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Faculty of Science and Technology
Dept. of Information and Communication Technology
Web Technologies Laboratory (ICE-3210)

Project Title: Bengali Food Restaurant

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Abstract:

বাঙালিয়ানা ভোজ is a Bengali restaurant online website with necessary features. The features are: user can order food from home using their phone number, admin can update the database of the restaurant, featured products are available using slider, food description with picture, food menu is well categorized with images and prices, restaurant location is available in the website in the footer section using google map, Facebook and YouTube channel are also connected with this website, user can know about the opening hour and contact with us form this website easily. The dishes are Bengali cuisines and can be ordered from home. Moreover, the customers can give their valuable feedback. Based on which the website will be improved with changed functionalities. For front-end development, HTML and CSS have been used, while for back-end development PHP, XAMPP and MySQL are used.

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Section 1: Introduction

The website is intended to facilitate the management system of a restaurant called বাঙালিয়ানা ভোজ. The purpose of this website is to satisfy the customer's desires. The website has the scope to be integrated into the management of any website. The website will contribute to the comfort of the customer's getting an authentic taste of Bengali food right at his doorstep whenever he is in need.

Section 2: Methodology

The project is made by using HTML, CSS, JavaScript and Bootstrap v5.3.0 for front-end development and PHP, XAMPP and MySQL for back-end development and database operation. There are multiple web pages on this website. All the webpages have a 'Home' button to redirect to the homepage. There is a navigation bar in every webpage. So that, user can go to any webpage easily. The 'available foods' webpage will show the details with picture of Bengali foods at the restaurant. The most favorite meals of the customers will be suggested on the webpage 'Featured Product'. The customers can leave their opinions related to services and food quality on the webpage 'Contact Us'. Based on the opinions collected from the contact webpage, new food items will be added to the menu in the restaurant and listed on the website through the webpage 'Add Product'. Finally, a new customer entering the website can choose from any meal in the webpage 'Food Menu', where for the ease of the customers, the food has been classified into the sections like 'Breakfast', 'Lunch and Dinner' and 'Dessert'. While doing this project we faced some difficulties. Especially implementing the database in this website and connecting it properly. Then we learn PHP and solve the problem nicely. Another difficulty was applying regular expression in the form and show warning while giving wrong input in the forms. That was solved by applying JavaScript.

Section 3: Design

How this project was designed with required functionalities is shown below using ER diagram:



Section 4: Implementation

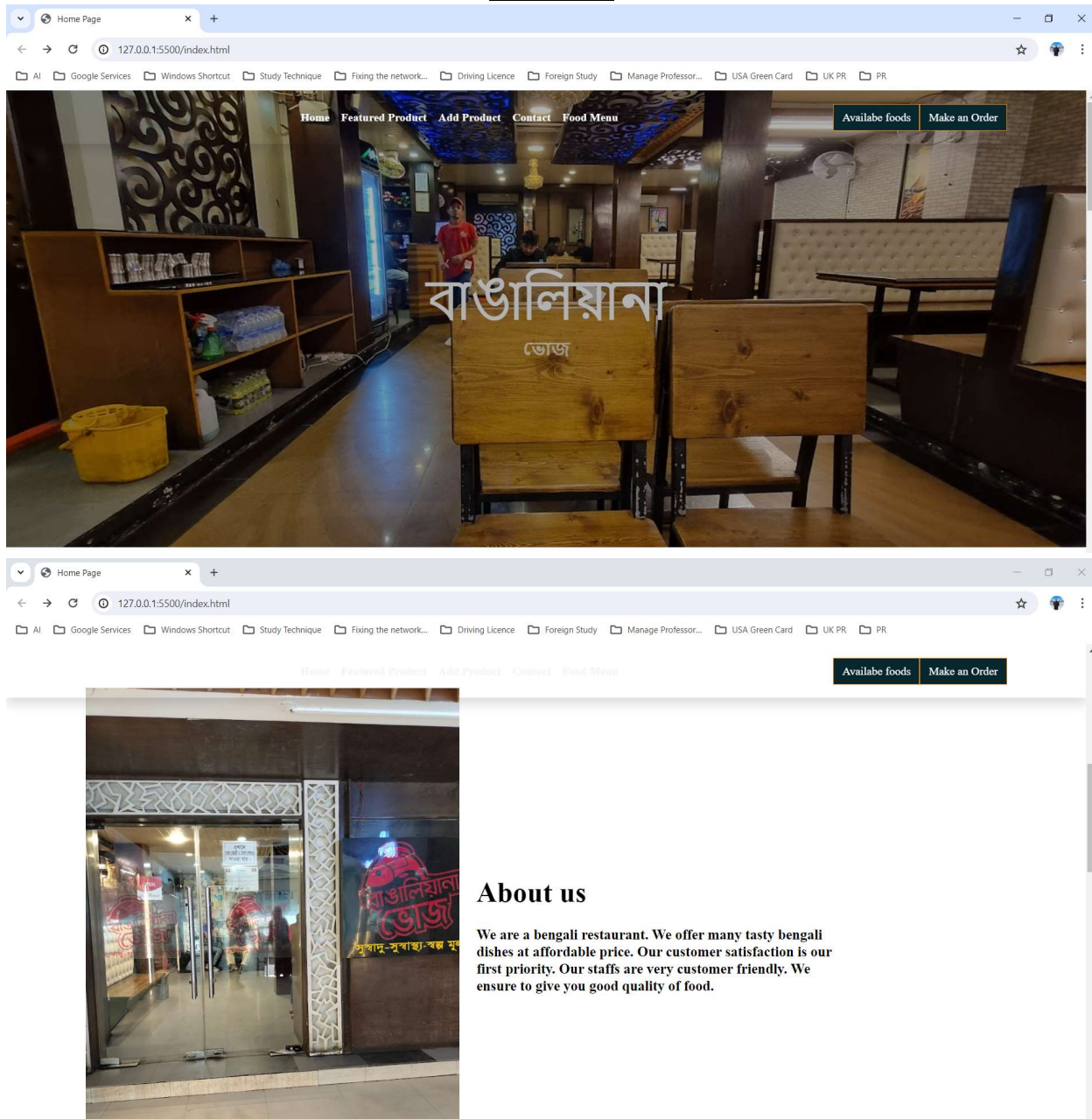
In the Home page of the website firstly, we have used an about us section that tells customers about our restaurant. Secondly, we have discussed the reason why customers will choose our restaurant. The reason is some special facilities including, Free Wi-Fi, Fast home delivery, Friendly staff. We have also specified the opening hours of our restaurant. We also added our location through text and attached our phone number and email address. Moreover, we added the google map location of restaurant in the footer section. Lastly, we added Facebook and YouTube links to connect us easily and get the latest update so fast.

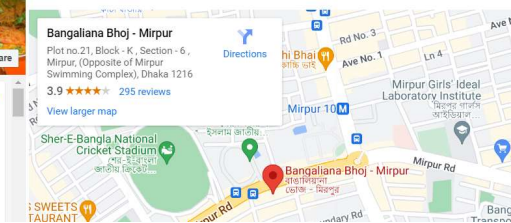
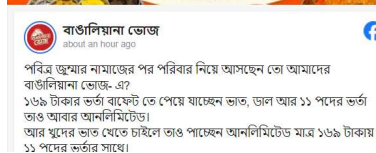
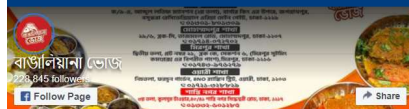
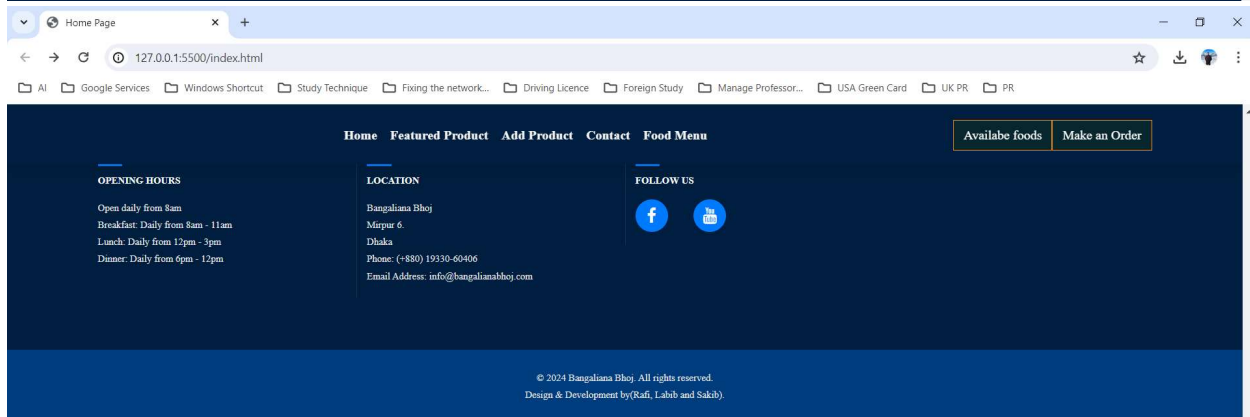
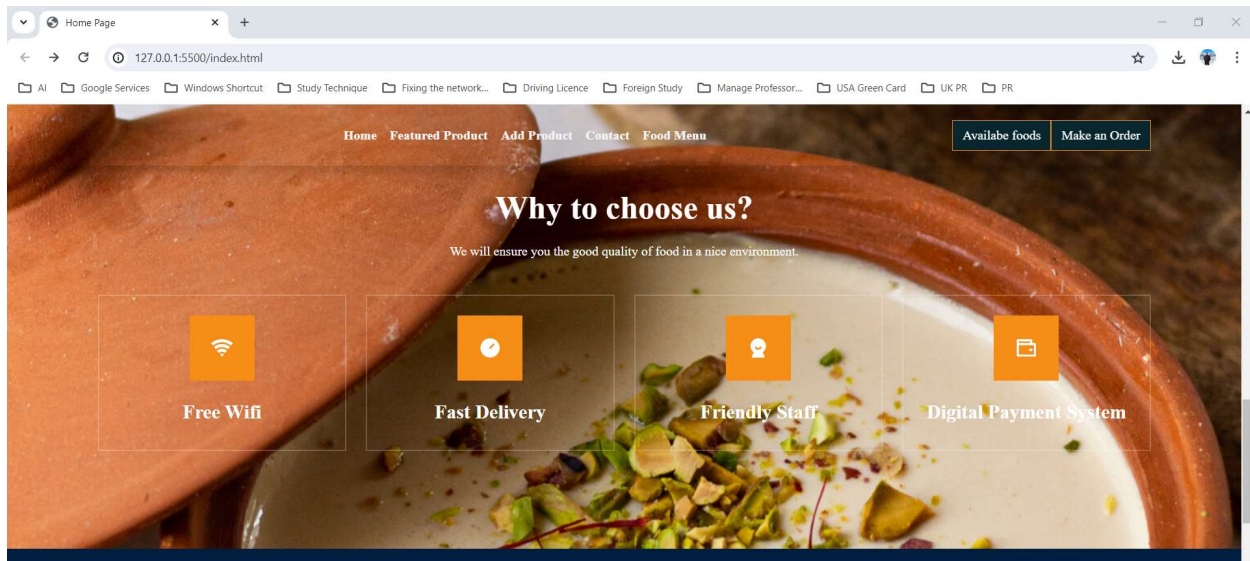
In the Food Menu section, we have categorized the foods into Breakfast, Lunch and Dinner, Dessert, Drinks section. In the homepage and Food Menu page we have used HTML, CSS and Bootstrap v5.3.0 for making our pages attractive and responsive. In the contact page user can give their valuable feedback by giving their Name, Phone Number, Email etc. We have connected a database with this page so that we can store the feedback. For this we used HTML, CSS, JS, PHP and XAMPP. By using the PHP, we have connected the XAMPP MySQL database with this page. Also using JS we added regular expressions so that user can give only the correct input in the contact page. We have added an Add Product webpage for the admin to add new products to the database. Here admin must enter the product name, category, and manufacturing date then he can add it in the database. For this purpose, we have implemented HTML, CSS, JS, PHP and XAMPP. In our website there is a nice webpage named Featured Products. In this page we have a slider that shows the most liked products by the customers. Customers can go to the previous image and next image by slider buttons in the right and left of the images. Also, this slider changes the image after every 5 seconds. That's why we added timer using `setInterval(nextSlide, 5000)` function in JavaScript file. In the Available foods page, we have given the food description along with related images. Lastly in the Make an Order page we have added some option for customers so that they can order their desired food from home throw online by giving some identity information like, Name, Food Name, Phone Number, Quantity. For this purpose, we have implemented HTML, CSS, JS, PHP and XAMPP with MySQL database.

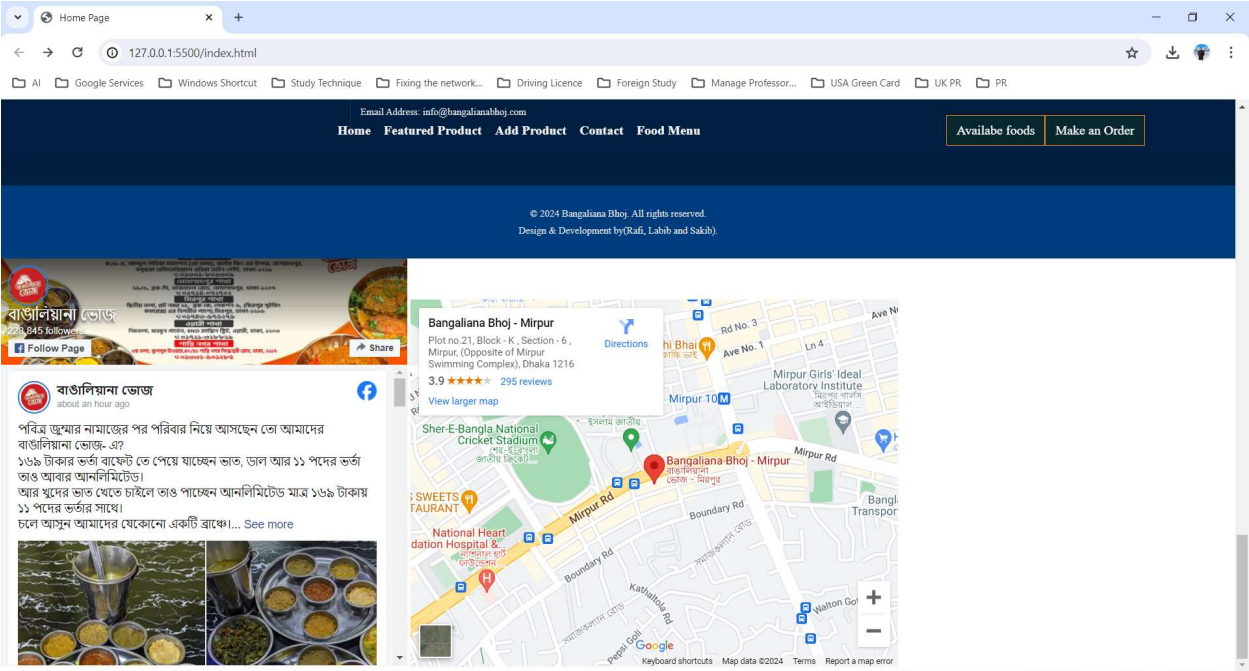
Section 5: Result

Presentation of the project Ui are given below with the page name attached above:

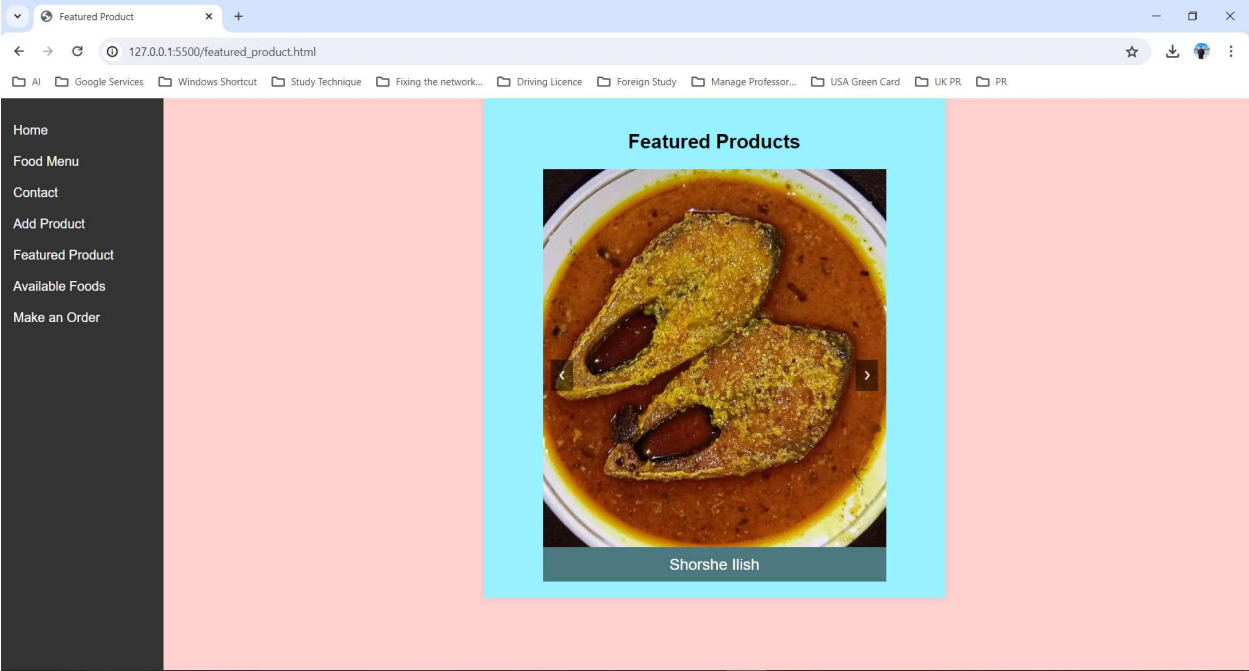
Home Page







Featured Product Page



Food Menu Page

Food Menu


127.0.0.1:5500/food_menu.html


AI, Google Services, Windows Shortcut, Study Technique, Fixing the network..., Driving Licence, Foreign Study, Manage Professor..., USA Green Card, UK PR, PR


Home, Food Menu, Contact, Add Product, Featured Product, Available Foods, Make an Order


Food Category


Breakfast

11 jater vorta ₹ 160

Sobji Kichuri ₹ 60

Ruti ₹ 10

Porota ₹ 20


Buter Dal ₹ 20


Food Menu


127.0.0.1:5500/food_menu.html


AI, Google Services, Windows Shortcut, Study Technique, Fixing the network..., Driving Licence, Foreign Study, Manage Professor..., USA Green Card, UK PR, PR


Home, Food Menu, Contact, Add Product, Featured Product, Available Foods, Make an Order


Sobji ₹ 15

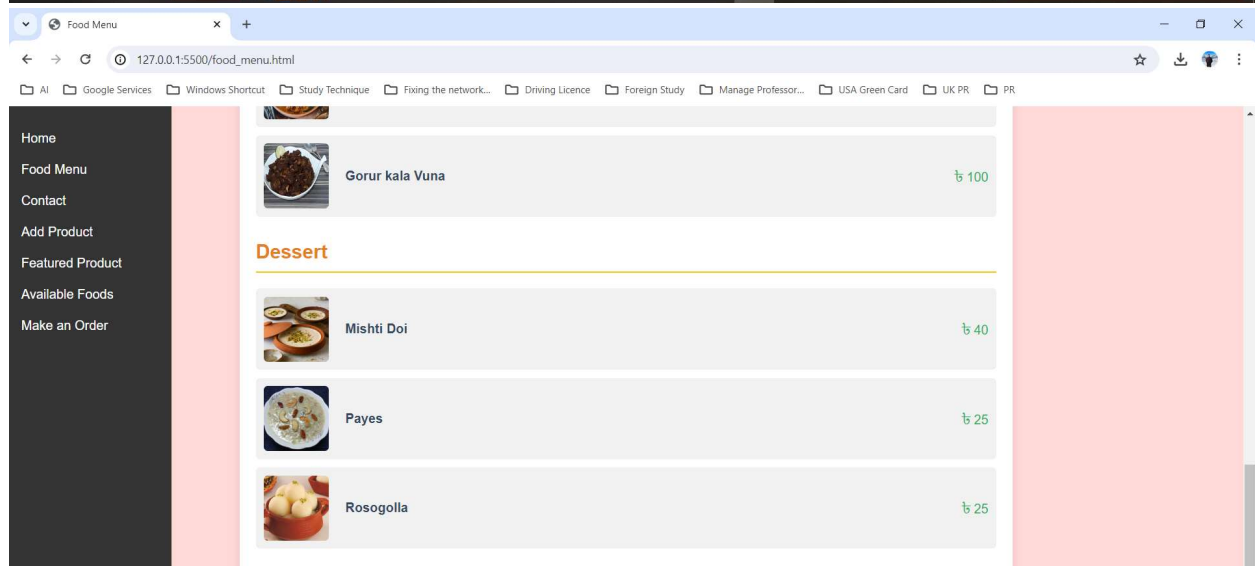
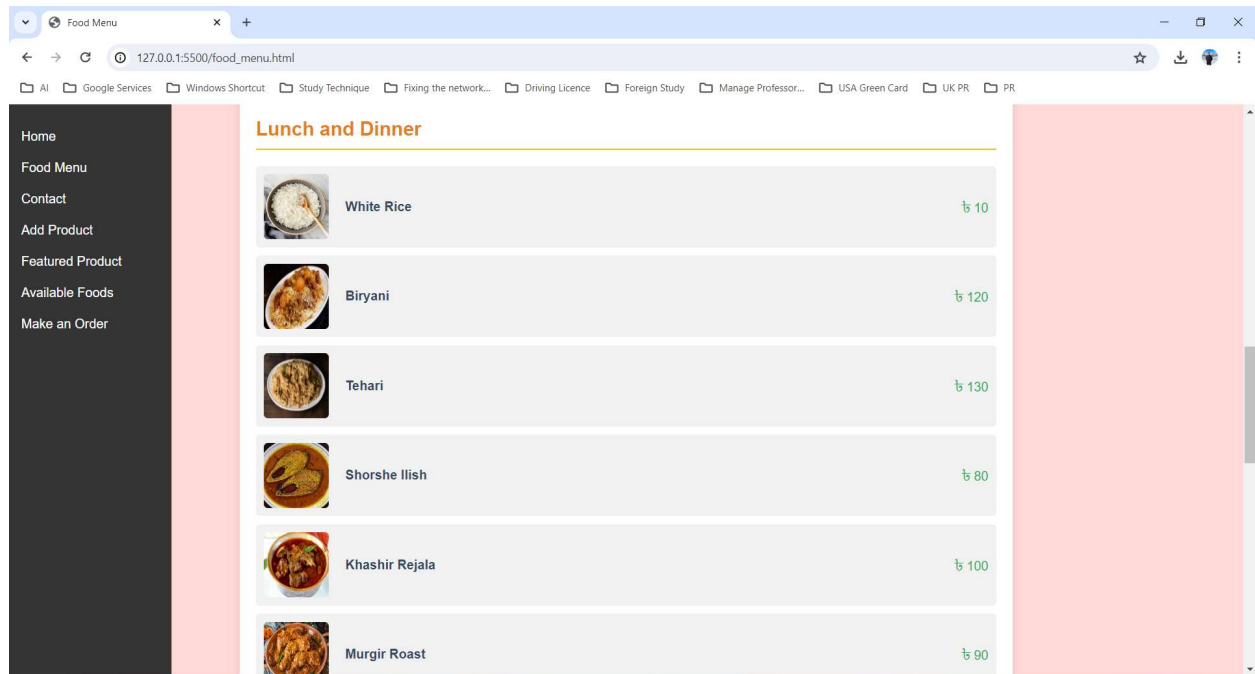
White Rice ₹ 10

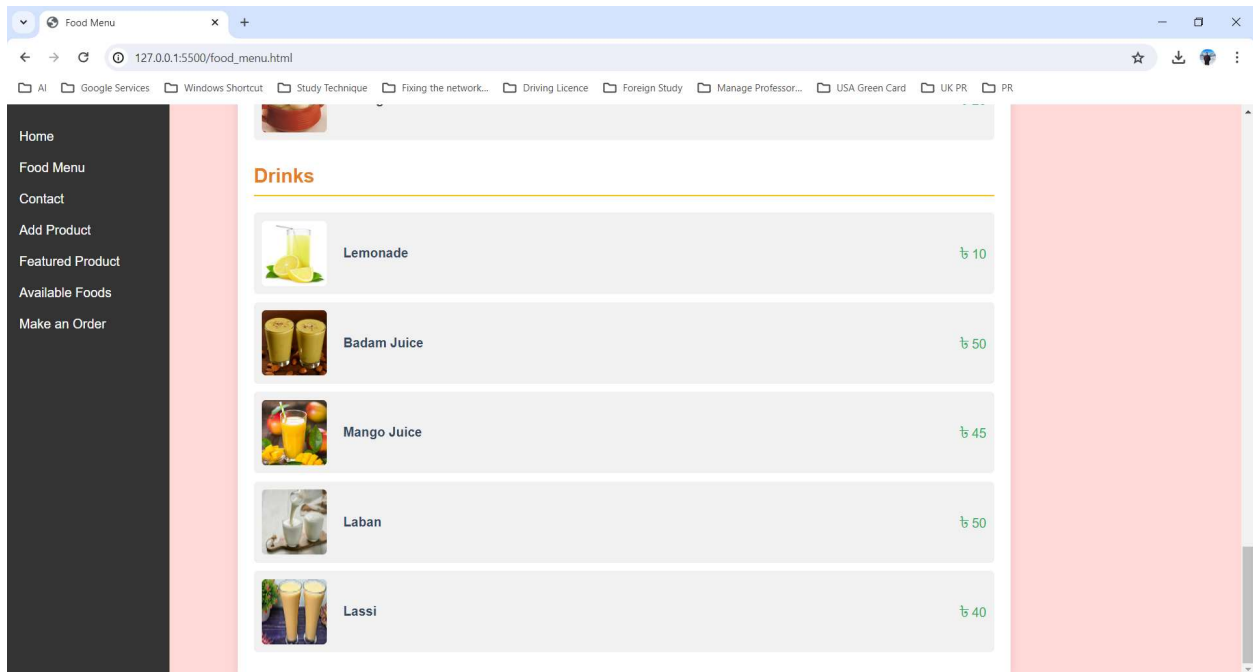
Dim Pus ₹ 15

Dim Vaji ₹ 20

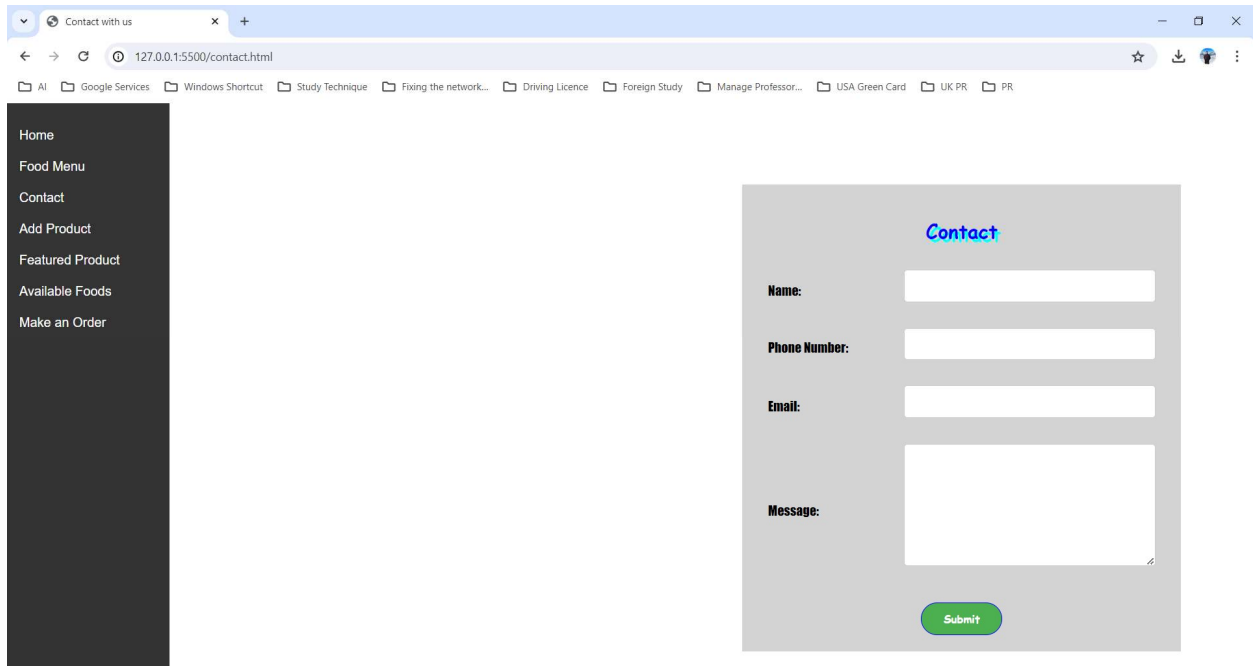
Kichuri ₹ 50

Panta Vat with ilish ₹ 90





Contact Page



Add Product Page

Browser: Add Product | 127.0.0.1:5500/add_product.html

Home | Food Menu | Contact | Add Product | Featured Product | Available Foods | Make an Order

Add Product

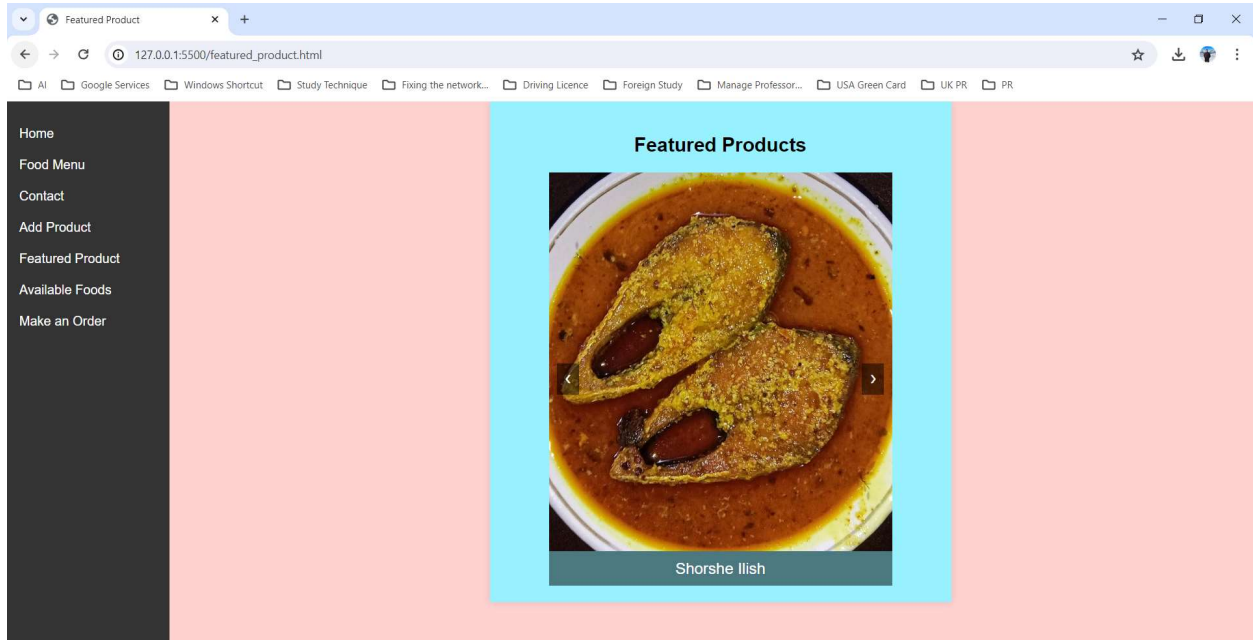
Product Name:

Category:

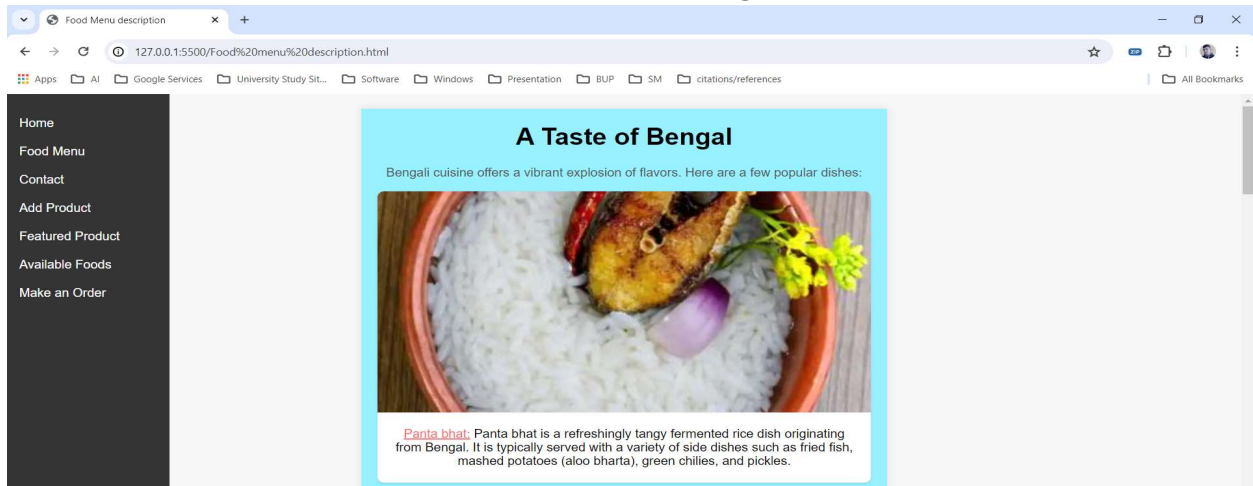
Manufacturing Date:

Submit

Featured Product Page



Available Foods Page




Food Menu description

127.0.0.1:5500/Food%20menu%20description.html

Apps AI Google Services University Study Sit... Software Windows Presentation BUP SM citations/references All Bookmarks

- Home
- Food Menu
- Contact
- Add Product
- Featured Product
- Available Foods
- Make an Order




Kichuri: Kichuri is a popular and comforting one-pot dish made with rice, lentils, and assorted spices.

Food Menu description

127.0.0.1:5500/Food%20menu%20description.html

Apps AI Google Services University Study Sit... Software Windows Presentation BUP SM citations/references All Bookmarks

- Home
- Food Menu
- Contact
- Add Product
- Featured Product
- Available Foods
- Make an Order




Biriani: Biriani is typically made with fragrant basmati rice, tender pieces of meat (like mutton or chicken), potatoes, yogurt, and fried onions.

Food Menu description

127.0.0.1:5500/Food%20menu%20description.html

Apps AI Google Services University Study Sit... Software Windows Presentation BUP SM citations/references All Bookmarks

- Home
- Food Menu
- Contact
- Add Product
- Featured Product
- Available Foods
- Make an Order




Kalavuna: Kalavuna is a traditional Bangladeshi dish. It is a slow-cooked meat dish, usually made with beef, that is known for its deep, dark color and rich, aromatic flavors.

Food Menu description

127.0.0.1:5500/Food%20menu%20description.html

Apps AI Google Services University Study Sit... Software Windows Presentation BUP SM citations/references All Bookmarks

- Home
- Food Menu
- Contact
- Add Product
- Featured Product
- Available Foods
- Make an Order




11.jaler vorta: We serve different traditional vorta like: Aloo Bhorta (Mashed Potatoes), Begun Bhorta, Kumro Bhorta, Tomato Bhorta, Peyajkoli Bhorta, Chingri Bhorta, Shutki Bhorta, Muger Bhorta, Posto Bhorta, Bhorta of Pui Shak, and Taki Macher Bhorta.

Food Menu description

127.0.0.1:5500/Food%20menu%20description.html

Apps AI Google Services University Study Sit... Software Windows Presentation BUP SM citations/references All Bookmarks

- Home
- Food Menu
- Contact
- Add Product
- Featured Product
- Available Foods
- Make an Order




Shorshe Ilish: Aromatic mustard fish curry, a Bengali classic.

Food Menu description

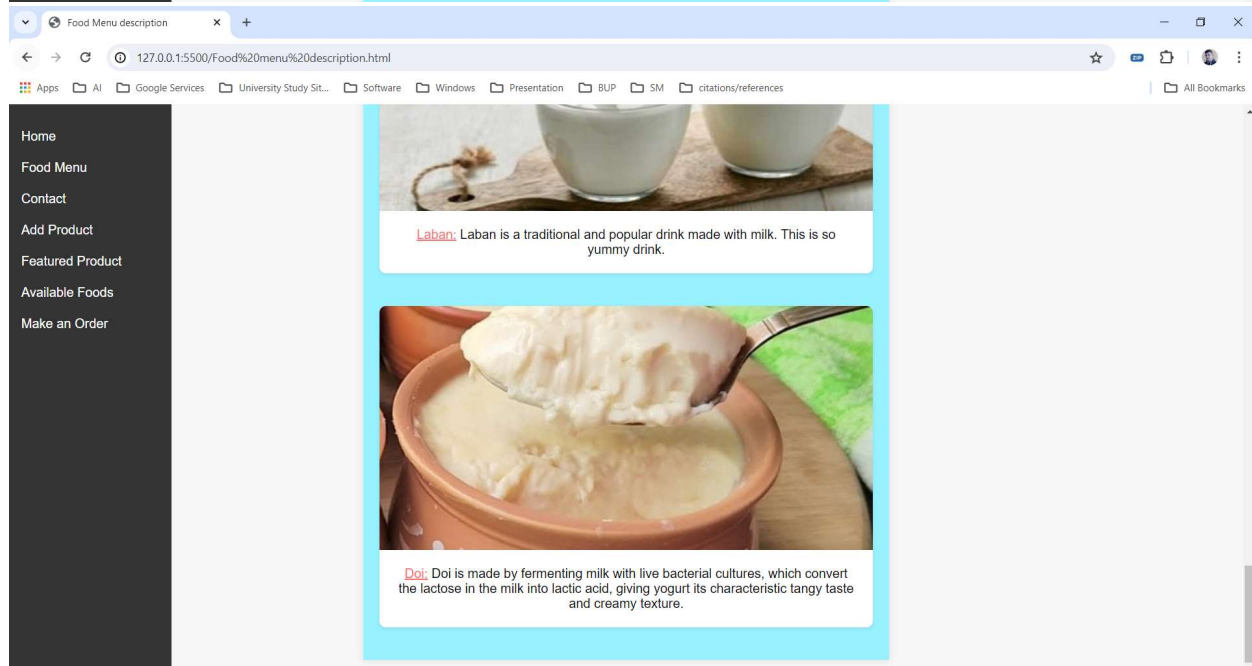
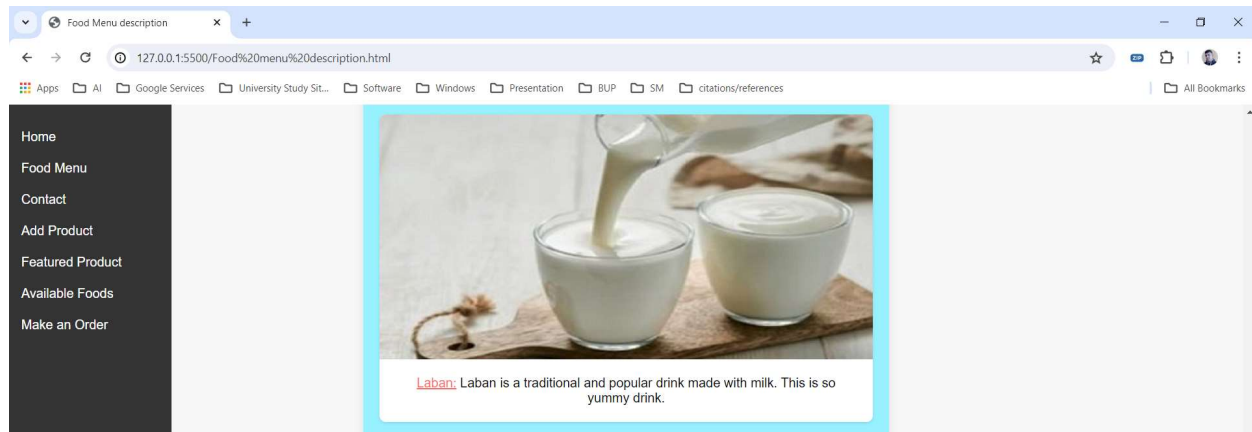
127.0.0.1:5500/Food%20menu%20description.html

Apps AI Google Services University Study Sit... Software Windows Presentation BUP SM citations/references All Bookmarks

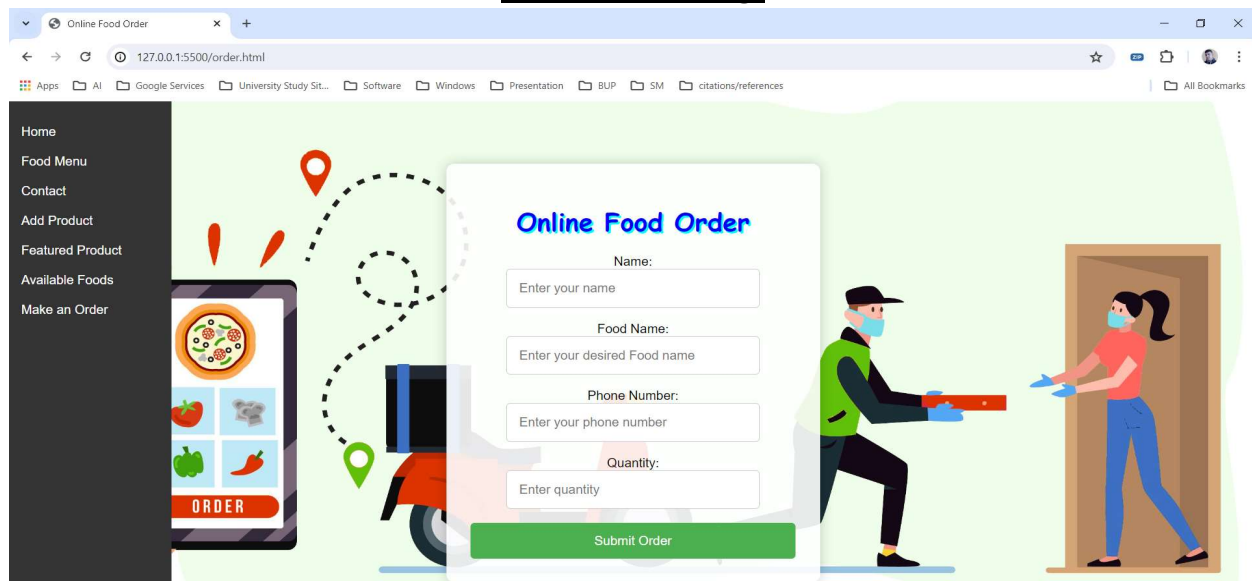
- Home
- Food Menu
- Contact
- Add Product
- Featured Product
- Available Foods
- Make an Order



Roshogolla: Soft cheese balls in sweet syrup, a delightful Bengali dessert.



Make an Order Page



Section 6: Conclusion

This webpage is designed for a well-known Bengali restaurant named বাঙালিয়ানা ভোজ. Here the food menu will be altered regularly based on customer feedback. The webpage has been made attractive by using Cascading Style Sheet , Bootstrap v5.3.0 for the front-end User Interface. New products can be added to the webpage easily by admin with access to the database embedded on the website. The food menu is with food description with its image. The food menu is also categorized to make it easy to choose the desired food of the customer. We have also added many useful features to make this website user friendly. This website will help us to implement it in real life Bengali restaurant. By using this type of website, the business will grow more, and the customers can get service easily and, they can give their valuable feedback. While doing this project we learned how to use HTML, CSS, JS, Bootstrap v5.3.0 for front-end development. We also learned how to handle databases using PHP and XAMPP for back-end development. We faced some difficulties during the completion of this project. But we overcome those by our group work and efforts.

Section 7: References

[1] Foodpanda. (n.d.). Bangaliana Bhoj. Retrieved May 2, 2024, from

<https://www.foodpanda.com.bd/restaurant/s6ea/bangaliana-bhoj>

[2] TripAdvisor. (n.d.). Bangaliana Bhoj Reviews - Dhaka City, Dhaka Division. Retrieved May

10, 2024, from https://www.tripadvisor.com/Restaurant_Review-g293936-d19339589-Reviews-Bangaliana_Bhoj-Dhaka_City_Dhaka_Division.html

[3] Bangaliana Bhoj. (n.d.). Retrieved May 24, 2024, from

<https://www.foodpanda.com.bd/restaurant/s6ea/bangaliana-bhoj>