

ONLINE FOOD SERVICES

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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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DHAKA, BANGLADESH

OCTOBER- 2019

APPROVAL

This Project/internship titled **"Online Food Ordering Service"**, submitted by **Mithun Nandi**, ID No: **142-15-3552** 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 **06/12/2019**.

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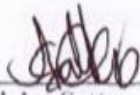
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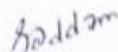
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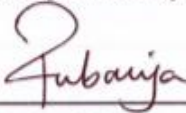
We hereby declare that, this project has been done by us under the supervision of **Md. Azizul Hakim, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year project/internship successfully.

We really grateful and wish our profound our indebtedness to **Md. Azizul Hakim, Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of My supervisor in the field of Website Development makes me to carry out this project. His endless patience ,scholarly guidance ,continual encouragement , constant and energetic supervision, constructive criticism , valuable advice ,reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratitude to , Dr Syed Akhter Hossian, and Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

This website development based project titled ‘online food service’ is built by purpose of helping people to get their favorite restaurant foods easily. in every day life somehow we fell the importance of knowing the information, packages, offers, and ordering foods easily. In this internet era why to waste extra time by visiting every restaurants and getting information about them. But through this well build website we can not only get informed but also can order food items from these restaurants and pay by delivery. This website also helps to book restaurant for other purpose. I hope people would give response by using this website.

The website and application runs on Open Source software, the website is written in PHP and the admin panel application is written in PHP & Java Script uses MySQL as the database manager. Respectfully judging the other restaurant related websites, we can assure that this system is the most users friendly and nourished information based website indeed.

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CHAPTER 1

Introduction

1.1 Introduction:

In this revolutionary time of digitalization one of the most important part in our life is Internet. It contains almost every solution to make living flexible and gives us the ability to manage our needs digitally. For getting some more from massive internet area I've designed a website names Mobile Restaurant Service.

By this website we can get the best restaurants in an area, choose dishes and order from the restaurants easily. It saves time and built carefully keeping an environment that is friendly for both users and host.

1.2 Motivation:

Now a days as everything digitalizing, people are getting more used to internet. So it would be more reliable if we can also get our favorite foods easily in hand which is possible through internet as a welly developed website. I think as there is opportunity so why don't we use internet to get something more useful.

1.3 Objectives:

- ❖ Providing information about restaurants in user's interested area.
- ❖ Easiest way to enquiry about restaurants, pre-book, order.
- ❖ Gathering informations about restaurants in the city.
- ❖ Simple and easy to use interface.

1.4 Expected outcome:

About outcome I wish that this website will help people without creating any problem or issue. As the developer of this website I hope users will love the experience. And most importantly it will maintain a good relationship among the users and hosts. User satisfaction is most important to inspire developers.

CHAPTER 2

Background

2.1 Introduction:

This website is designed and built using detailed information about restaurants in user's area. The reports and reviews are carefully observed for user satisfaction. I tried to make the situations less complex as possible so in this website every action is understandable for new or old users.

2.2 Related Works:

- ❖ User can browse and see area based restaurants and their available menu.
- ❖ In case of book and order, act and review user need to register by signing up.
- ❖ User can book or place single or multiple order from different restaurants.
- ❖ User can rate, review and complain about order.
- ❖ Host can add, delete, edit items and restaurants.
- ❖ Host can manage orders.

Relative websites for online food ordering system:

HungryNaki-

It is a website for online food order, it gives the facility to deliver foods from some specified restaurant.

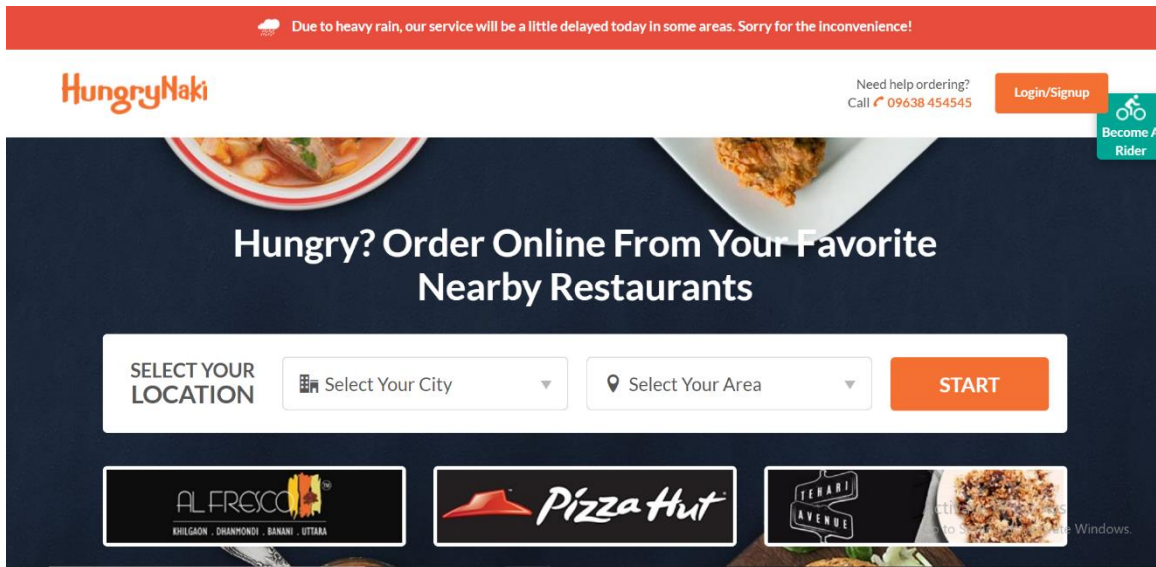


Fig 2.2.1: hungry naki

Foodmart.com.bd-

Foodmart.com.bd is another website about food ordering. It is more likely a online food shop.

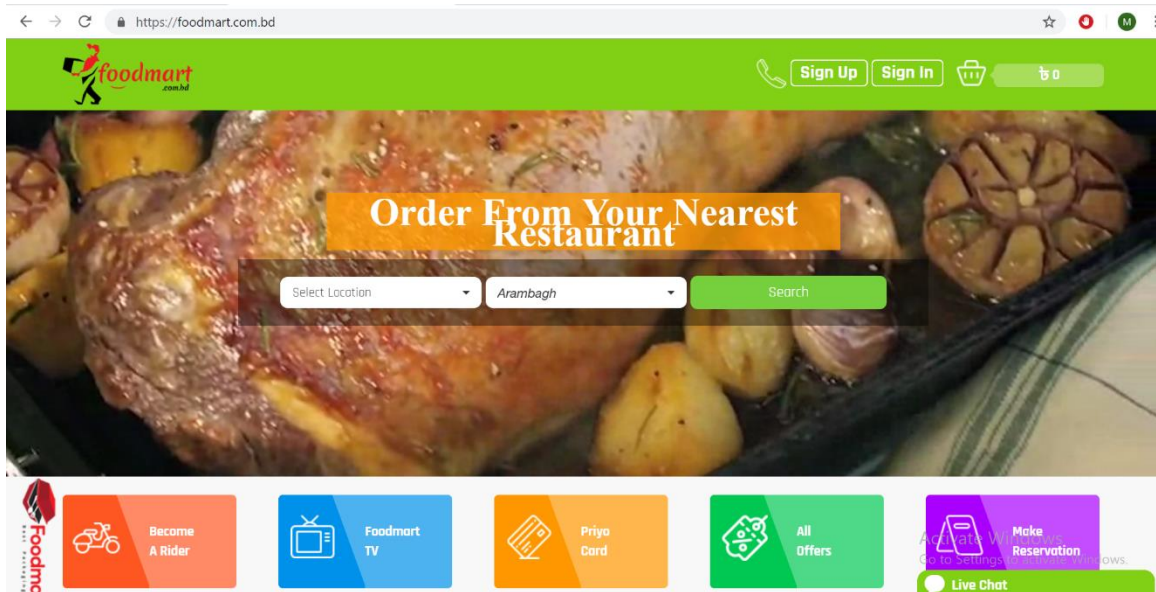


Fig 2.2.2: foodmart.com.bd

Foodpanda-

Foodpanda is also a online food ordering website, they also give the facility to deliver foods. Is also works only with some specified restaurants.

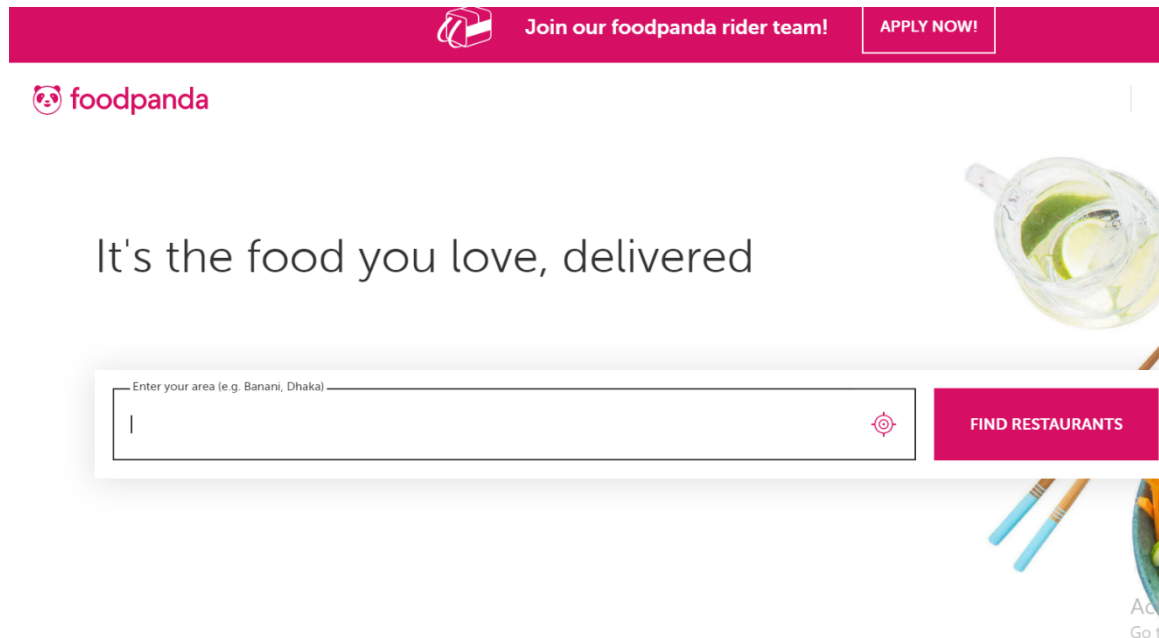


Fig 2.2.3: Foodpanda

2.3 Comparative Studies:

I have studied some alike websites for different purposes, some shows almost similler features. But there is no other website gathered more information specifically about restaurants in Bangladesh. My website allows user to pre book any available restaurants for special occations which is unique in the present days. I've made the Reservation process simple and easy. In case of reservation food menu can be customized and pre ordered.

2.4 Challenges:

The main challenge I've faced making this website which is information and data collection. As we know restaurants and there location changes in Bangladesh. Collecting

information about all of these is hard enough. I have studied every possible source including internet to keep the website up to date. Here maintaining communication with the restaurant authority is so much important.

User satisfaction is the biggest challenge in website industry. So every tests were observed carefully to prevent bugs and issues.

CHAPTER 3

Requirement Specification

3.1 Introduction:

This chapter contains the full plan of the project. Use case diagram is shown to understanding the relationship between the actors. This chapter also included description and BPM diagram. Here I've briefly described about all requirements. At last I got a data flow diagram for better understanding.

3.2 Use Case Diagram:

The use case diagram of mobile restaurant service is shown below:

Use case Diagram of user:

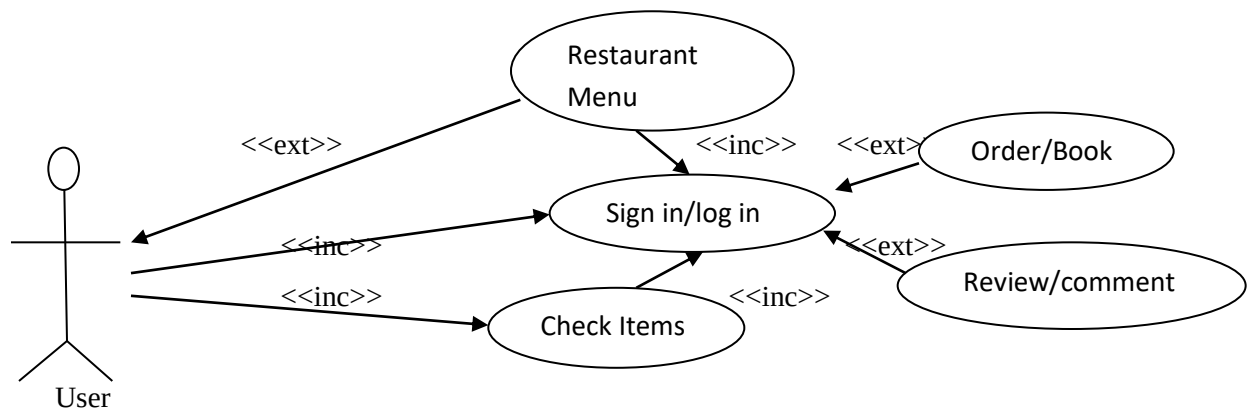


Fig 3.2.1: use case diagram for user

Use Case Diagram for Admin/Host-

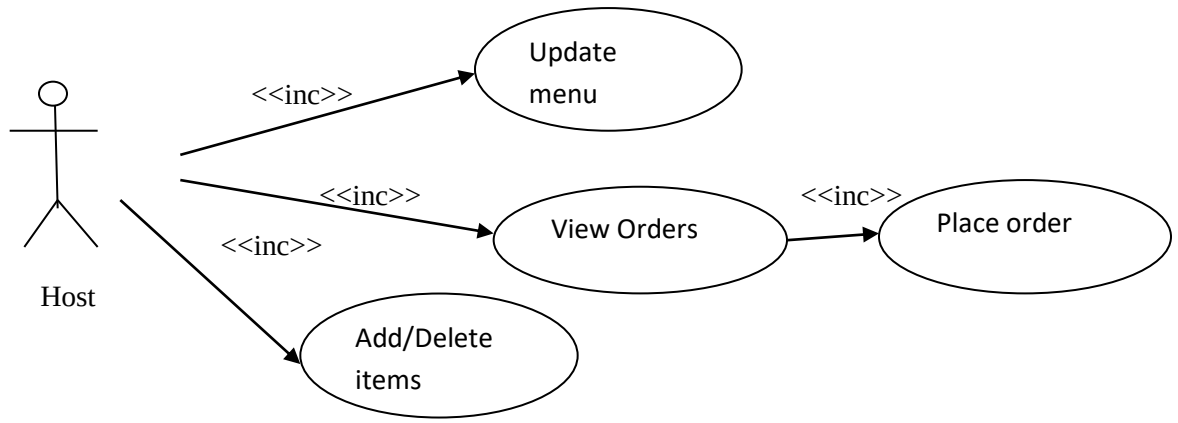


Fig 3.2.2: use case diagram for admin

3.3 Business Processing Modeling:

If someone need food without making long distance than he/she can browse this site and see the items and available options. But user must need to register for ordering facilities. When a customer place an order than its shown in host/admin portal. As customer confirms order the admin does other formalities with restaurant operator. In this process I have made a BPM.

The BPM diagram is given in the next page.

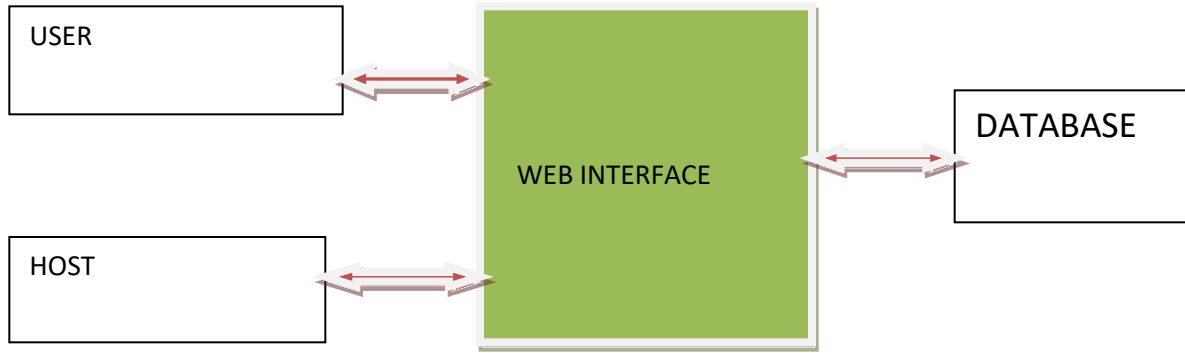


Fig: 3.3 BPM model

3.4 Logical Design Modeling:

Logical design modeling diagram is given below:

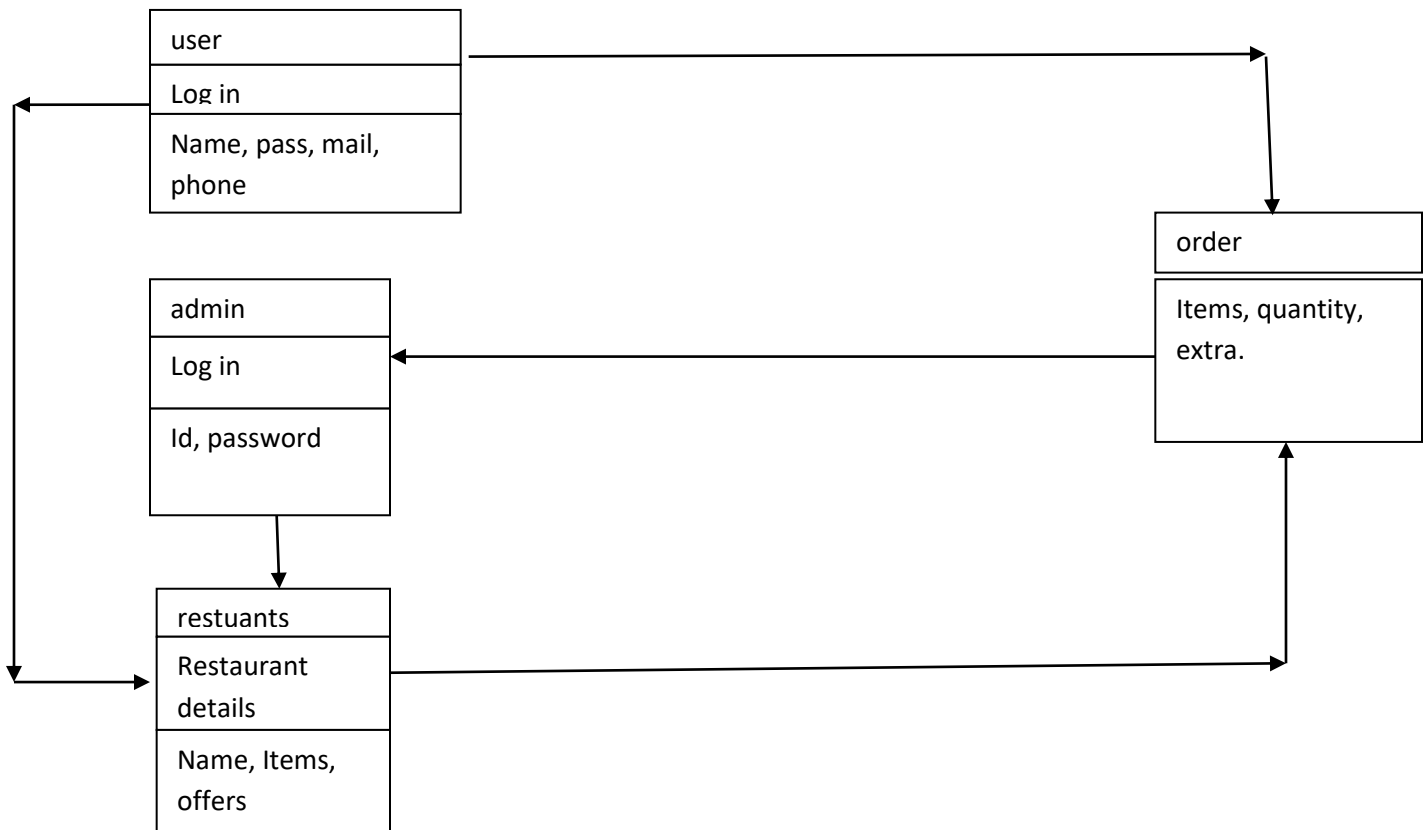


Fig 3.4: logical design model

3.5 Design Requirements:

For designing the website I used various types of language. The main purpose and function of this website to getting their favorite restaurants in hand. For restaurants and its items I needed to build different pages. Another thing is to help user to place their order simply. User data and restaurant data protection and management is another important thing that done by the best server available.

Supportive environment for coding and design required some software.

Designing the forms for user and restaurant menu made attractive as much as I could. I used Notepad++, Bracket, Xampp and apache server for database design.

CHAPTER 4

Design Specification

4.1 Front End:

The Front End is based on Html, CSS and javascript.

In this project for front end html used to Create and save documents.

For attractive and nice layout I used CSS(cascading style sheet),

For responsive design and mobile friendly site I used Bootstrap.

Javascript is used for making the webpage's alert and template boxes.

4.2 Back End:

The back end of the site is built by using mainly php and MySQL.

Php allows to create dynamically generated webpage which is the core language of my project.

Mysql is used to manage all data related the site. Is is the main data storage of the website.

4.3 Implementation design and UX:

Interaction designs can be categorized by words, visual representation, physical objects and space and time behavior. I tried to maintain these qualities in my website. The words, images, animations and conditions I used in the website built by noticing about user satisfactory. I tried to make it simple for user in front end panel.

Backgrounds and script alerts are easy to understand.

Symbols and buttons are noticed easily.

Here is shown an example of UX Sign up page:

Back end:

This back end coding represents the user login form.

```
1 <?php\n2 session_start();\n3 if(isset($_POST['signin']))\n4 {\n5     $email=$_POST['email'];\n6     $password=md5($_POST['password']);\n7     $sql ="SELECT EmailId,Password FROM tblusers WHERE EmailId=:email and Password=:password";\n8     $query= $dbh->prepare($sql);\n9     $query->bindParam(':email', $email, PDO::PARAM_STR);\n10    $query->bindParam(':password', $password, PDO::PARAM_STR);\n11    $query->execute();\n12    $results=$query->fetchAll(PDO::FETCH_OBJ);\n13    if($query->rowCount() > 0)\n14    {\n15        $_SESSION['login']=$_POST['email'];\n16        echo "<script type='text/javascript'> document.location = 'package-list.php'; </script>";\n17    } else{\n18        echo "<script>alert('Invalid Details');</script>";\n19    }\n20 }\n21 }\n22 }\n23 }\n24 }\n25 }\n26 }\n27 }\n28 <div class="modal fade" id="myModal4" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">\n29 <div class="modal-dialog" role="document">\n30 <div class="modal-content modal-info">\n31 <div class="modal-header">\n32 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">x</span></button>\n33 </div>\n34 <div class="modal-body modal-spa">\n35 <div class="login-grids">\n36 <div class="login">\n37 <div class="login-left">\n38 <ul>\n39 <li><a class="fb" href="#"><i>Facebook</i></li>\n40 <li><a class="goog" href="#"><i>Google</i></li>\n41 </ul>\n42 </div>\n43 <div class="login-right">\n44 <form method="post">
```

Fig 4.3.1 design sign up page

Front end:

The front end original sign in form looks like this.

Create your account

Full Name

Mobile number

Email id

Password

CREATE ACCOUNT

Fig 4.3.2 front end sign up page

4.4 implementation requirements:

As I discussed i used many kind of language, php was used as server side language.

- ❖ Through php I coded the database connection in Phpmyadmin. It also helped me to make data secure from sql injection type situations.
- ❖ CSS used to design the visual contents.
- ❖ jQuery was used to make appropriate plugin.
- ❖ Bootstrap made the website more responsive.
- ❖ Json and Ajax required to build it dynamically strong.

CHAPTER 5

Implementation and Testing

5.1 Database Implementation:

In this chapter I will explain about the Database structuring and implementing. Here I will also talk about the tables.

For database I used XAMPP to create a local server. All datas of the user and restaurants will be in this local server. For example the user data like username, password, email, phone etc will be stored in different tables created by different types of variable.

like

```
( id =int;  
  username=char;  
  email=varchar;  
  phone= num;  
)
```

By same way I designed the table for items, packages, order etc.

5.2 Implementation of interaction:

HTML and HTML5 was used to design the layout of this website. It is customized with CSS and CSS3 to make more smart. For different platform and browse support I used Bootstrap. I also used javascript to customize the browser and making it more user friendly. Whenever user requests for order that would be received by host by the loadtime of html page. And most will take other actions relative as the user need.

Database design is shown below:

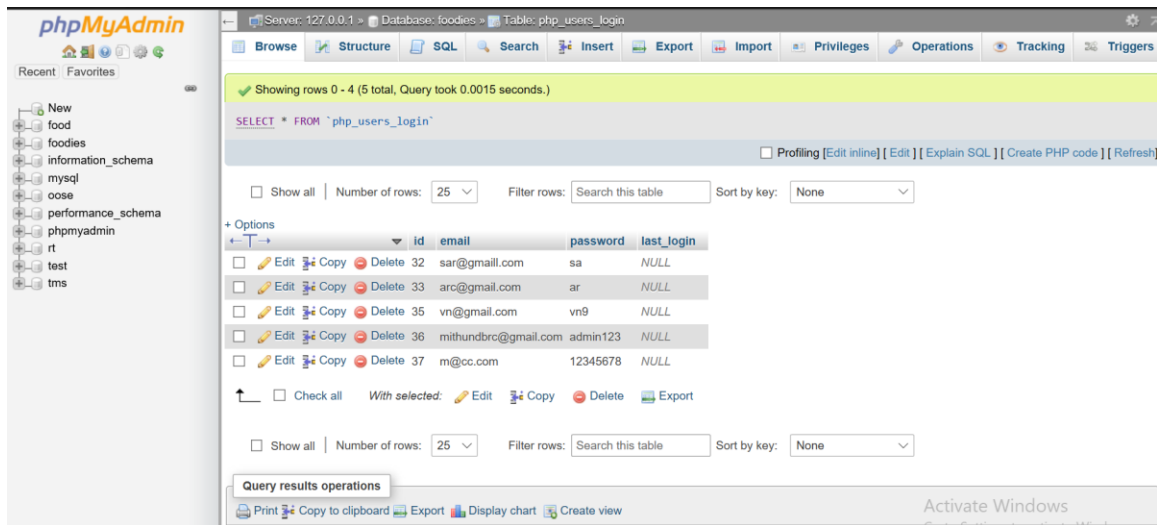


Fig 5.1.1: user sign up database

There are six tables in this database, they are (items, orders, order_details, users, ticket, and ticket details)

The tables are shown below:

☐ items	★	Browse	Structure	Search	Insert	Empty	Drop	5	InnoDB	latin1_swedish_ci	48 KiB	-
☐ orders	★	Browse	Structure	Search	Insert	Empty	Drop	6	InnoDB	latin1_swedish_ci	48 KiB	-
☐ order_details	★	Browse	Structure	Search	Insert	Empty	Drop	14	InnoDB	latin1_swedish_ci	64 KiB	-
☐ tickets	★	Browse	Structure	Search	Insert	Empty	Drop	1	InnoDB	latin1_swedish_ci	32 KiB	-
☐ ticket_details	★	Browse	Structure	Search	Insert	Empty	Drop	4	InnoDB	latin1_swedish_ci	48 KiB	-
☐ users	★	Browse	Structure	Search	Insert	Empty	Drop	6	InnoDB	latin1_swedish_ci	48 KiB	-

Fig 5.1.2: main database attributes

5.3 Testing Implementation:

Without testing a project can't be launched, so I tested it with different browsers and tools. I also tested it by different users.

5.4 Test reports:

Some test reports with different people is given below.

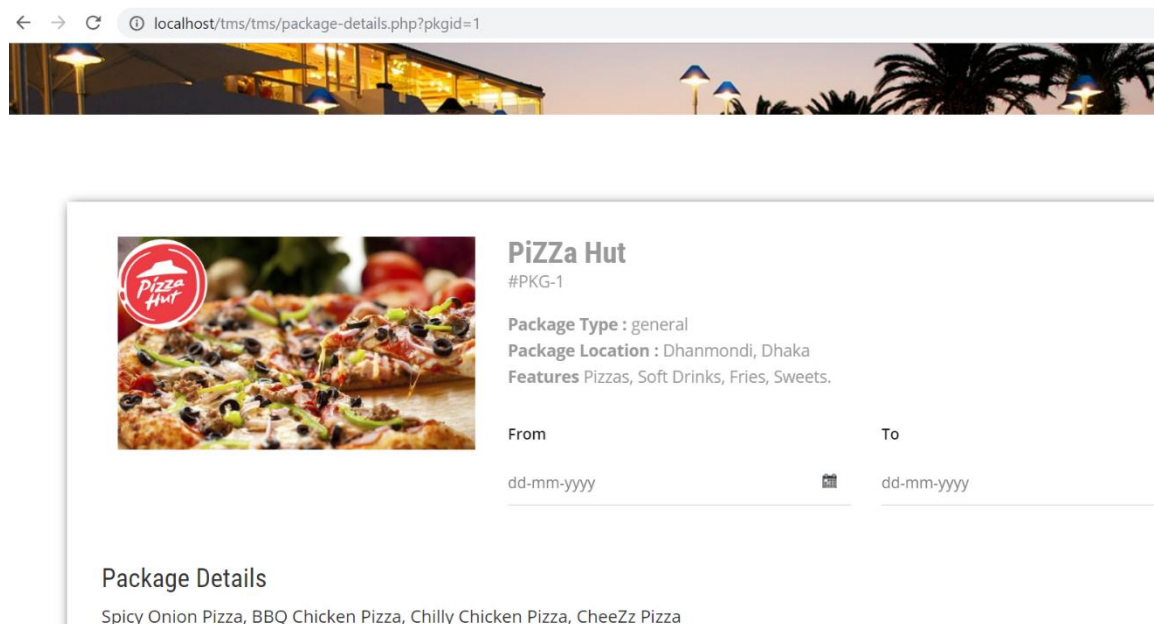
Package details testing—

```
1 <?php
2 session_start();
3 error_reporting(0);
4 include('includes/config.php');
5 if(isset($_POST['submit2']))
6 {
7     $pid=intval($_GET['pkgid']);
8     $useremail=$_SESSION['login'];
9     $fromdate=$_POST['fromdate'];
10    $todate=$_POST['todate'];
11    $comment=$_POST['comment'];
12    $status=0;
13    $sql="INSERT INTO tblbooking (PackageId,UserEmail,FromDate,ToDate,Comment,status) VALUES (:pid,:useremail,:fromdate,:todate,:comment,:status) ";
14    $query = $dbh->prepare($sql);
15    $query->bindParam(':pid',$pid,PDO::PARAM_STR);
16    $query->bindParam(':useremail',$useremail,PDO::PARAM_STR);
17    $query->bindParam(':fromdate',$fromdate,PDO::PARAM_STR);
18    $query->bindParam(':todate',$todate,PDO::PARAM_STR);
19    $query->bindParam(':comment',$comment,PDO::PARAM_STR);
20    $query->bindParam(':status',$status,PDO::PARAM_STR);
21    $query->execute();
22    $lastInsertId = $dbh->lastInsertId();
23    if($lastInsertId)
24    {
25        $msg="Booked Successfully";
26    }
27    else
28    {
29        $error="Something went wrong. Please try again";
30    }
31 }
32 }
33 >>
```

Fig 5.4.1 : package details

After running:

← → ↻ localhost/tms/tms/package-details.php?pkgid=1



PiZZa Hut
#PKG-1

Package Type : general
Package Location : Dhanmondi, Dhaka
Features Pizzas, Soft Drinks, Fries, Sweets.

From To
dd-mm-yyyy dd-mm-yyyy

Package Details
Spicy Onion Pizza, BBQ Chicken Pizza, Chilly Chicken Pizza, CheeZz Pizza

Fig 5.4.2: package details front end.

CHAPTER 6

Conclusion and Future Scope

6.1 Discussion and Conclusion:

Online mobile restaurant service is a better way to get our favorite foods easily by any phone or pc. By the time of this project I had to learn the many principals of web development criteria. HTML5, CSS3, Php, MySql, JavaScript, jQuery etc.

I wish The avobe website would attract people to choosing their best option using this one. And that would be the thanks giving to me and all my respected teachers without their help I could not bring it alive.

6.2 Scope for Future Development:

I think there is a huge scope for developing this project in future. The current one is the first version. I wish to update new features in this website depending on user experience an need. Although I have tasted it for a long time, but I know our needs grow in time.

6.3 Limitations:

There are a few limitations in this system. As now I am using local host but in future it would be based on an actual domain address.

In this system the payment method limited in cash on delivery, bt I hope to update it into a digital payment method soon.

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