Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Spring, Year: 2021), B.Sc. in CSE (Evening)

Course Title: Web programming Lab
Course Code: CSE-302 Section: ED

Lab Project Name: Online Restaurant Management System

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Lab Project Status

Marks: …… **Signature: .....**
Comments: ..... **Date: .....**

Contents

Chapter 1
Introduction

1.1 Introduction

This manuscript is proposing about all the features and dealings to develop the system. Especially it is containing details about objectives, possibility, plan replica, primary and functional requirements, database model and as final point coverage and analyzing the mechanisms. Once analyzing the mechanisms of the task that would be performed, the following point is to consider the problem and understand is framework. Online Restaurant Management System is a project which is referred to as a set of detail methods that is being used in handling the ordering process. Food ordering can be computerized or done manually. Those helps the customer to order their food themselves which is known as the customer self-ordering system. The customer self-ordering system can be defined as a computerized system that is being used by customers to place their own orders in the restaurant and allow the orders to be tracked, in order to prepare and deliver the food to the computers. Admin is the most powerful user of the system. We want to make this project for the purpose of making a restaurant management system easier.

1.2 Features:

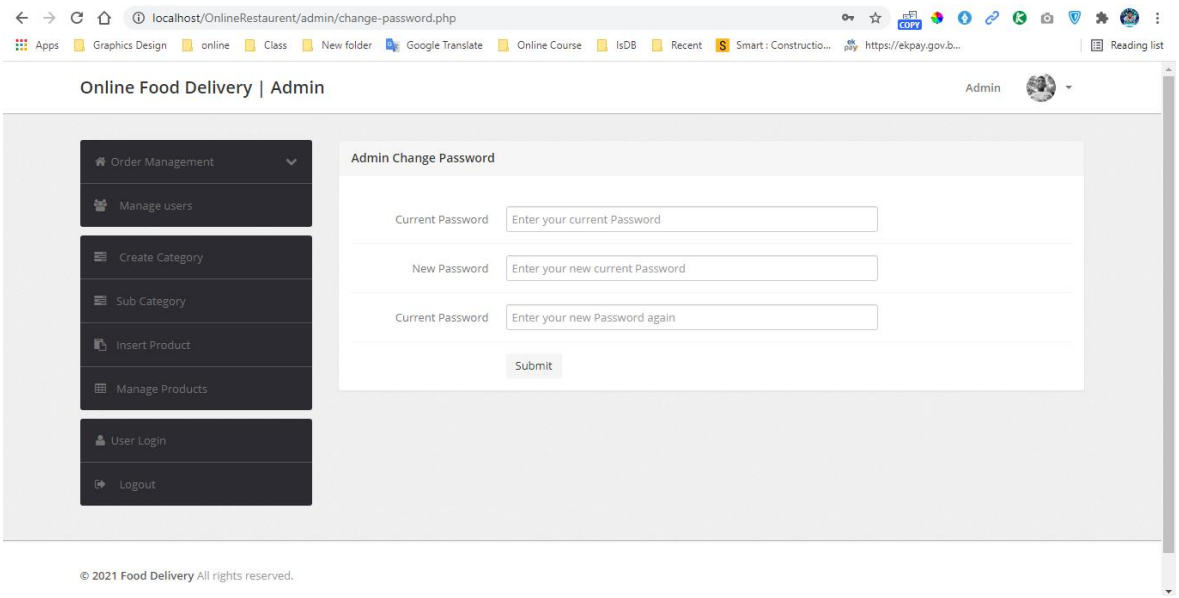
- Admin Module:
  - Dashboard
  - Registration Users
  - Create Food Category
  - Create Food Sub-category
  - Orders
  - Search order
- User Module:
  - Food Menu
  - Sign up and Sign in options
  - Cart options
  - Create Search options.
  - Food Category
- Payment methods:
  - Cash on delivery.
  - Card.
  - Bkash.
- Server-Side:
  - PHP
  - Mysql Database
- Client-side:
  - HTML, CSS, JavaScript, jQuery
  - Ajax
  - Bootstrap 4, Bootstrap Select Plugin

Chapter 2
Admin Module

2.1 Introduction:

In this section, admin can see all detail in brief like a total order, not confirmed order, confirmed order, Total food being prepared, Total food pickup, Total food delivery, Total canceled orders, and Total user. In this section, admin can manage the registered user (view/update).

Admin Dashboard Design:



Database of Restaurant Management System:

Before start using this Restaurant Management System, first we have to create database of system. So for create database of this system we have to create new database in our local phpmyadmin and then after run following sql script. So it will make required table for this Restaurant Management system and user can check source in our local computer.

SQL:

```
CREATE TABLE `order_item_table` (
  `order_item_id` int(11) NOT NULL,
  `order_id` int(11) NOT NULL,
  `product_name` varchar(250) COLLATE utf8_unicode_ci NOT NULL,
  `product_quantity` int(4) NOT NULL,
  `product_rate` decimal(12,2) NOT NULL,
  `product_amount` decimal(12,2) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
```

Dashboard:
For the admin dashboard, we will be able to see all the basic access in the whole system. Such as menu, category, members, team members, messages, user, combo reservation, inventory and report.

Add User:
Groups, Store, Username, Email, Password, Confirm Password, First Name, Last Name, Phone, and Gender.

Customer Registration Module:
Customer registration module contains customer's information such as customer personal information and other information related to that customer. Then, all of this information recorded into database. Customers are given with a facility to change his existing password.

Manage Menu:
The admin has access to the menu management information system. He can add, edit and update the menu.

Manage Category:
For the categories, the admin has the features of managing the category. The example category used in this system is dessert, Pasta, and Rice.

Manage Users:
The admin can manage the user's account. Admin can add, update and Block Users in the system.

Manage Reservation:
The admin can manage the reservation system. Admin can see the pending reservations and finish reservation. The admin can confirmed and cancel reservation.

Manage Inventory:
The admin can manage the reservation inventory. Admin can see all sold out items.

Manage Product:
Add Product, View Product, Image, Product Name Price, Store, Status, Action, Show Entries, and Search.

Add Orders:
Product Name, Quantity, Rate, Amount, Gross Amount, Vat, Discount, Net Amount, and Create Order.

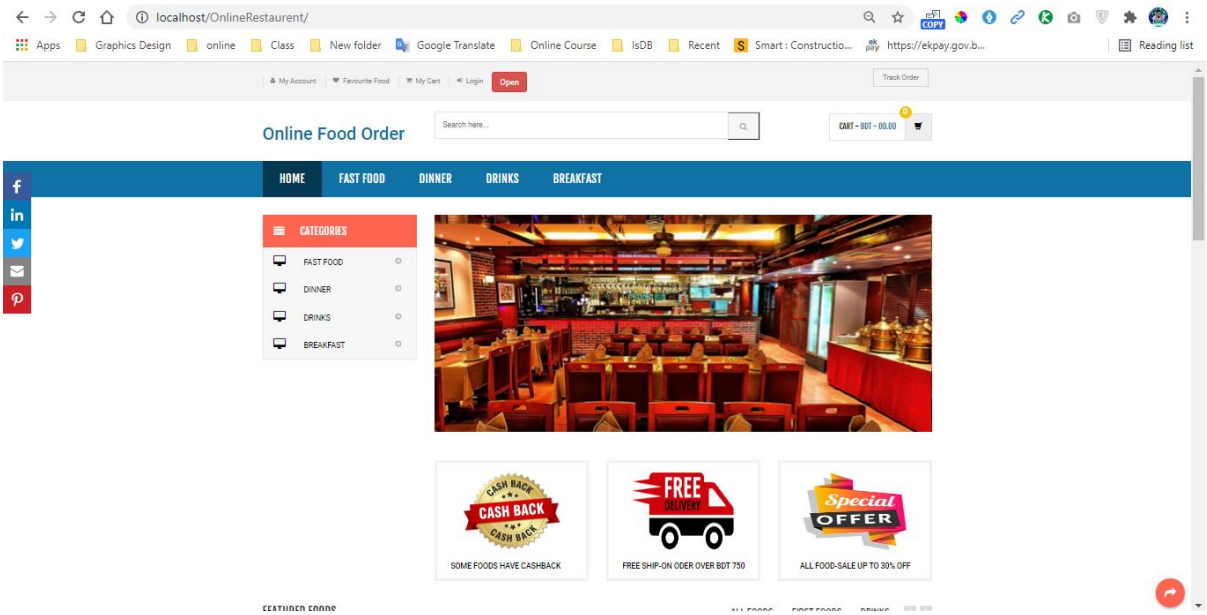
Feedback Module:
Based on food or everything about the restaurant, customer can send any suggestion or comment to the restaurant with feedback form. From this form, side of restaurant will know their weaknesses and strengths.

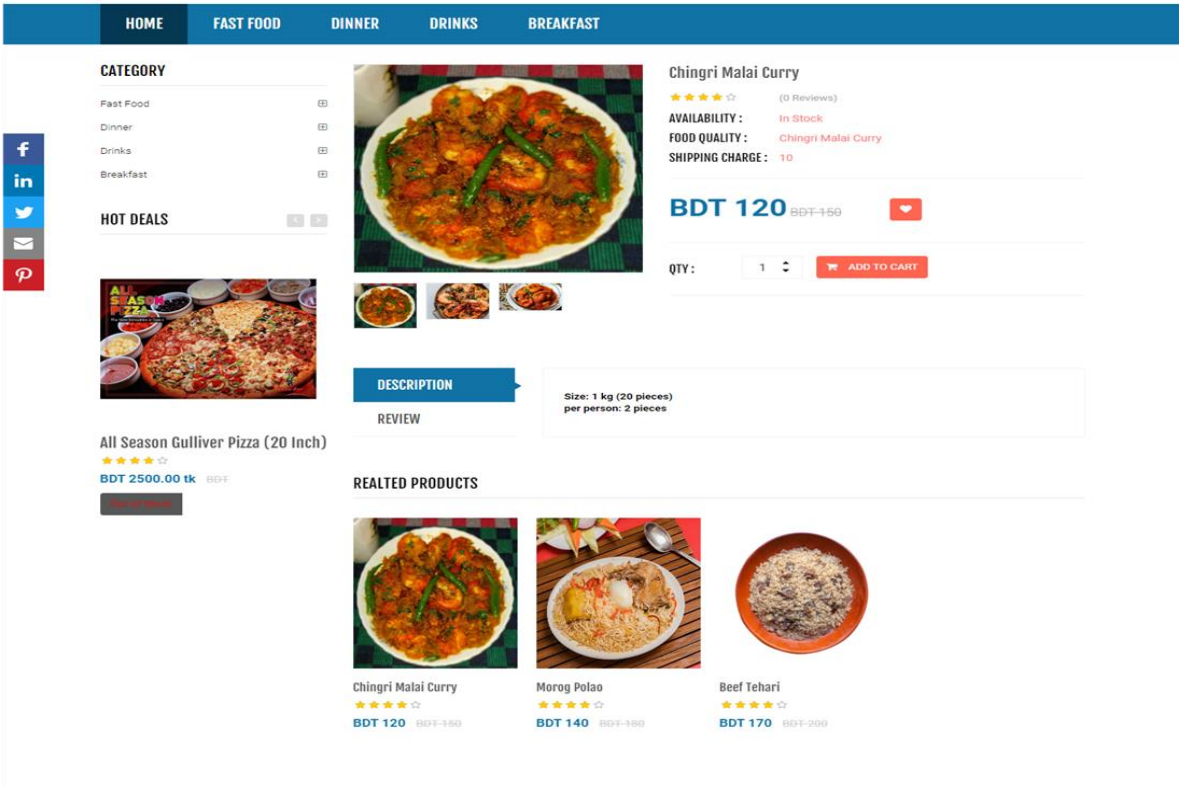
Chapter 3
User Module

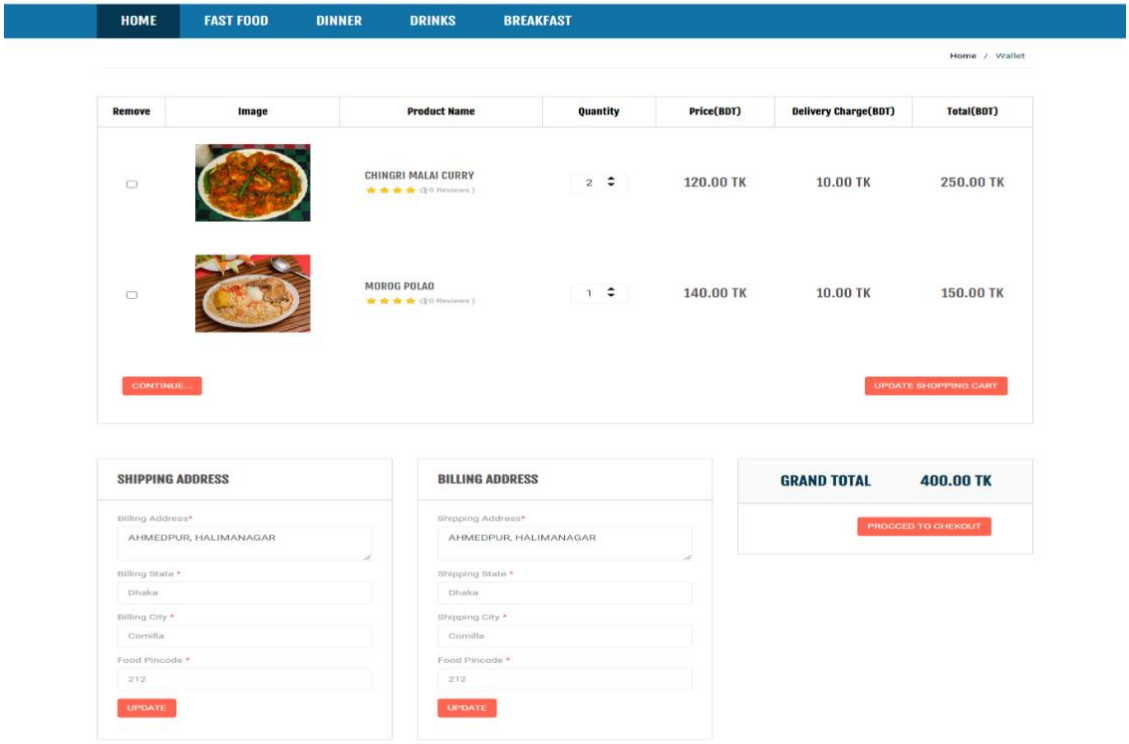
3.1 Introduction

The online restaurant management system is one of the latest servicers most fast food restaurants in the western world are adopting. With this method, food is ordered online and delivered to the customer. This is made possible through the use of electronic payment system. Customers pay with their credit cards, although credit card customers can be served even before they make payment either through cash or cheese. So, the system designed in this project will enable customers go online and place order for their food. Due to the great increase in the awareness of internet and the technologies associated with it, several opportunities are coming up on the web. So many businesses and companies now venture Into their business with ease because of the internet. One of such business that the internet introduced is an online food ordering system. In today's age of fast food and take out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until recently, most of this delivery orders were placed over the phone, but there are many disadvantages to this system. It is possible for anybody to order any goods via the internet and have the goods delivered at his/her doorsteps. But while trying to discuss the transfer method of the goods and services, attention is focused on the payment mode. In other words, how possible is it to pay for goods and services via the internet? This then leads to the discussion of the economic consequences of digital cash. What I propose is an online ordering system originally designed for use in college cafeterias, but just as applicable in any food delivery industry. The main advantage of this system is that it greatly simplifies the ordering process for both the customer and the restaurant. The system also greatly lightens the load on the restaurants end, as the entire process of taking orders is automated. Once an order is placed on the webpage that will be designed, it is placed into the database and then retrieved, in pretty much real-time, by a desktop application on the restaurants end.

3.2 User Module Design:




HOME
FAST FOOD
DINNER
DRINKS
BREAKFAST
CATEGORY
Fast Food
Dinner
Drinks
Breakfast
HOT DEALS
All Season Gulliver Pizza (20 Inch)
BDT 2500.00 tk
Chingri Malai Curry
(0 Reviews)
AVAILABILITY : In Stock
FOOD QUALITY : Chingri Malai Curry
SHIPPING CHARGE : 10
BDT 120 BDT 150
QTY : 1
ADD TO CART
DESCRIPTION
REVIEW
Size: 1 kg (20 pieces)
per person: 2 pieces
REALTED PRODUCTS
Chingri Malai Curry
BDT 120 BDT 150
Morog Polao
BDT 140 BDT 180
Beef Tehari
BDT 170 BDT 200


HOME
FAST FOOD
DINNER
DRINKS
BREAKFAST
Home / Wallet
Remove
Image
Product Name
Quantity
Price(BDT)
Delivery Charge(BDT)
Total(BDT)
CHINGRI MALAI CURRY
120.00 TK
10.00 TK
250.00 TK
MOROG POLAO
140.00 TK
10.00 TK
150.00 TK
CONTINUE...
UPDATE SHOPPING CART
SHIPPING ADDRESS
Billing Address*
AHMEDPUR, HALIMANAGAR
Billing State *
Dhaka
Billing City *
Comilla
Food Pincode *
212
UPDATE
BILLING ADDRESS
Shipping Address*
AHMEDPUR, HALIMANAGAR
Shipping State *
Dhaka
Shipping City *
Comilla
Food Pincode *
212
UPDATE
GRAND TOTAL 400.00 TK
PROCCED TO CHEKOUT

Home Page:
On the home page, we can see directly the list of menu for sale, schedule of reservation, messages and contact information.

Food Menu:
In this section, user can view which food available in restaurants. The menu module is food that the restaurant prepared for the customer. Customers can see the menu from the website and make the decision for what to order.

Schedule of Reservation:
Reservations can help minimize the number of open tables in a restaurant and maximize daily earnings.

My Accounts:
In this section, user can his/her password, view and update his/her profile and log out from accounts. In this section, the user can also view order history.

Login and Logout:
By default one of the security features of this system is the secure login and logout system. The login and logout system of this inventory management system source code in PHP uses a session. It means that the user can only log in at once on the same browser.

Messages:
Based on food & everything about the restaurant, the customer can send any suggestions or report any bad side about the restaurant on the feedback page. Thus, the management will know their mistakes & can improve their performance.

Contact Us:
On the contact us, the front-end user can contact through phone number or can message to the email.

Cart Options:
In this section, user can add the food which he/she want to order and also delete the already added food items.

Advantages:

- Decreases workload.
- Save time.
- Customer can easily order food
- Can easily track sale information

Limitations:

For upcoming improvement, there are some proposals to advance our project abilities.

- There is no email verification system.
- There is no online bill payment system.
- There is no security protection such as SSL, Site lock.
- SMS alert system is not available right now.
- There is no online secured payment getting system.

Future Plans:

- We will add more features to improve our project.
- There will be email verification system.
- We will add SSL security system.
- New product update newsletter will be added.
- SMS alert system is easier for the customer.
- We also work on online payment gateway integration.
- Additionally, it is just a beginning. Supplementary the system may be used in various
- Other types of reviewing process.

Chapter 4
Conclusion

The Online Restaurant Management System is for computerizing the working in a restaurant. It is a great improvement over the manual system. The computerization of the system has speed up the process. In the current system, the front office managing is very slow. The restaurant managing system was thoroughly checked and tested with dummy data and thus is found to be very reliable. The software takes care of all the requirements of an average restaurant and is capable to provide easy and effective storage of information related to customers that come up to the restaurant. It provides the home delivery facilities to the customer. It also billing facility such as cash on or pay with bkash. The system is also provides location flexibilities in Dhaka city.

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