

**ONLINE SYSTEM FOR FOOD ORDER AND DELIVERY
BY**

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This Report Presented in Partial Fulfillment of the Requirements for the Degree
of Bachelor of Science in Computer Science and Engineering

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DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

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APPROVAL

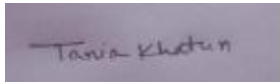
This Project titled “**ONLINE SYSTEM FOR FOOD ORDER AND DELIVERY**”, submitted by **Md. Joynul Islam, Md. Amzad Hossan** to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 18/01/2022.

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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Dr. S.M Aminul Haque, Lecturer, and Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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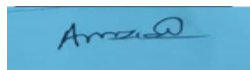


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ABSTRACT

Online System for Food Order and Delivery is a web application system. Through which the user can easily order the right quality food by monitoring the various restaurant sites of the website. This website will have the necessary information for making the food menu easy and convenient. Which the user can easily understand by viewing / rating. This site will be able to review the list of food, including food orders. This website will introduce the user to the restaurants of the country. More easily users will be able to create an easy way to get and order the required food in less time.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Food is an important element for survival. Food tastes vary from age to age. You can easily find delicious, nutritious and famous food in the restaurant. At this site, everyone in the country and abroad can get an idea about the food and restaurants of the country. Anyone can register to enjoy the benefits of our website and comment on food. Among those who register on our website will be admin, user, and restaurant owner. User will be able to comment on food order, order cancellation, view and food here. Restaurant owners with their own information can give the opportunity to anyone else to do business on this website with the advice of the admin. Admin users, restaurant owners will be able to observe these. Admins and restaurant owners will be able to cancel any product with permission and removal from the user. Anyone can easily use our website with all kinds of usable smart phones and laptops, PC and internet access devices.

1.2 Motivation

Every day I eat different types of food in different restaurants or food village. When we were housebound at Covid-19, we monitored various "online food order" websites for food. Most of these websites are not easy to use. On the other hand, people are not able to come to the restaurants and they fail to serve them. We have taken the initiative to create this website to make our livelihood easier by establishing contact with the user and restaurant owner. With the help of this website, food can be easily obtained in a very short time.

1.3 Objectives

- This site can be used only if the computer, smartphone user has internet connection.
- User information can be linked through registration.
- Users can easily confirm their location.
- Multiple restaurant owners can be connected.
- The admin will be able to take action according to the reviews of restaurant owners and users.
- Anyone can easily comment on food order and food quality.
- Users can easily order the required food by searching.

1.4 Expected Outcome

It is a website where users can easily order their favorite food. A restaurant owner can easily do business with their restaurant food through this website. Once the user completes his profile, no other user will be able to see his profile on this website. The restaurant owner will be able to provide all the food information in their own way to highlight their food. Which allows a buyer to easily order food by observing all the information. Admin & restaurant owners can impose conditions between users. Admin can control all the work of the database. If the user comments on any topic, the admin will be able to reply.

1.5 Report Layout

In our project we have discussed motivation, objective, and the expected outcome. The report layout will be able to reveal the results.

CHAPTER 2

BACKGROUND

2.1 Introduction

Ordering food online is an easy process. Here food is ordered and delivered to the client through online. Here are some strategies for designing a system that a restaurant owner can easily present with all his information on this website. The design is designed with less complexity of restaurant owner and user. In this website design a store has been arranged to keep the relationship between user, restaurant, owner and admin.

2.2 Related Work

- > Users can easily see the menu of food
- > You can order food by registering.
- > Users will be able to see the food of different restaurants & order one or more food of their choice.
- > Restaurant owner can add food and cancel food.
- > Admin will be able to manage the orders in his own way.

2.3 Comparative Studies

We have seen many projects of web base, but the main features of all projects are the same. There is no website that can collect information about our local restaurants. You can own multiple restaurants on our website. On the other hand, the main menu has been easily created on our website from other websites, which will allow users and restaurant owners to easily manage everything. All information will be collected at the user's profit. When the user log in, the name and mail will be saved automatically when ordering, which will not waste the user's extra time.

2.4 Challenges

1. The main challenge in creating our website was to collect information and data.
2. We have designed our website by going to the website through internet and seeing the advantages and disadvantages in their websites.
3. There is a separate part of this design to maintain the relationship between the user and the restaurant owner.
4. Achieving user satisfaction is the main challenge of this website.
5. It is also a challenge to make sure that the food is delivered as per the parcel and time according to the food.
7. Concentrate on the restaurant owner's service perfectly to maintain the taste

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Use Case Modeling

The status of the user, admin, vendor, delivery man has been described in this use case. The use case diagram is shown below to understand how our website will work through the use case diagram and what the position of any actor in it is.

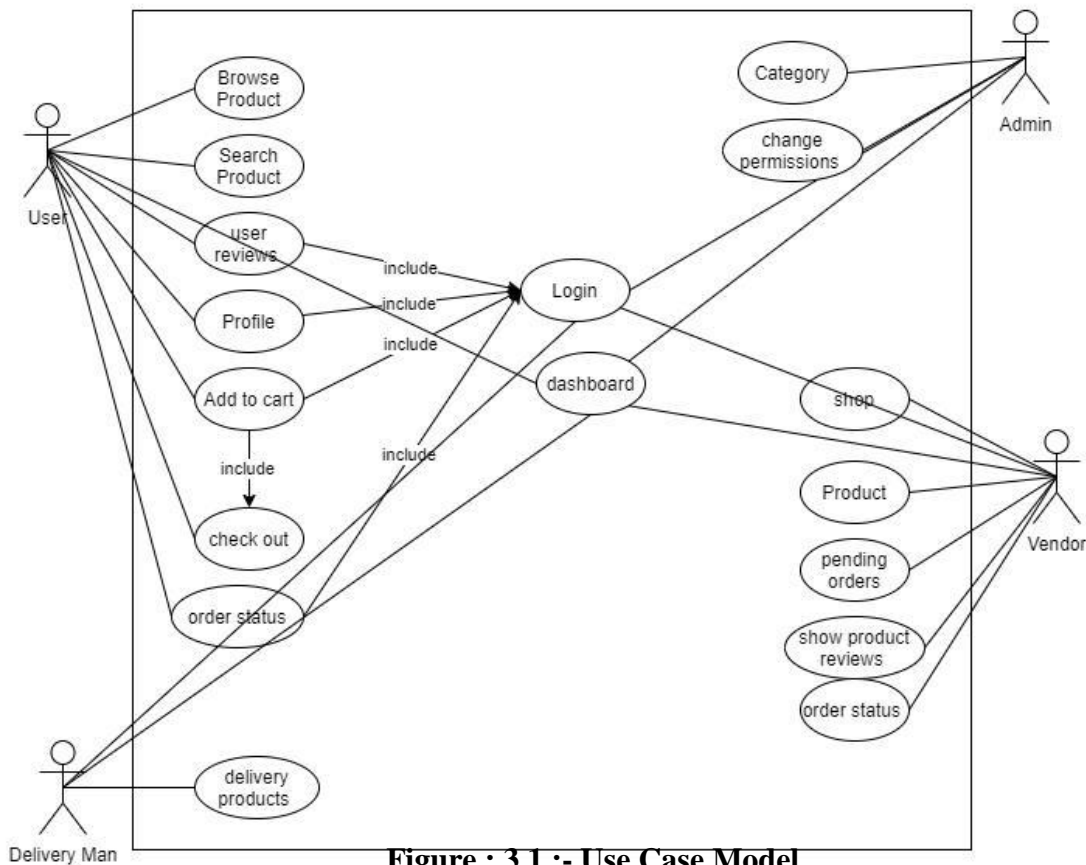


Figure : 3.1 :- Use Case Model

3.2 ER-Diagram

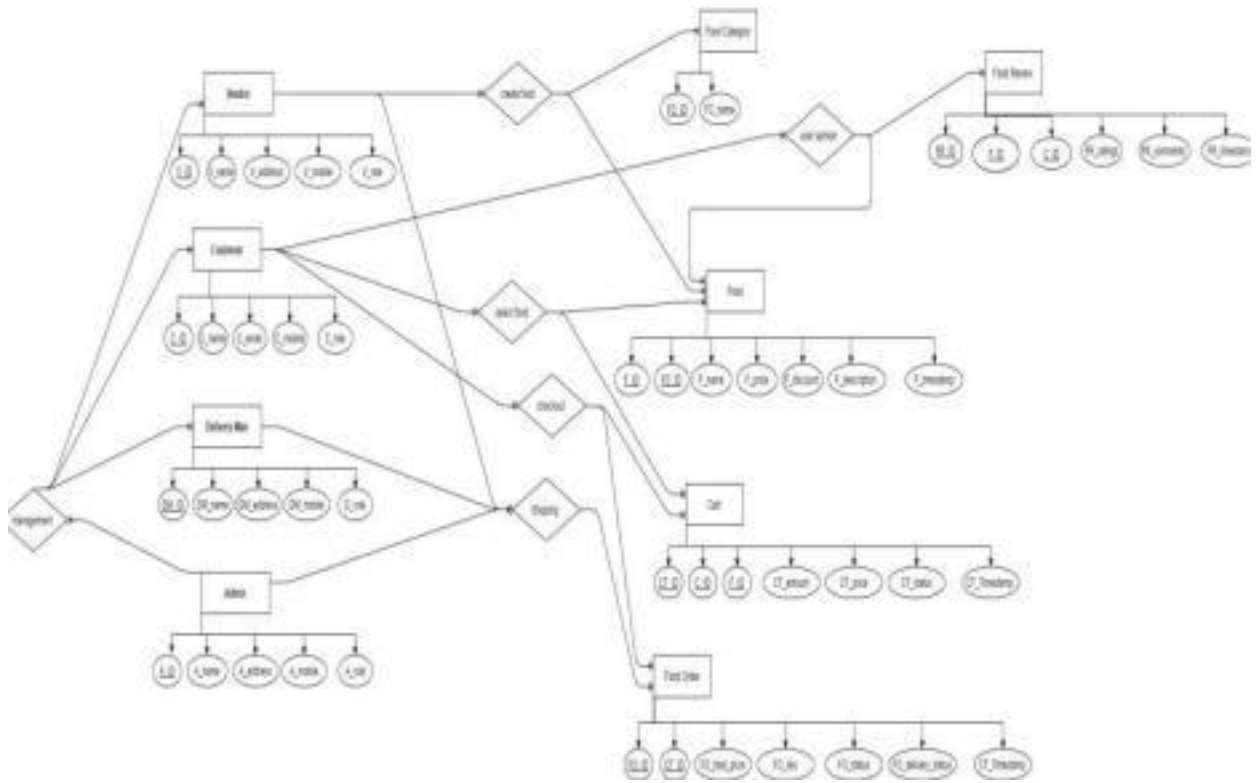


Figure : 3.2 :- ER-Diagram

3.3 Requirement Collection Analysis

Some elements are needed to build our website. Those elements are shown below:-

- Hardware
 - ❖ Computer or Laptop.
 - ❖ Server.
- Software
 - ❖ Windows Operating System.
 - ❖ Xampp Control Panel .
 - ❖ Browser .
- Programming Language and Framework.

- Frontend:-

- ❖ HTML
- ❖ CSS
- ❖ Bootstrap
- ❖ JavaScript
- ❖ JQuery

- Backend:-

- ❖ PHP
- ❖ Laravel
- ❖ Laravel Jetstream(auth)

- Database:-

- ❖ MySQL

3.4 Design Requirements

Website:-

1. Search by location
2. Show restaurant with Limited offer
3. Add to Cart
4. Order placement
5. Multi vendor
6. User reviews (rating & comments)
7. Shop Status (open or closed)
8. User Profile

Dashboard:-

1. User login/registration
2. User rules (admin,vendor,delivery man,user)
3. Change user permissions
4. Shop
5. Category
6. Product
7. Show user order (pending,accept,complete)
8. Show user reviews

CHAPTER 4

DESIGN

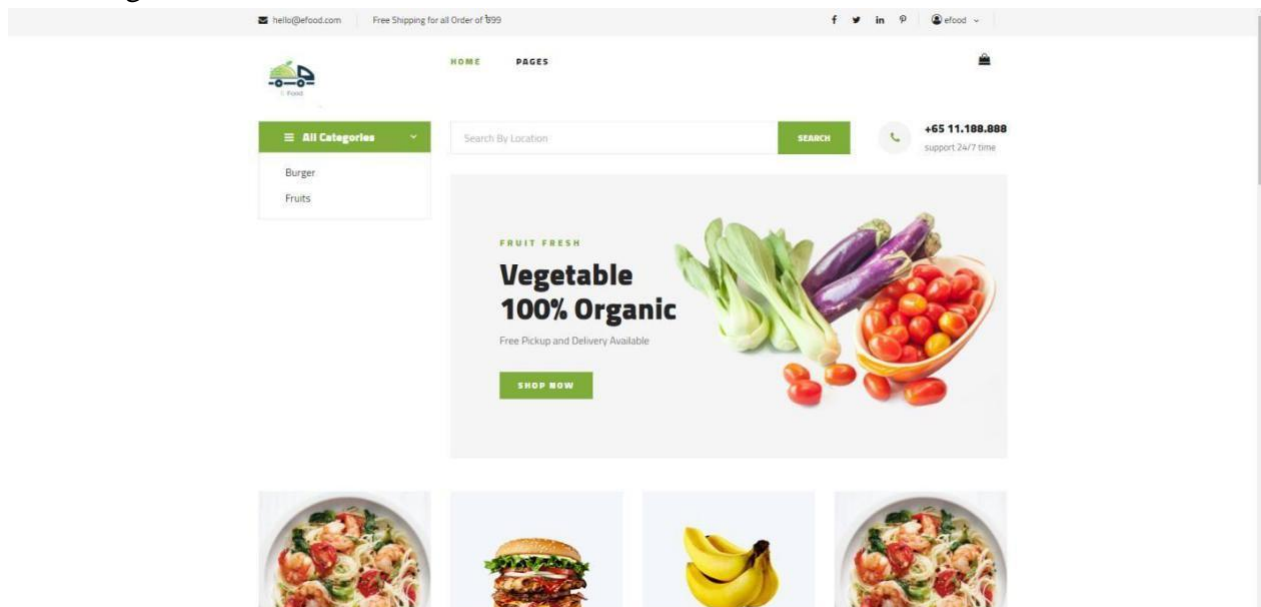
SPECIFICATION 4.1 Front-end Design

The end of the site that the user of a website uses is done through front-end design. An important part of front end design for web development. With this design the user can easily get an idea about the website. Frontend design the part of graphical user interface by development.

4.1.1 Home Page

Home page Details:-

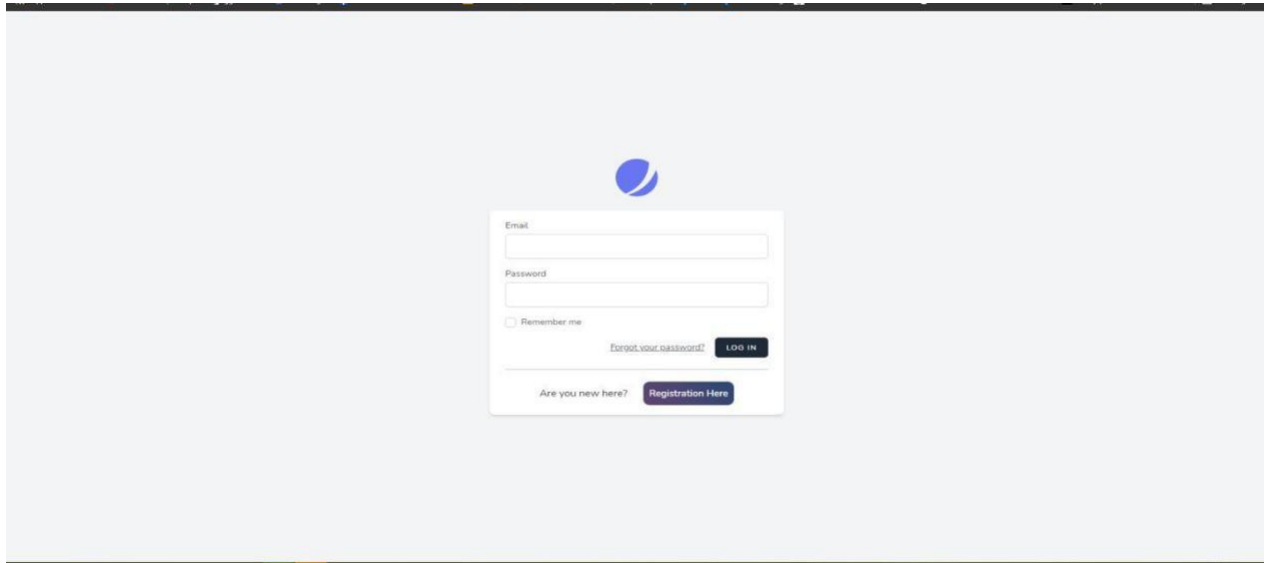
- ✓ Menu bar
- ✓ Websites Name
- ✓ Logo
- ✓ Map & Search bar
- ✓ Sign in etc.



4.1.1 Home Page

4.1.2 Log-in Page

User can log in through the log in page –

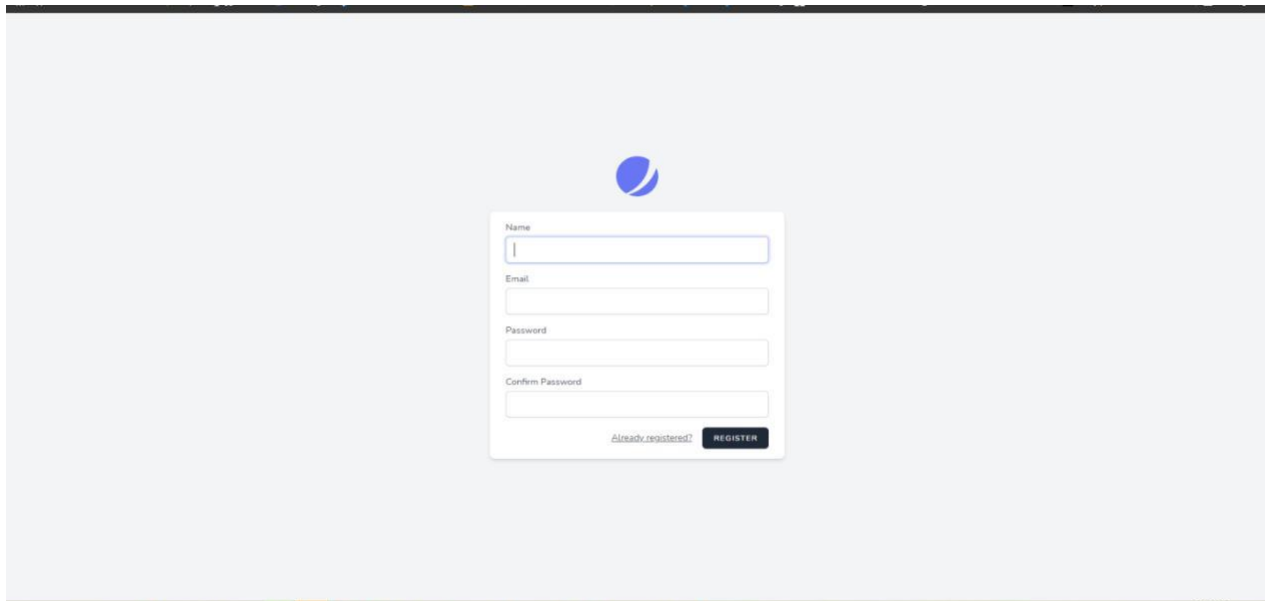


The screenshot shows a log-in page with a light gray background. At the top center is a blue circular logo with a white swoosh. Below the logo is a white form with the following elements: an 'Email' input field, a 'Password' input field, a 'Remember me' checkbox, a 'forgot your password?' link, a dark blue 'LOG IN' button, and a 'Registration Here' link at the bottom.

Figure 4.1.2 :- Log-in Page

4.1.3 Registration Page

Users have to registration first to use website –



The screenshot shows a registration page with a light gray background. At the top center is a blue circular logo with a white swoosh. Below the logo is a white form with the following elements: a 'Name' input field, an 'Email' input field, a 'Password' input field, a 'Confirm Password' input field, an 'Already registered?' link, and a dark blue 'REGISTER' button.

Figure 4.1.3 :- Registration Page

4.1.4 Admin Log-in Page

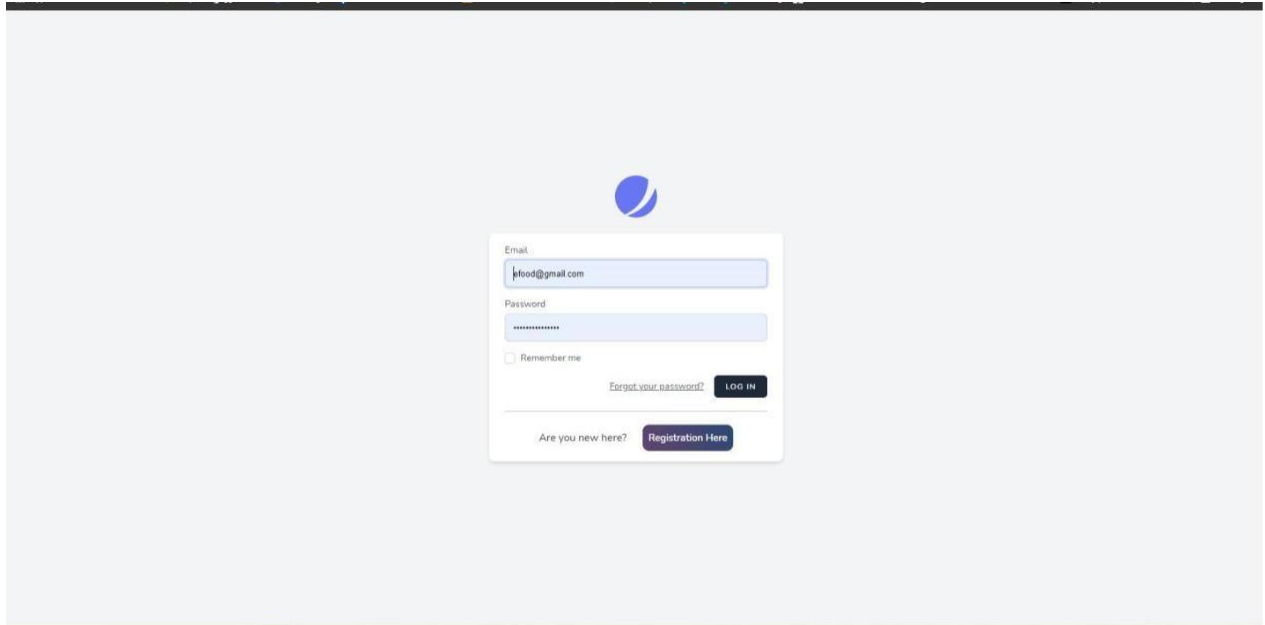


Figure 4.1.4 Admin Log-in Page

4.1.5 Admin Panel

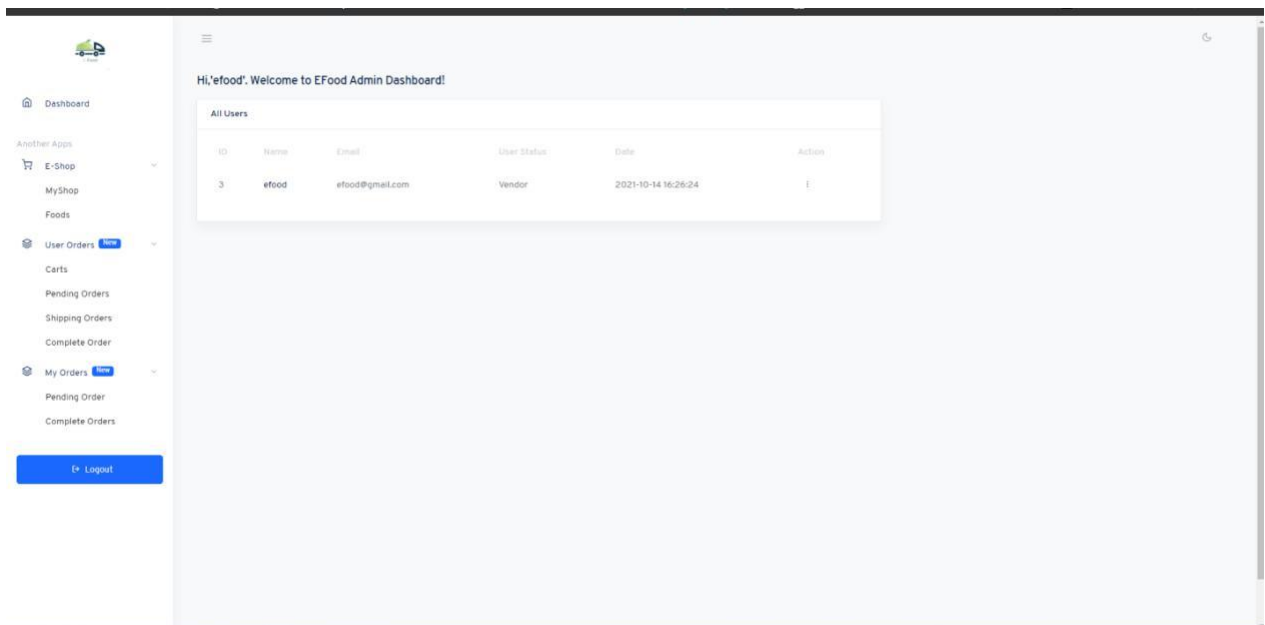


Figure 4.1.4 Admin Panel

4.1.6 Offer List

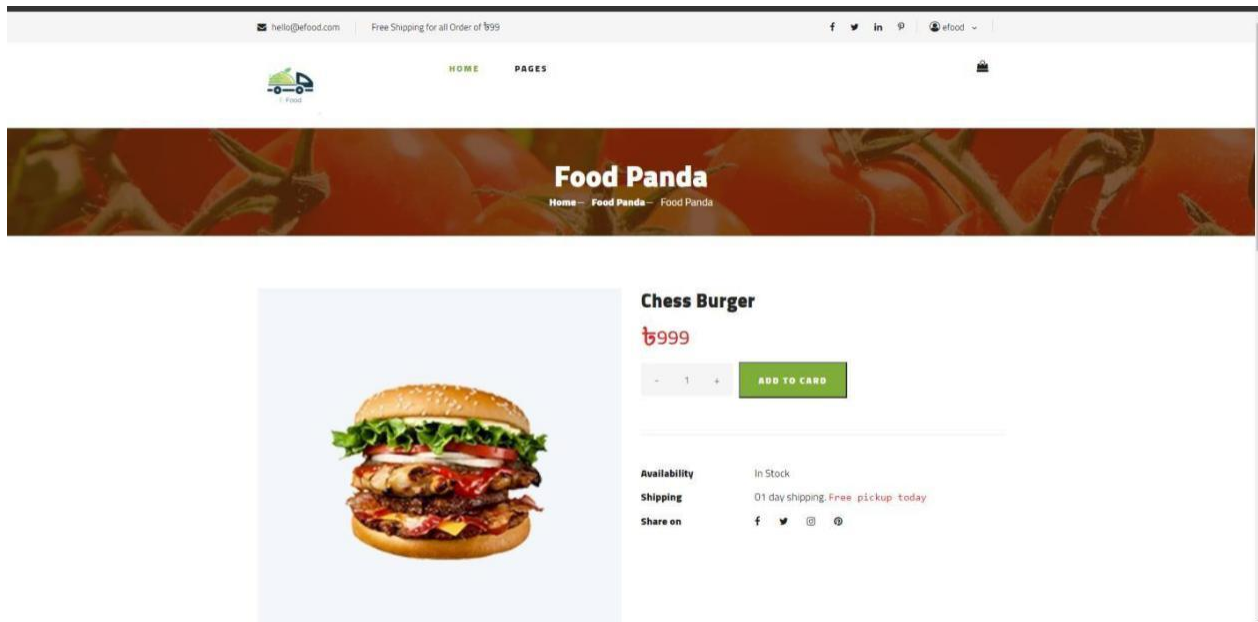


Figure 4.1.6 Offer List

4.1.7 Shopping Cart

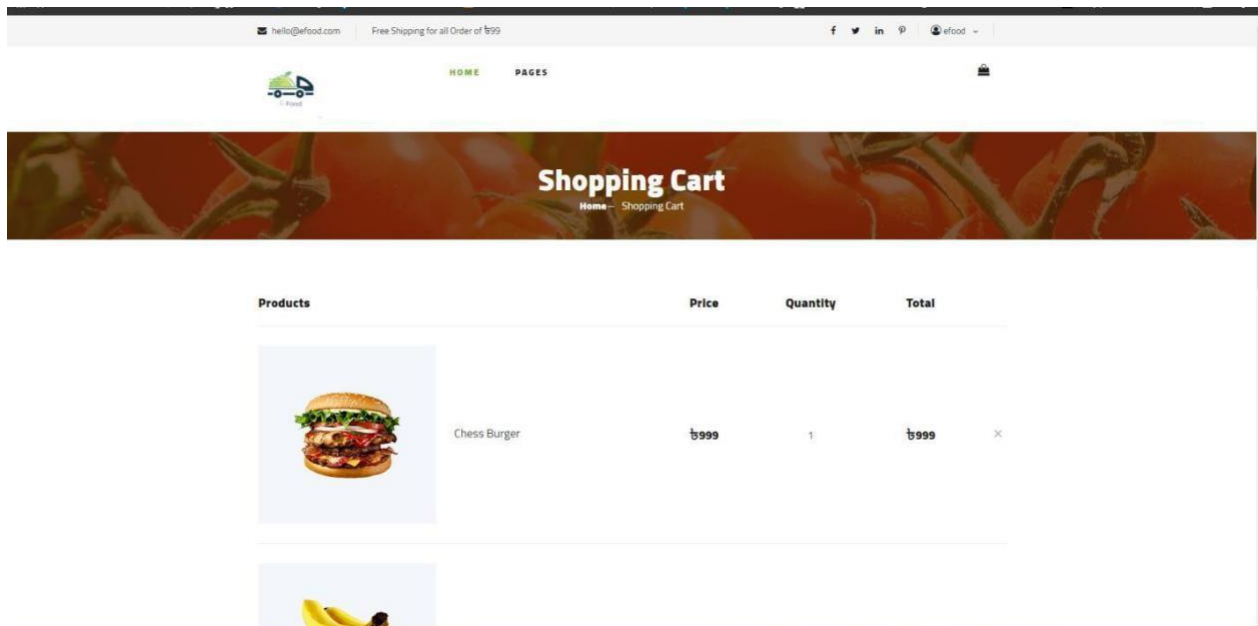


Figure 4.1.7 Shopping Cart

4.2 Back-end

The logical part happens in the reverse-end of a website. It's the most important and critical part of a website. The whole styles functionality depends on it. Generally back-ends refers server site. In back-end there are numerous issue to attack similar as the form speech or the garcon site speech, database operation system, safety, confirmation, clearance, data passing , data confirmation, data collection etc. We displayed Restaurant review and offer system” using Laravel which is a PHP frame containing all the aspects that's bandied over and also MySQL provides us the logical effects and hosting.

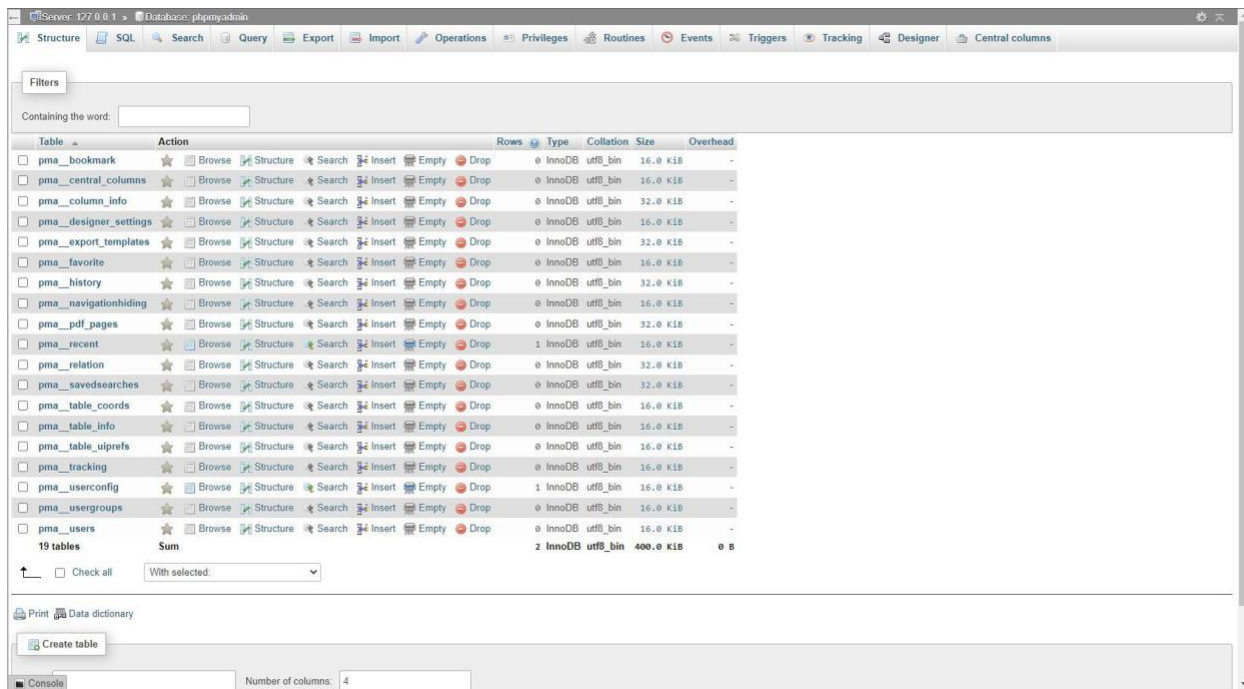


Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> pma_bookmark		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_central_columns		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_column_info		0	InnoDB	utf8_bin	32.0 K1B	-
<input type="checkbox"/> pma_designer_settings		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_export_templates		0	InnoDB	utf8_bin	32.0 K1B	-
<input type="checkbox"/> pma_favorite		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_history		0	InnoDB	utf8_bin	32.0 K1B	-
<input type="checkbox"/> pma_navigationhiding		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_pdf_pages		0	InnoDB	utf8_bin	32.0 K1B	-
<input type="checkbox"/> pma_recent		1	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_relation		0	InnoDB	utf8_bin	32.0 K1B	-
<input type="checkbox"/> pma_savedsearches		0	InnoDB	utf8_bin	32.0 K1B	-
<input type="checkbox"/> pma_table_coords		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_table_info		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_table_uiprefs		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_tracking		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_userconfig		1	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_usergroups		0	InnoDB	utf8_bin	16.0 K1B	-
<input type="checkbox"/> pma_users		0	InnoDB	utf8_bin	16.0 K1B	-
19 tables	Sum	2	InnoDB	utf8_bin	400.0 K1B	0 B

Figure 4.2 :- Database Tables in PhpMyAdmin

4.3 Interaction Design & UX

We have used JQuery, Bootstrap Frame on our website. These two elements represent our website well and make it affordable. By working with the user through this website, it is possible to get the satisfaction of the user in any business case. The user experience is getting better due to the process of enhancing stoner satisfaction with the website and pleasure handed in the commerce with the website.

4.4 Implementation Requirements

- UI design is attached to Laravel.
- Database used MySQL.
- Server backup from schedule wise.
- Valid data input given successful result & invalid data given error result.
- JQuery is used to keep the structure of the design.
- If you use Bootstrap, JQuery in front end design, the beauty of its design increases.
- JQuery, using Bootstrap makes any website much more beautiful.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

We have used Xampp to create local servers with the implementation of database structure on this website. All user & restaurant database information will be on Xampp server. If you log in with any mail through which you will get an information meaning notification code.

5.2 Implementation of interaction

Our website has HTML, HTML5, CSS and CSS3 has been used. HTML & CSS has customized and made the pages of the website custom and smart. Bootstrap has been used to open the browser. I have used JavaScript to customize cyber security. When the user orders, it will run in HTML through the host.

The database design of our project is as follows:-

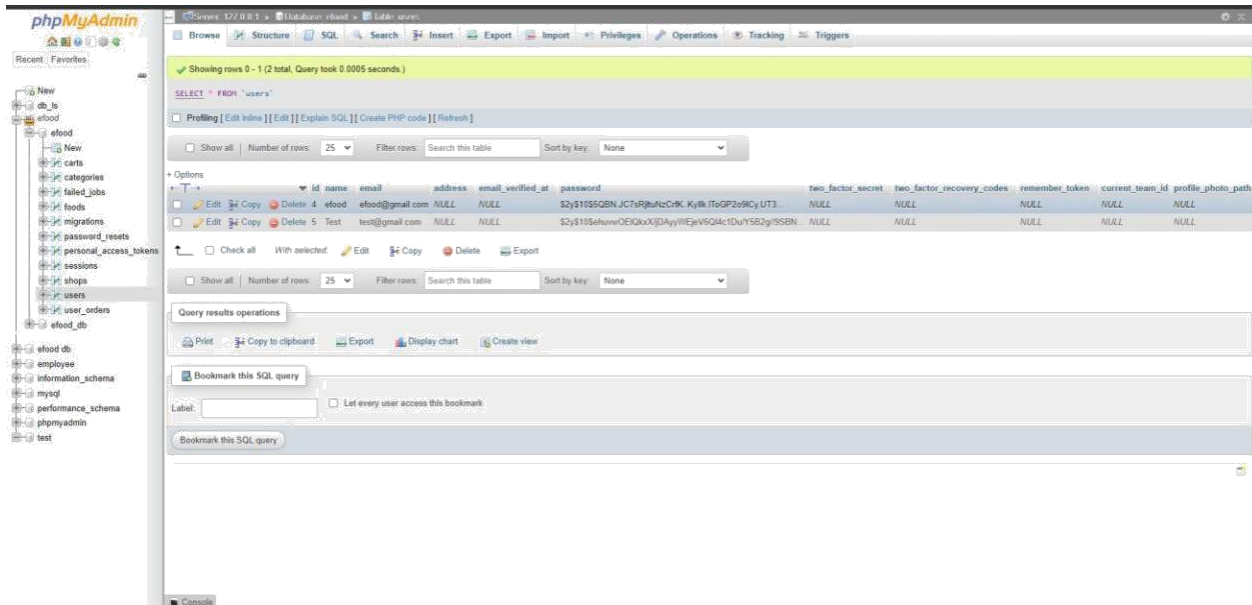


Figure 5.2 :- User sign up Database

5.3 Implementation Test

We have used various browsers and tools to test this website. We have used this website by various users and vendors.

5.4 Test Report:

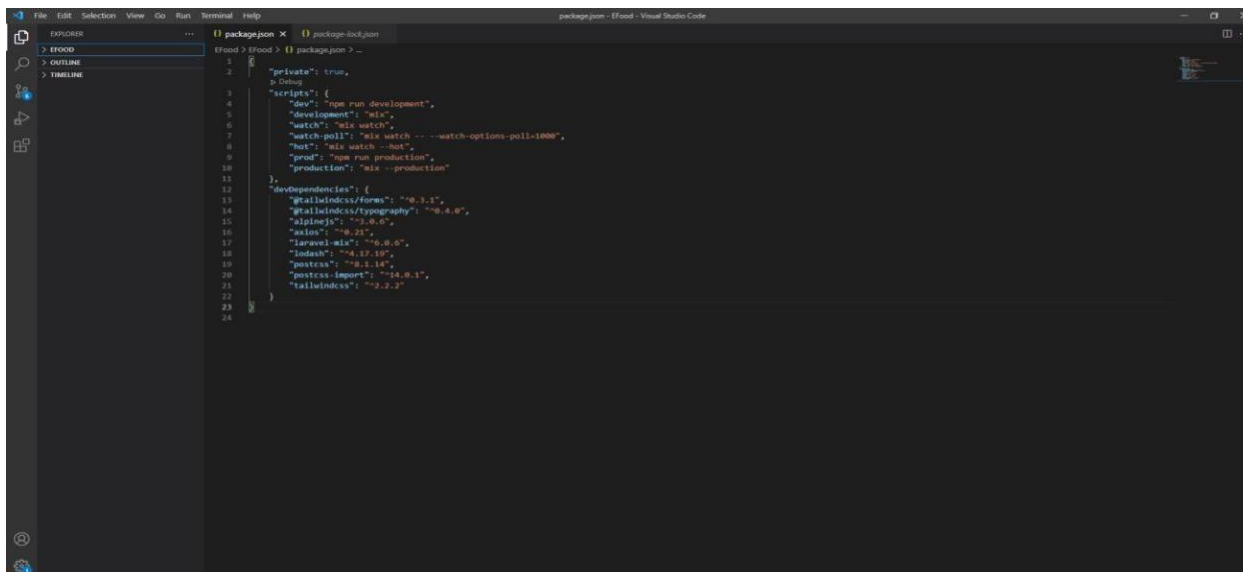


Figure : 5.3 :- Test Report

CHAPTER 6

CONCLUSION AND FUTURE

6.1 Discussion and Conclusion

Using phone or computer we can easily get food through online. We used HTML, CSS, Bootstrap, JavaScript, JQuery, PHP, Laravel, Laravel Jetstream (auth), MySQL to create this website. We think this website will be very interesting which is why users will use it very sincerely. Finally we were able to create such a website in collaboration with our teachers.

6.2 Future Development in Scope

- Send announcements for both callers and restaurant owners.
- Map position we be more advance.
- Users will be updated according to the vendor's response.
- We can use artificial intelligence.
- We can make the front end design dynamic.
- Users, Restaurant Owners, Delivery Man & Admin can map each other in a corner.

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