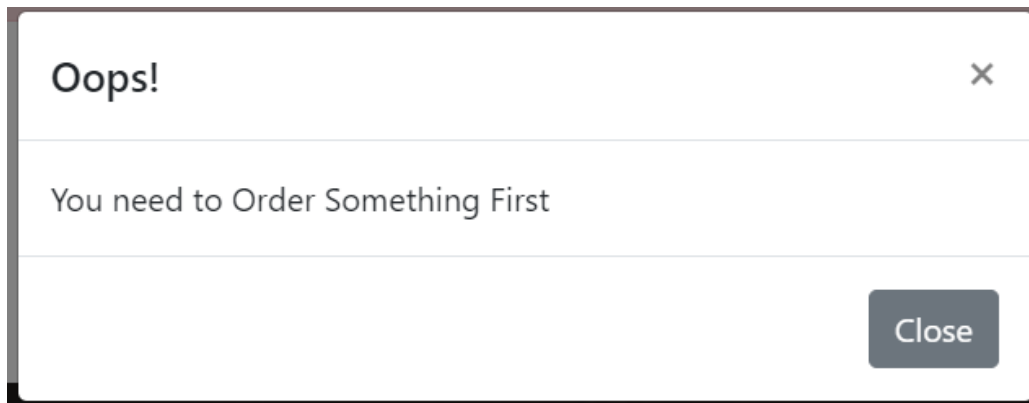


5.Alert box (when no order is done)

This is created using alert class of bootstrap. Whenever there will be no items in the cart then an alert will be shown that there is no items and will prompt the user to buy something first.

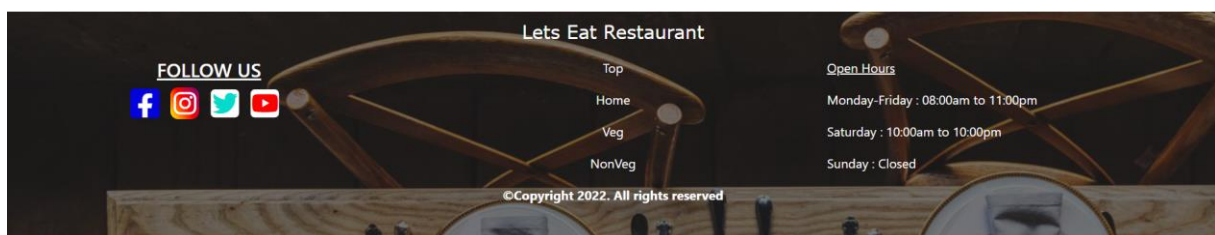
| Item image | Item description | Category | Item quantity | Item Cost(in Rs.) |
|---|------------------|----------|---------------|-------------------|
| There is no item in your cart. Consider ordering something. | | | | |

It is to be noted that if confirm order is pressed now then it will give a warning that there is no item in the cart.



6. Footer

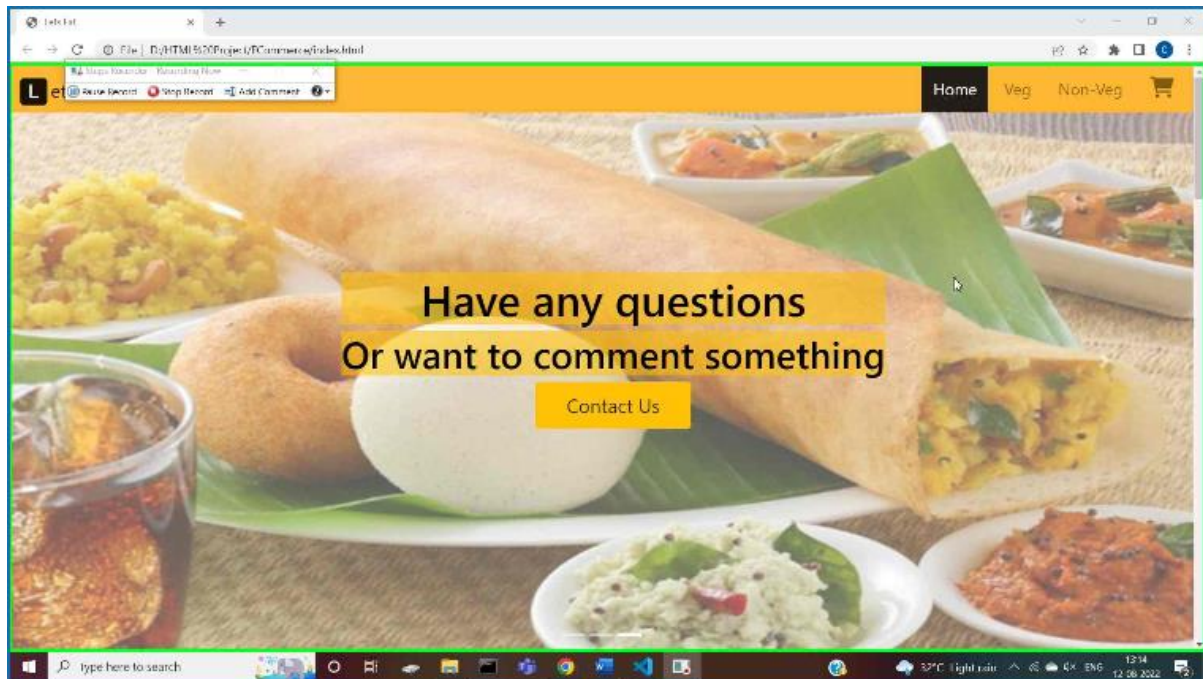
The footer has a background image. It consists of the name of the restaurant. It has four social media icons which redirects the user to the social media pages of the restaurant. It has links to redirect the user to other specific pages. It also contains the hours the restaurant remains open. The footer end with the copyright declaration.



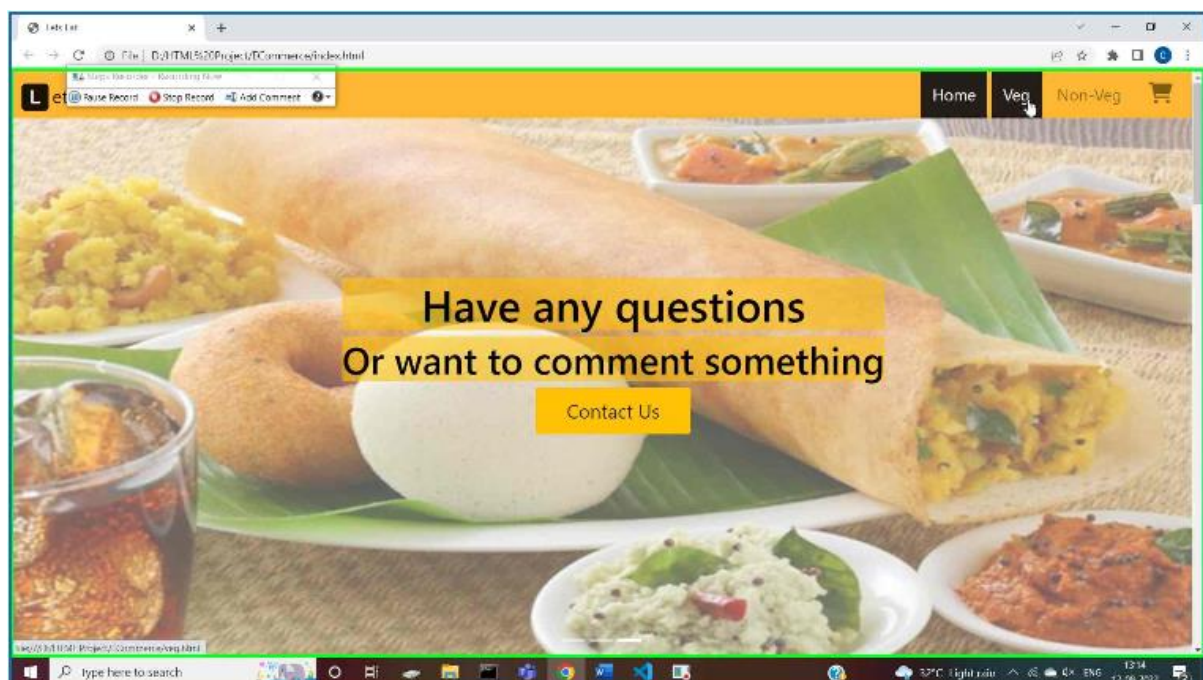
Full Working

The following describes a full working of the website on a user's point of view.

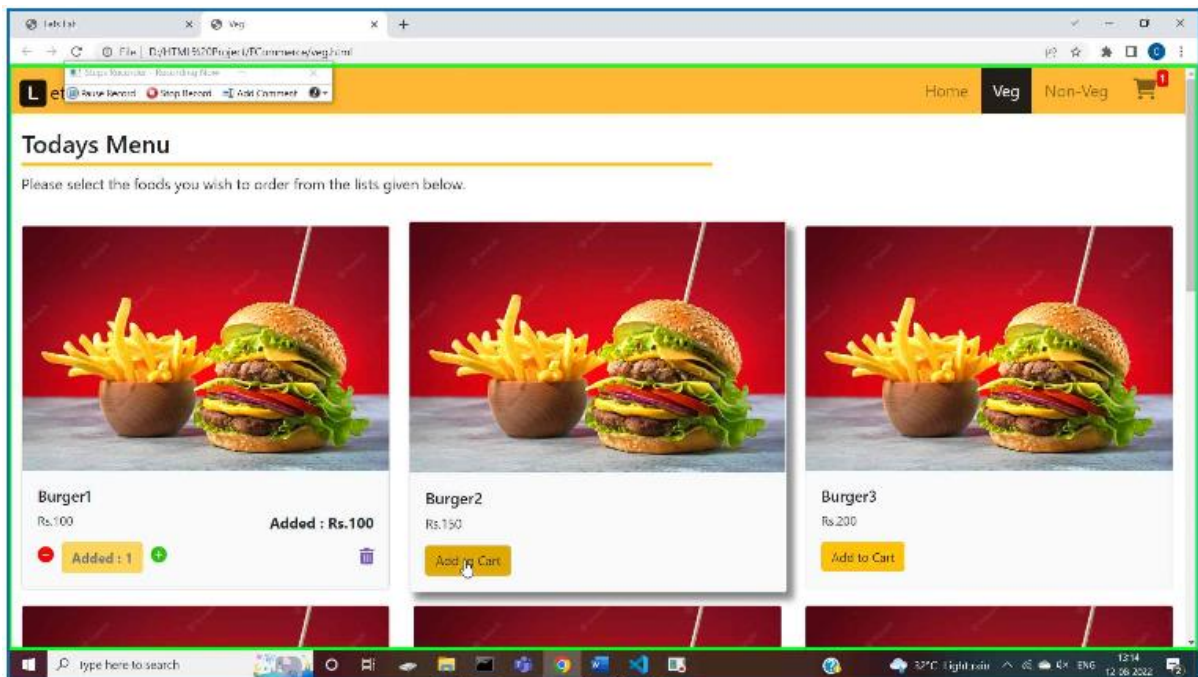
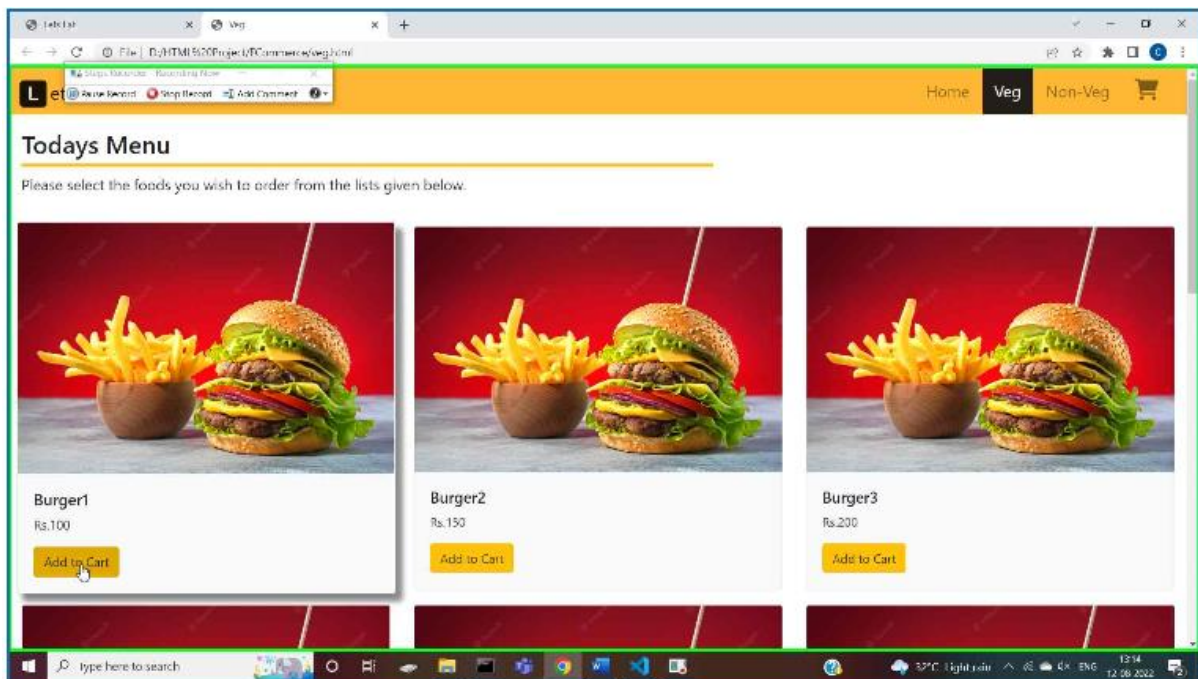
1.The user for the first time loads the main website page.

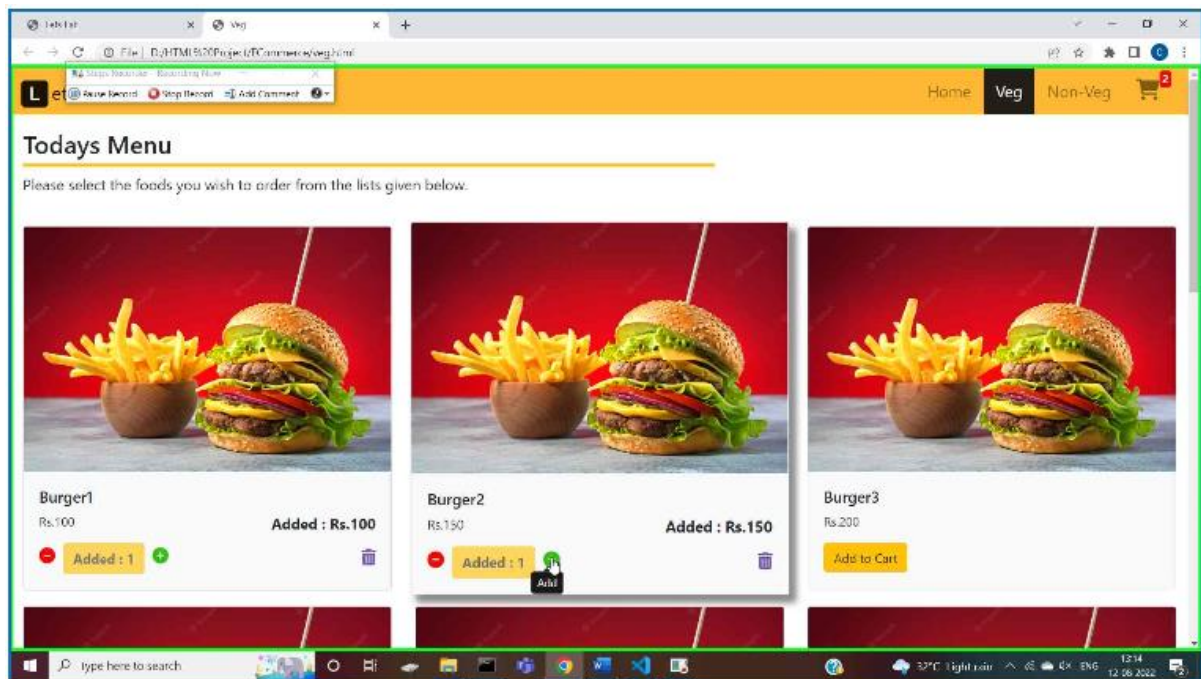


2.Moving to Veg section to order some foods.

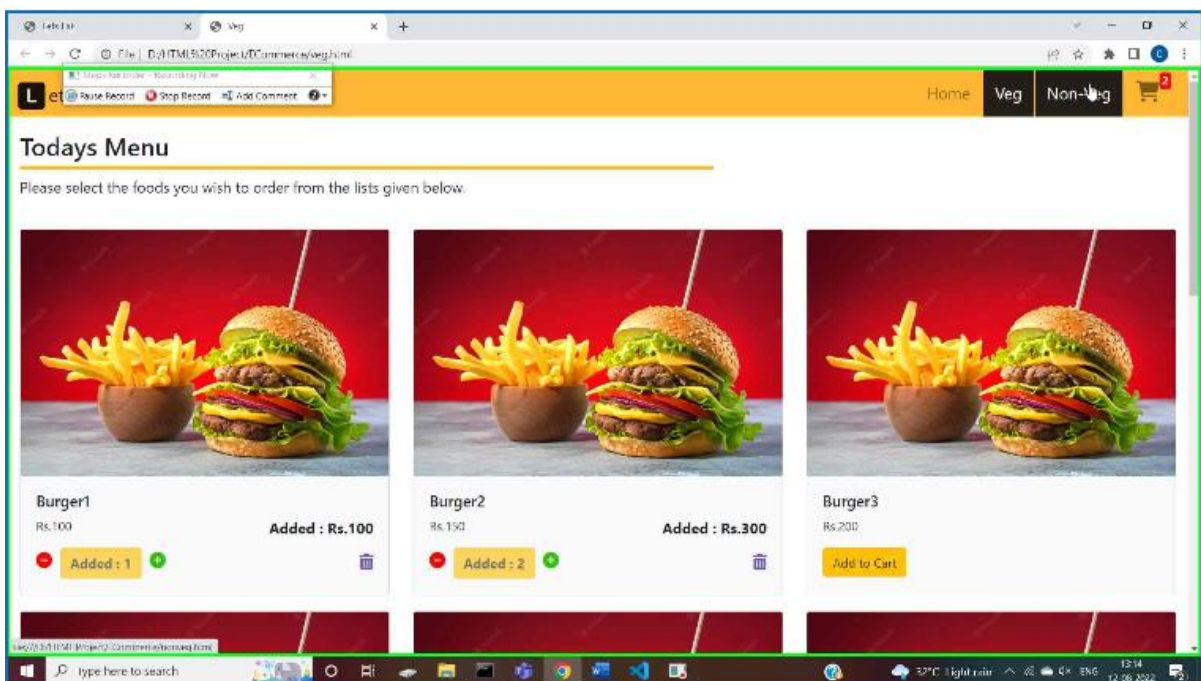


3.Ordering one Burger1 and two Burger2.

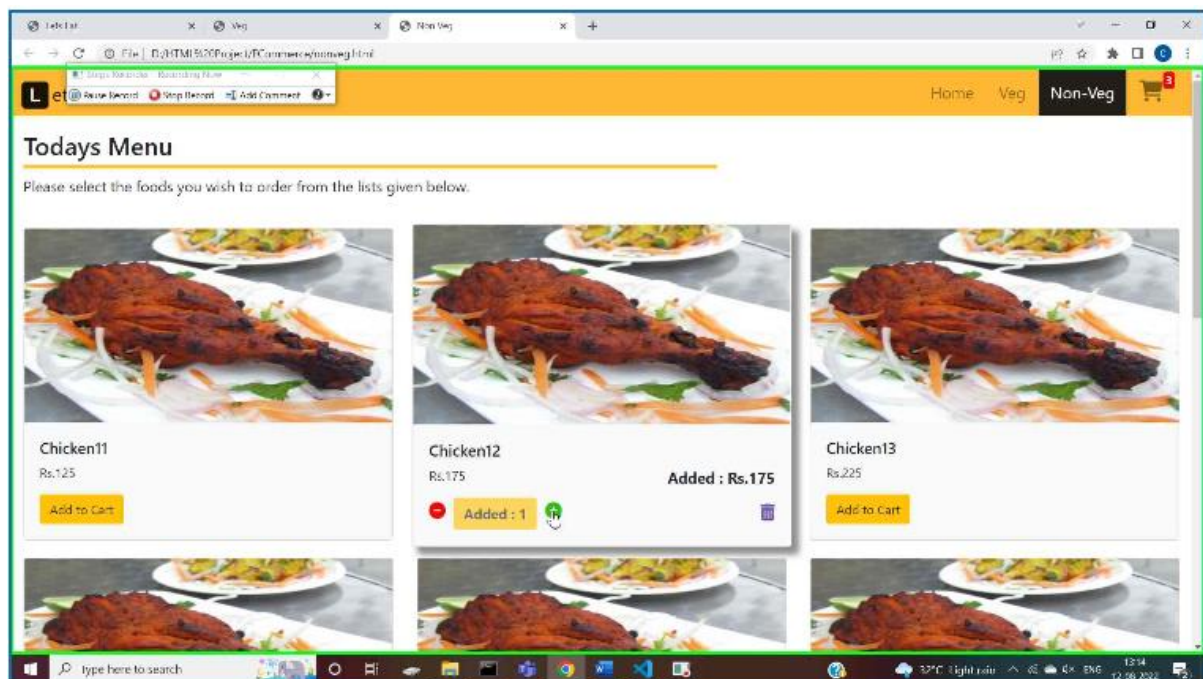
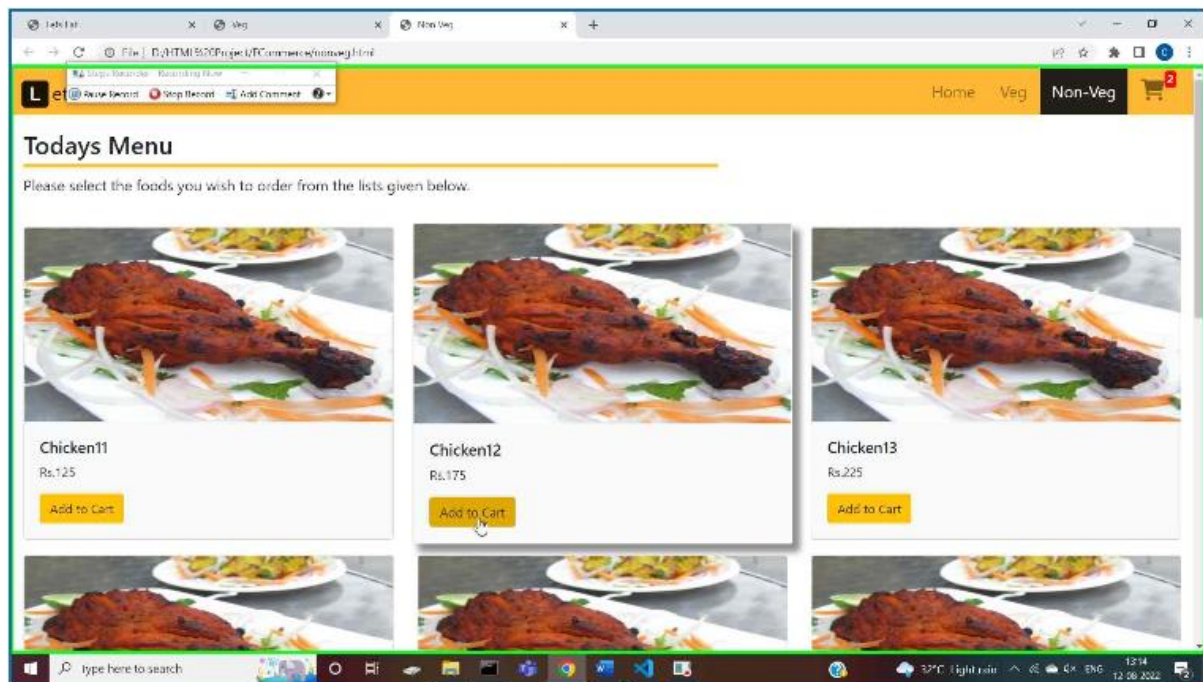




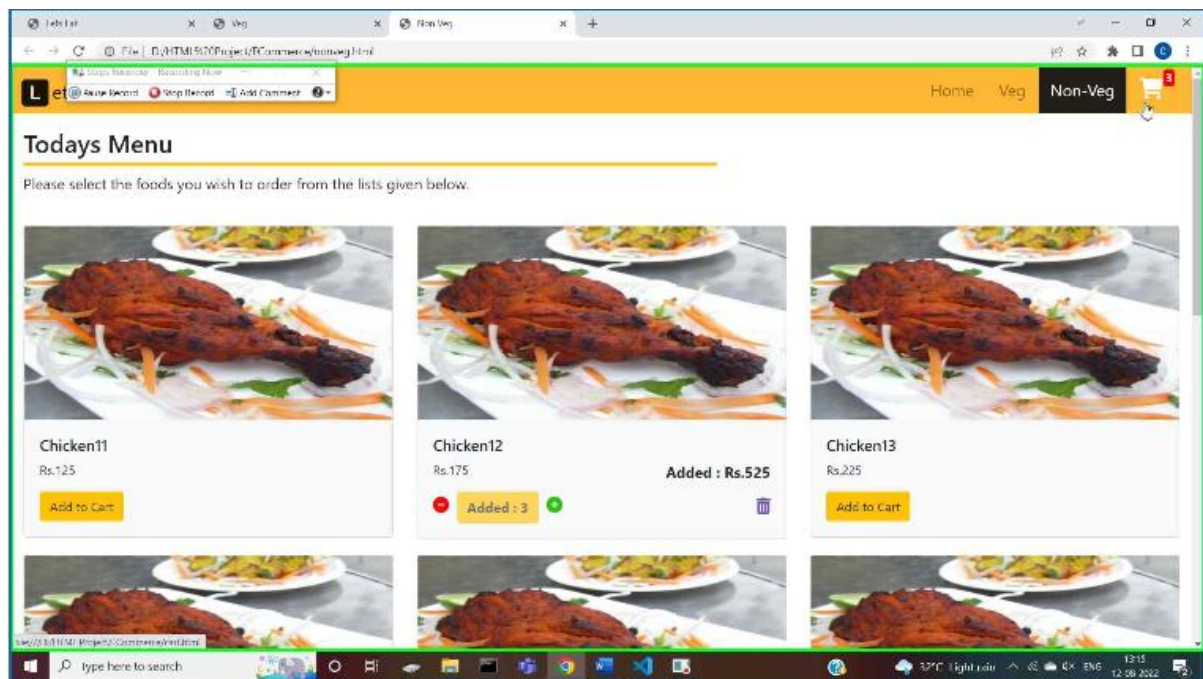
4.Now moving to the non veg section to order something



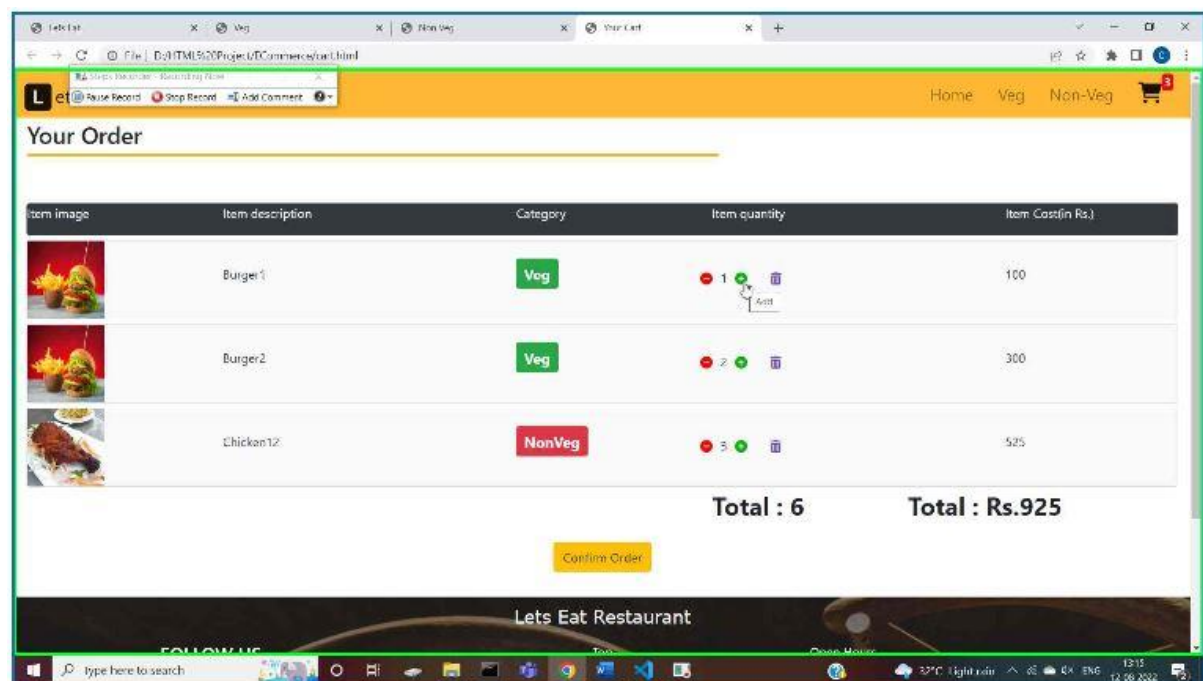
5.Now ordering three Chicken12

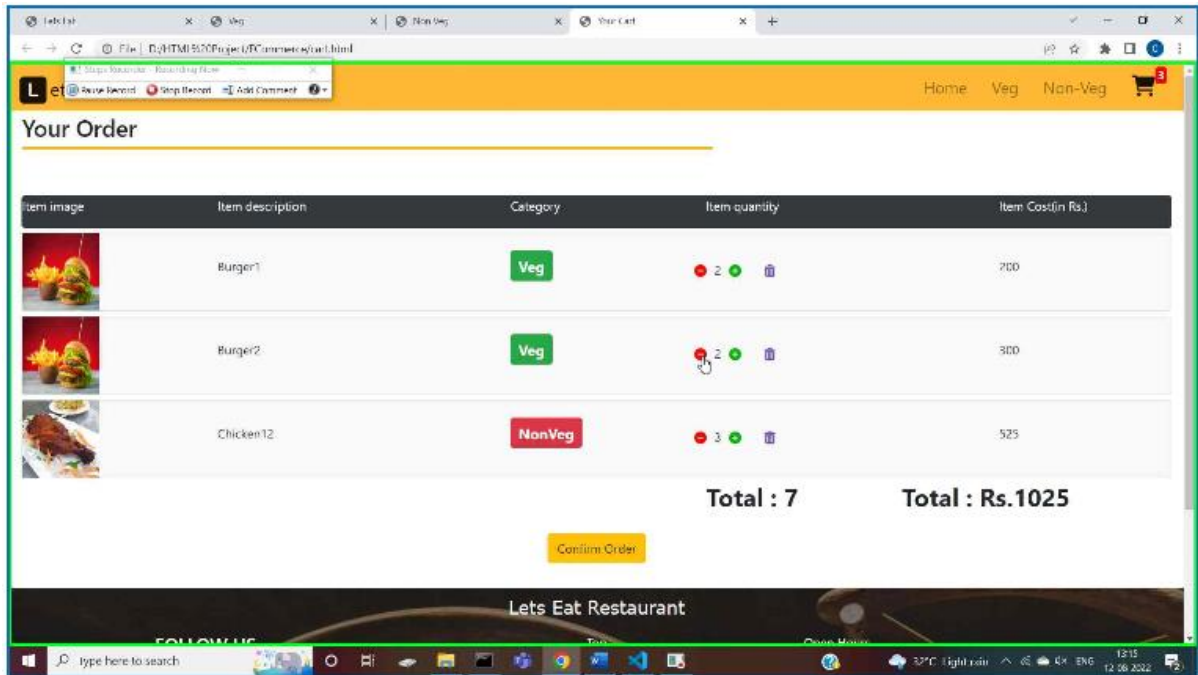


6.Going to cart to confirm orders

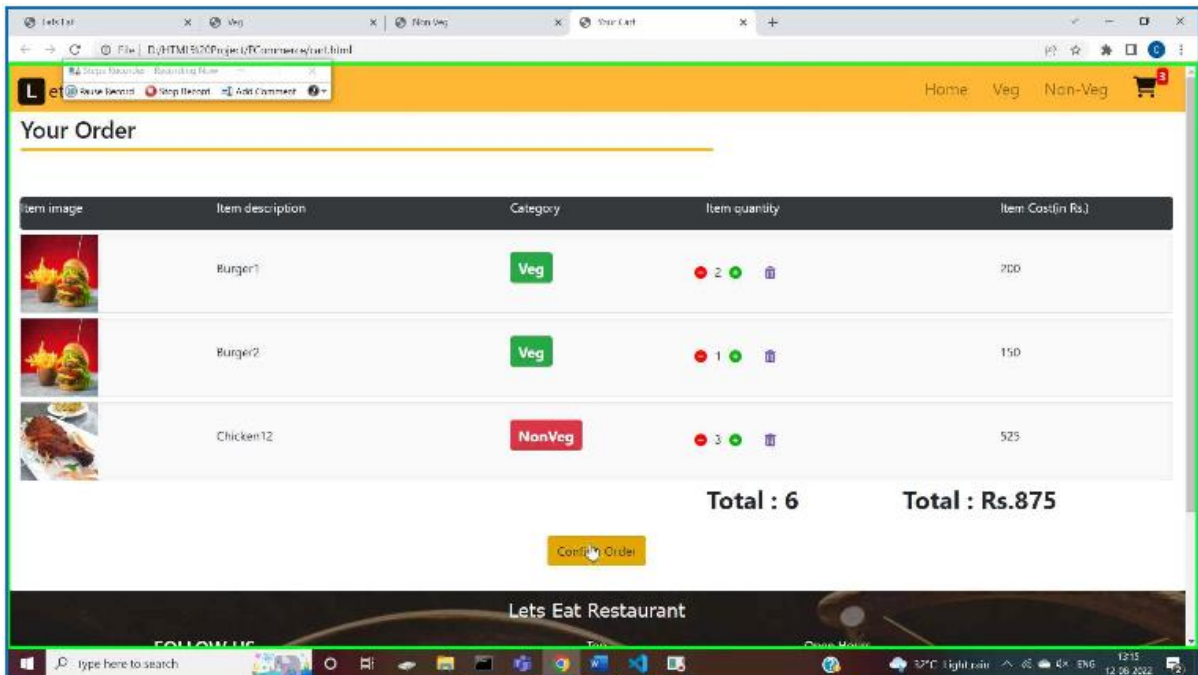


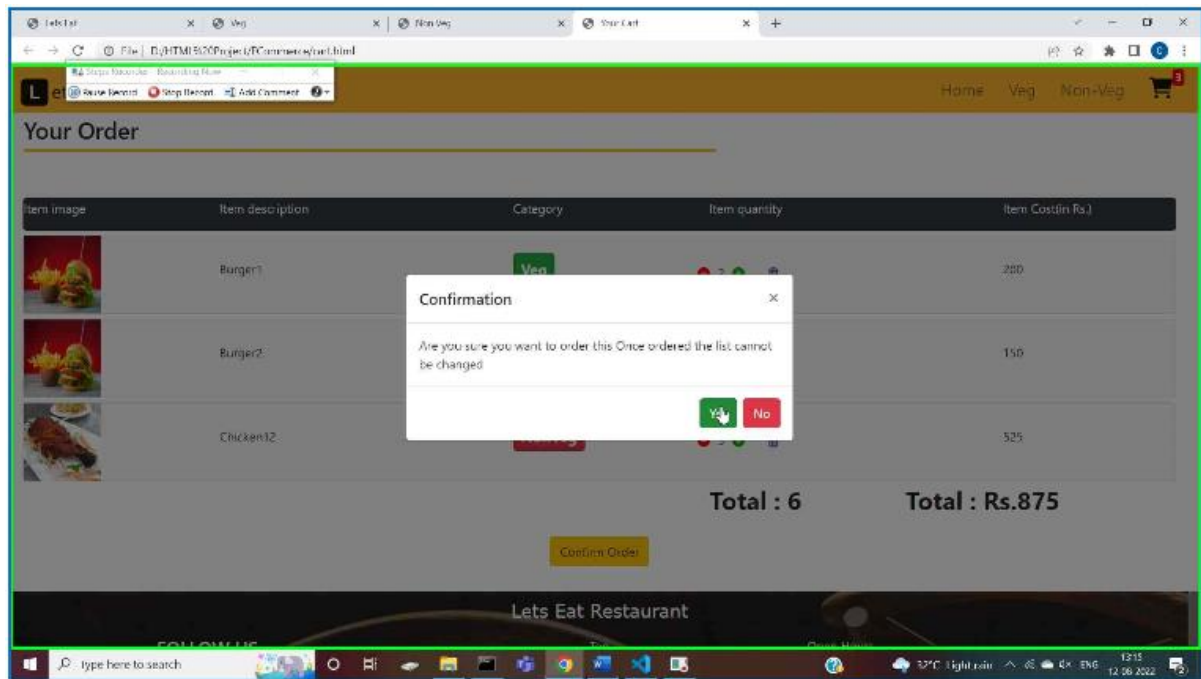
7.Increasing one of Burger1 and decreasing one from Burger2



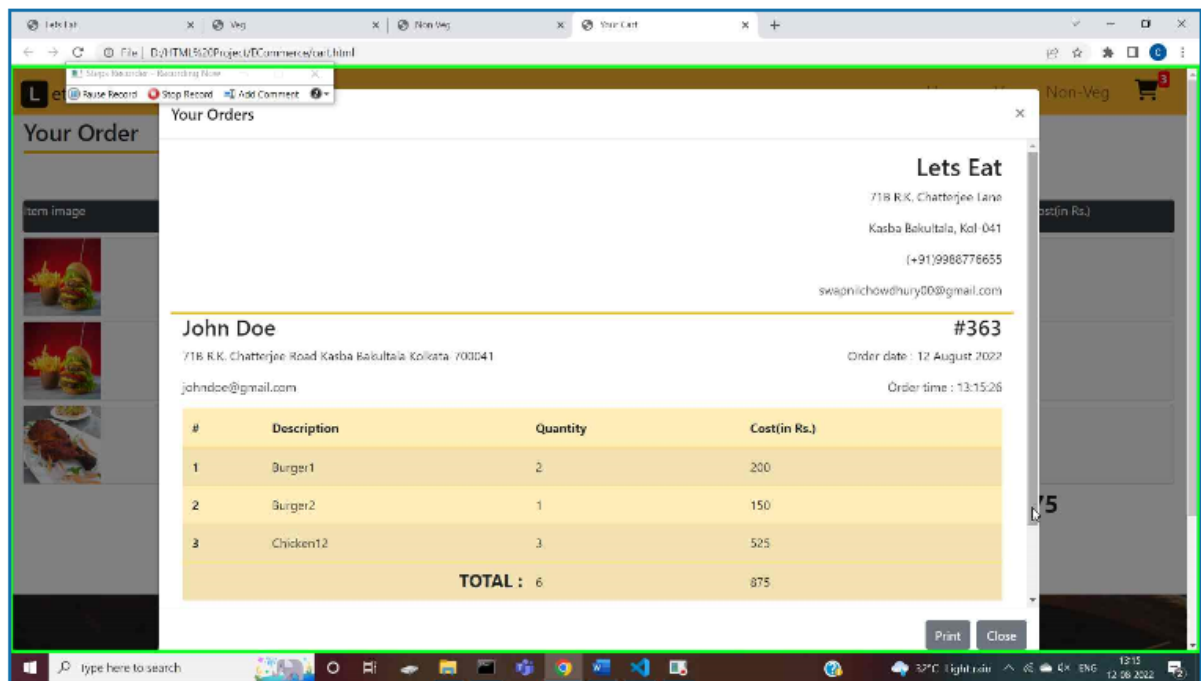


8. Confirming Order

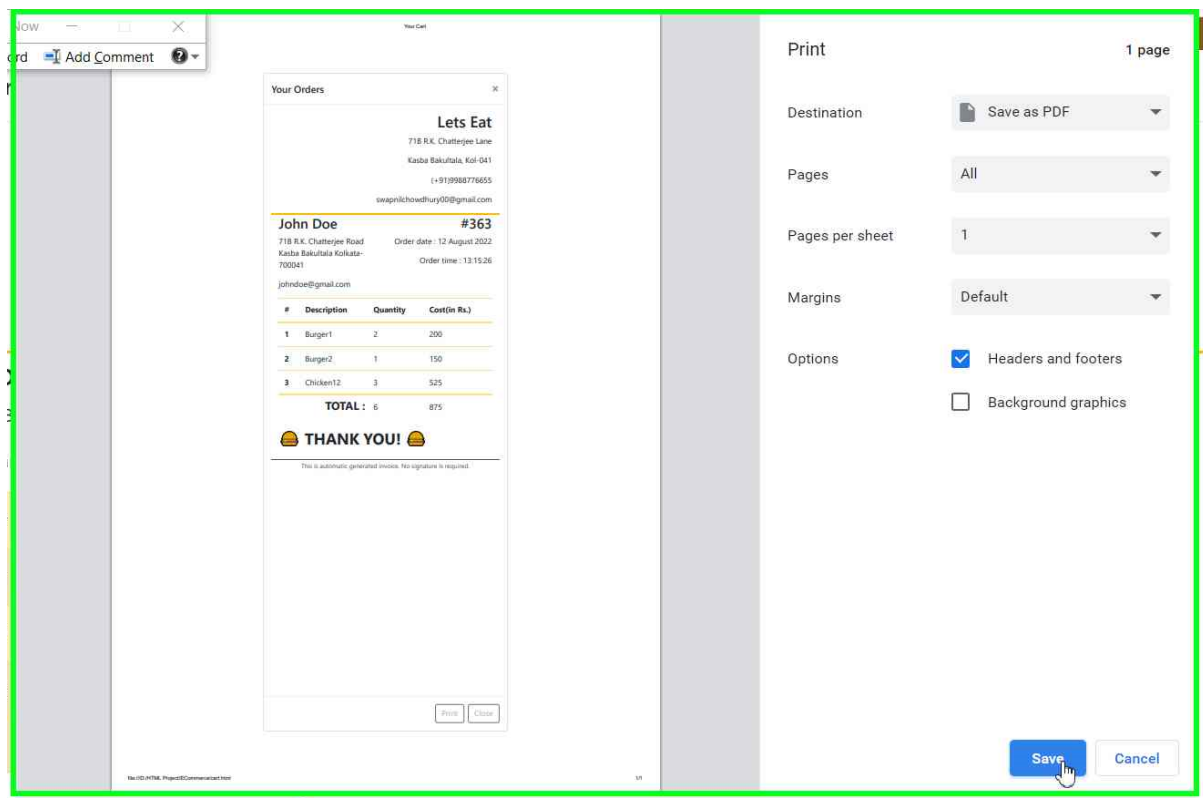
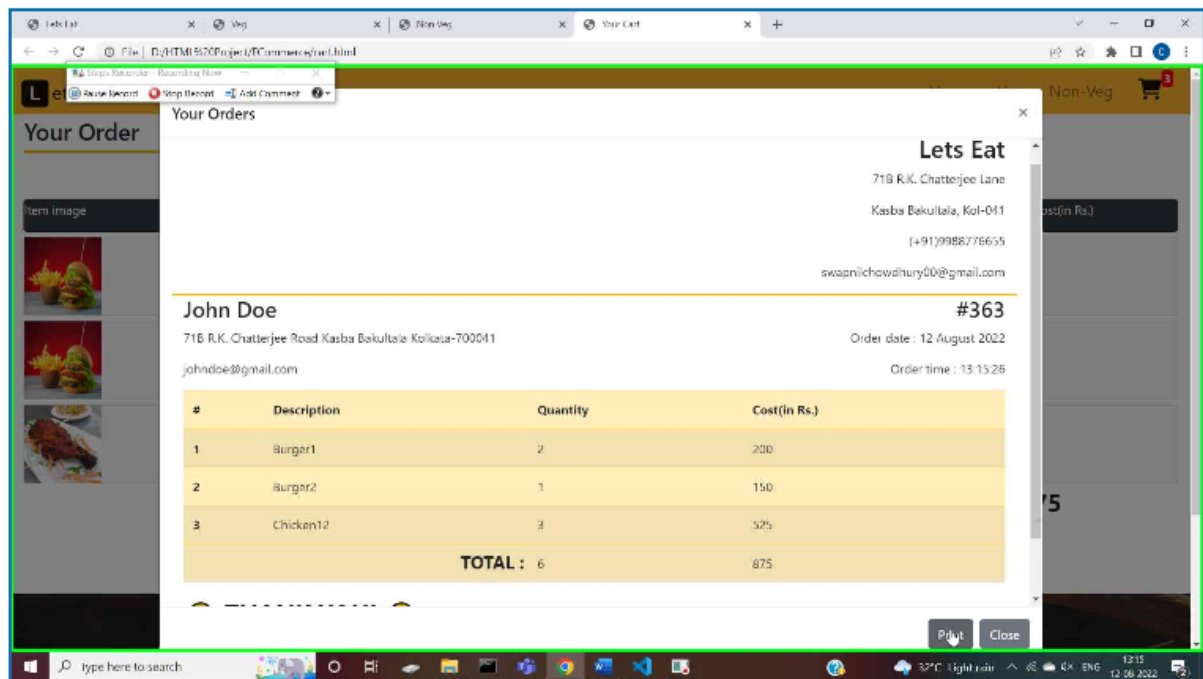




9.Generated bill.



10. Printing the bill



CONCLUSION (WHAT I HAVE LEARNT)

Through this project I have learnt a lot of new things. I have learnt lot of new tags in HTML. I have learnt to where and when to apply which type of CSS. I have learnt Bootstrap from scratch. Also, I have learnt to use JavaScript efficiently while making an HTML Project.