CHAPTER 1

INTRODUCTION

1.1 AIM OF THE PROJECTS

Hotel Food Ordering is a web-based system will help hotel to manage and controls their hotel. Web-based ordering system website which provides a link. The guest need to vist website of the hotel, and the guest can choose the menu then automatically the order will be send to the kitchen. There are various facilities provided so that the users will get service effectively. This system helps the hotel to do all functionalities more accurately and faster way. All they have to do is just scroll through the menu and tap to place an order. The current system is using traditional way which is paper menu and using paper sheets to record the orders of guest. Processing method of ordering in hotel increases efficiency, reduces human energy and time based. With a little help of website, it will ease the hotel workers to take food orders rather than use the traditional system. Hence, one of the advantages of the food ordering system with website is guest satisfaction. All the processing method of ordering in hotel increases efficiency and reduces energy and time based on website without the need to the presence of waiter at the table by eliminating some stages of traditional ordering. All the menu information will be save in the database and admin can manage the menu items easily at any time or anywhere.

1.2 Problem Statement

As mentioned previously, the existing system still using the traditional way which is the paper menu and waiters require to record down orders information from guest by handwriting. All the orders will be written on the paper sheets and will send to kitchen. The traditional ordering system brings inconvenience to both staffs and guest as it requires a lot of manual work. The manual work done by the staffs will cause some human errors such as the probability of paper lost is high and the kitchen's can misinterpret the handwriting of order. Sometimes, when the staffs write in hurry will make the handwriting difficult to understand. All these human errors will cause the guest dissatisfaction towards the restaurant. Hence, the hotel will always receive complaint from guest which are not satisfied with the services as they always receive the wrong order or not receive the order after a very long time. Besides, the paper sheets easily lost. Futhermore, the manual system is a waste of time and energy, this is because they need to go to the cafe to make an order write down manually and wait for the order to be submitted. Guest does not know the time for preparation for the food. Therefore, this hotel ordering system is

designed and developed to help the hotel to have a better management. By having this ordering system, the time of placing order has reduced. The guest does not need to wait to be served when they eat in the hotel. The guest will be more satisfied at this ordering system. One of the problems that faced by hotel that using traditional ordering system is the difficulties to update the new menu. Paper menu can't be changed once printed. The management can't easily update the new menu or the price on the paper menu. If they want to change the menu, they have to reprint again. This will increase the cost and wastage of paper. In addition to that, paper menu will damage from time to time.

Based on those problems, by implementing an electronic and efficient ordering service can avoid those problems happen. Hence, I proposed to develop an ordering system using website to solve the problems. By using the proposed system, the hotel productivity for guest satisfaction can be improved.

Objectives

There are the following objectives must be achieved in this project:

1. To analyze the current system features and problems before developing the new proposed system.
2. To design a user-friendly system that will surely satisfied the guest service.

Scopes

The scope of this project divided into 4:

Guest - Customer/User

- Guest able to check the food that available in hotel.
- Guest visit website of the hotel to order the menu.

Staff

- Staffs serves and send the food to the room ordered by the guests.
- Staffs are Staffs can updated status order from guest and able to know whether the guests are already order the food or not.

Admin - Hotel/Restaurants/Cafe/Stall owners

- Admin will add new menu, delete menu and update the food menu
- Admin can view the report and status orders that has updated from staff
- Admin generate the website

Limitation of Work

- ✓ The system does not include the online payment, but the guest will pay it after checked out from the hotel.
- ✓ This system can view through desktop and mobile view.

Expected Result

The expected result of the Hotel Food Ordering using website after completing the development is can achieve the target which is to help staff's hotel to manage food ordering easily and efficiently. Smart ordering is to enable real-time feedback between the staff's hotel and guests on the order status. This allowed the guest to know the preparation time of their order. To make graphical user interfaces more friendly and easily for guest to make food ordering and easily for the admin to update and customize the menu content on the guest devices. The staff's hotel does not need to inform verbally to guest one by one anymore.

Summary

In this chapter 1 focuses on the project introduction of the system, problem statement, objective, scope and limitation of work in the system. For the system, background explains the process of website. The problem statement is about why website important to make order more reliable. For this chapter 1 has the objective for this holding system that means the income of this project. The project scope focus on user and this project has a few limitations of works.

CHAPTER 2
LITERATURE SURVEY

Introduction

This chapter focused on the research that is directly or indirectly to the project. This topic is important for the development stages or the project. It contains information that will be implemented in this project. Analysis and observation from the existing system were made during this stage. Based on experience and observation on restaurant/cafes I have found out that hotel owners have the problem to manage their orders from using the manual system. These methods of taking orders are proven to be time-consuming and redundancy of orders always happens. Besides, guest complain on the bad service of the staff can give a bad reputation to a hotel. So to solve this problem, understanding of the existing project is a must to determine the best way to develop the project. A series guided steps must be taken in order to ensure the success of the system.

2.1 Existing system

To develop a successful system to order food via mobile phones where needed to scan QR Code studies are being made based on existing application and system. The business flow of this application is collected based on information gathered after installing and reviewing on how the application actually works. A few samples of applications and systems related to this project were studied through. Studies of these systems are vital to develop a working, reliable, hassle-free and efficient hotel food ordering system using website.A mobile application, most commonly referred to as an app, is a type of application software designed to run on a mobile device, such as a smartphone or tablet computer. Mobile applications frequently serve to provide users with similar services to those accessed on PCs. Apps are generally small, individual software units with limited function. This use of app software was originally popularized by Apple Inc. and its App Store, which offers thousands of applications for the iPhone, iPad and iPod Touch. A mobile application also may be known as an app, web app, online app, iPhone app or smartphone app. The simplest mobile apps take PC-based applications and port them to a mobile device. As mobile apps become more robust, this

technique is somewhat lacking.A more sophisticated approach involves developing specifically for the mobile environment, taking advantage of both its limitations and advantage
For example, apps that use location-based features are inherently built from the ground up with an eye to mobile given that the user does not have the same concept of location on a PC.

2.2 Proposed System

Nowadays, internet is widely used in everywhere. People use internet to perform their tasks every day, such as chat with family and friends, communicate with colleagues, search information and many more. Internet is very convenient to the people as almost everything can be done by internet. The telecommunication and internet has growth rapidly. There are some industries starting to apply this technology into their business. This will help their business be more efficient.The user can access to data and services from a remote server, which will allow the user to access the databases across the network or internet. Most of the handheld devices support this wireless technology because they allow the user to access the database to retrieve the data. People nowadays use mobile devices to work and access with data and information. It is because the mobile devices are cheap and small. PDA which is Personal Digital Assistant is the mobile device that suitable for business applications. They have the ability to access data and information from remote locations (Khairunnisa, K et al, 2009). In this ordering system, the waiters take the orders from the customers by using the PDA. Then, the waiters will send the order to the kitchen via web-based wireless application. The order of the customers will be displayed on a computer screen in the kitchen. The kitchen staff will refresh the list when the food is ready to be served. The waiters will be informed through the PDA. Then, they will serve the food to the respective table. This system will increase the efficiency of the services as the waiters do not need to take an order using paper anymore. The strength of this system is the time in taking order has reduced. The waiter does no need to walk to the customers and take the order from them. They also no need to walk back to the kitchen to inform the chef what food has ordered. The customers can just make their order through the PDA and the order will display in the kitchen. Especially during the peak hours such as lunch time and dinner time, the customers do not need wait for a long time to be served. The weakness of this system is it does not support real-time feedback. The customers are not allowed to provide their feedback after they finish their meal. It is because PDA can only use to make their order. PDA does not provide any order status feedback to let the customers to fill in.This system and the proposed system have the similarity which is the time in taking order is reduced. Both of this

system do not need the customers wait to be served. They can place order themselves using the system. The proposed system also does not support the real-time feedback. If the customers want to give feedback, they need to speak directly to the staff.

Point of Sale System

Point of sale system which is also known as POS system, is a combination of hardware and software that allows the staff to perform some tasks. There are a lot of businesses using this system to operate their daily transactions including restaurants, hospitals and hotels.

POS system includes few hardware such as display pole, printer, handheld device, terminal and cash register. Display pole is used to show the price of the item when the item is scanned. Printer is used to print the receipt after the customers make their payment. Handheld device is used to accept the credit card payments from the customers. Terminal is the main screen that used to fill in the transaction details. Cash register is used to keep the cash. When the staff receives the cash from the customers, they keep the money inside the cash register ("Software Testing Help", 2018). When the customers go into the restaurant, they either make their order first at the counter or wait to be served by the waiter. If the restaurant requires the customers to order first, they need to queue up at the counter and make their order. Then, they only findtheir seats in the restaurant. The another way is the customers find their seat when they reach the restaurant. The waiter will serve the customers and help them to make the order

A restaurant might have more than one POS terminals. All terminals of the restaurant are connected to a file server. The configurations and settings are done on the server, then send back to the terminals. If the restaurant accepts credit card for the payment, third party provider is involved to perform the credit card processing. The data will send to the bank or third party when the staff performs credit card transaction. The strength of this system is it can reduce the time of taking order. This also can improve the satisfaction of the customers. By using this system, the duration of taking order is fast. It also can reduce the mistakes that will be done by the staff. It allows the staff to track the sales of the restaurant. The staff is allowed to generate daily and monthly sales report through this system. The staff also can view the history of all orders. Limitation of this system is the customers are tired of waiting on the queue. During the peak hours such as lunch time and dinner time, there are a lot of customers in in the restaurant. The customers need to wait for a long time to wait for their turn. Some of the customers might lose their patience and walk out from the restaurant. The difference of this POS system and proposed system is POS system requires the customers to queue up at the counter to make their

order. This system also allowed to be used by the staff only. The customers do not use the system directly, but they make the order through the staff. However, the proposed system let the customers to use the system themselves. They place their order themselves through the system.

Online Ordering System

Internet is very famous and it plays a huge role in people's life nowadays. People not only use it for communication, they also use for education purpose, work purpose and many more. Many company start to sell their items online because people nowadays like to purchase items online. People also like to purchase items through internet as it brings a lot of convenience to people. Restaurant industry also started to make use of internet to attract more customers. Some of the restaurant started to use online ordering system to let the customers to make their order. When the customers make the order through the internet, the data and information will send to the database of the restaurant. The order of the customers also will be displayed in the screen of the restaurant.

This online ordering system brings convenience to customers. The customers can choose the restaurant they like through the internet. They can view the menu of the restaurant and make their order through the website. They have two options to choose to have their food, whichare delivery or pick up. If they choose delivery, the deliveryman of the restaurant will send the food to the customer's house. On the other hand, if the customer chooses pick up, the customers can go to the restaurant to take their food. Payment of the food can be either cash, credit card or PayPal. The strength of this system is it is flexibility. The customers can order the food anytime and wherever they are. The customers just need to access to the interneusing mobile device or laptop to make their order. They do not need to waste their time to walk in to the restaurant to make their order. They also do not need to queue up in the restaurant. This has saves the customer's time. The limitation of this system is not all the people use internet. Some of the senior citizen does not know how to use internet. Therefore, they are unable to access to the internet to make their order. This system is unable to target all types of customers. Moreover, this system relies on internet. If there is no internet connection or the service provider is under maintenance, the customers are unable to access to the website. This will bring inconvenience to the customers. The similarity of this system and proposed system is both of this systems using internet to let the customers place order. The difference of both of this system is online ordering system is used to make an order when you are lazy to eat in the

restaurant. However, proposed system is used when the customers make their order themselves when they go into the restaurant.

Summary

Basically in this chapter several researched have been done in order to have a deep understanding of the method that is going to implement in proposed system. Besides a review of related existing systems also have been done at this chapter. From the existing system, we can have an idea of how the proposed system can be developed so that it is functioning well and benefit to all users.

CHAPTER 3
SYSTEM ANALYSIS

3.1 Introduction

This chapter concludes the final year report and outlines the future works for this system Hotel Food Ordering System in solving a real life problem. It will discuss the constraint of the system and suggestion to improve the system to be better in the further for future system development.

3.2 Project Contribution

"Hotel Food Ordering System" web-based system project is expected that it can be encouraged the citizens to use the system platform to use online order in their daily lives. Hotel Food Ordering System is developed to replace traditional ways of taking up orders using pen and pencil that are proven to be time consuming, messed up orders and make they wait too long for the waiters to serve them. The development of this system is solely to avoid those problems. This system allow guest to order their food while in the hotel without having to wait for the waiter to serve them instead they can do it from link

3.3 System Constraints

There are few of problems can be found during the process to achieve the project objectives. The problems during the development of the system as the following:

i. The system technology is growing very rapidly. The developer must alert the new update of system technology.
ii. This system does not have payment method. If the guests want to pay they have to do it on the counter after check out the hotel.

In future, this system can be improved in several ways. Firstly, get notification. Current system can notify guest about their food had delivered through when they have need to visit website for a second time to know that their food already sent to the room. So, it will be easier for user to get the notification at anytime and anywhere. Futhermore, adding more functionality such as can give some feedback, view order history, and rating also great added value for the system. Lastly, provide customizable menus to the system in the system where guests can add some notes on how they want their food, for example if guests want to add mores spicy on their food they can simply add notes through the system before order.

This paper focus on develop “cAPPeteria”, a food ordering application where the users can directly order through, customize the food quantity, confirm order and generate a one dimensional barcode on device A, controlled by the user, then the simulated code is scanned through device B, which will scan and decode the information encrypted to the image from device A.

3.4 Summary

In a nutshell, Hotel Food Ordering System project was developed to assist a variety of people either user or hotel. With development the system, it was systematically the management and planning to the user and hotel order service. So, the user can save their time and energy by directly order their meals while check in hotels. Then, the management on hotel site also became easy and systematic in managing the data. Finally, the developer hopes this system can use for business market and achieve the user expectation. So, the system can give a better solution or suggestion to them for improving the system in the future. Basically in this chapter several researched have been done in order to have a deep understanding of the method that is going to implement in proposed system. Besides a review of related existing systems also have been done at this chapter. From the existing system, we can have an idea of how the proposed system can be developed so that it is functioning well and benefit to all users.

CHAPTER 4

SOFTWARE AND HARDWARE REQUIREMENTS

In this system development process, there are two requirement that need to be fulfilled which are software requirement and hardware requirement.This is important to ensure the development of the project went well and for future references.

4.1 Software Requirements

- **Server:** xampp apache MYSQL PHP on multiplatform
- **Database**: mysql server through php my admin
- **Development** :html,css ,javascript

4.1 Hardware Requirements

Xampp runs on windows 10 hence the minimum hardware requirements of windows 10 considered below

- **Processor**:1 gigahertz or faster processo
- **Ram**:1 GB for 32 bit or 2GB for 64 bit
- **Hard disk space**: 16GB for 32bit OS or 20 GB for 64 bit OS
- **Graphics card**: direct X9 or later with WDDM 1.0 driver

CHAPTER 5

System Design and Modeling

5.1 Framework Diagram

The figure show 5.1 the context diagram (CD) of the application. This CD describe about overview of the system work. There are three entities involved that are guest, staff and admin. Then, the order will be sent through to the kitchen. While the staff site, after finished the order that will be sent to the guest room. The admin have to manage the menu in the system. Admin can add menu, update menu and delete menu.

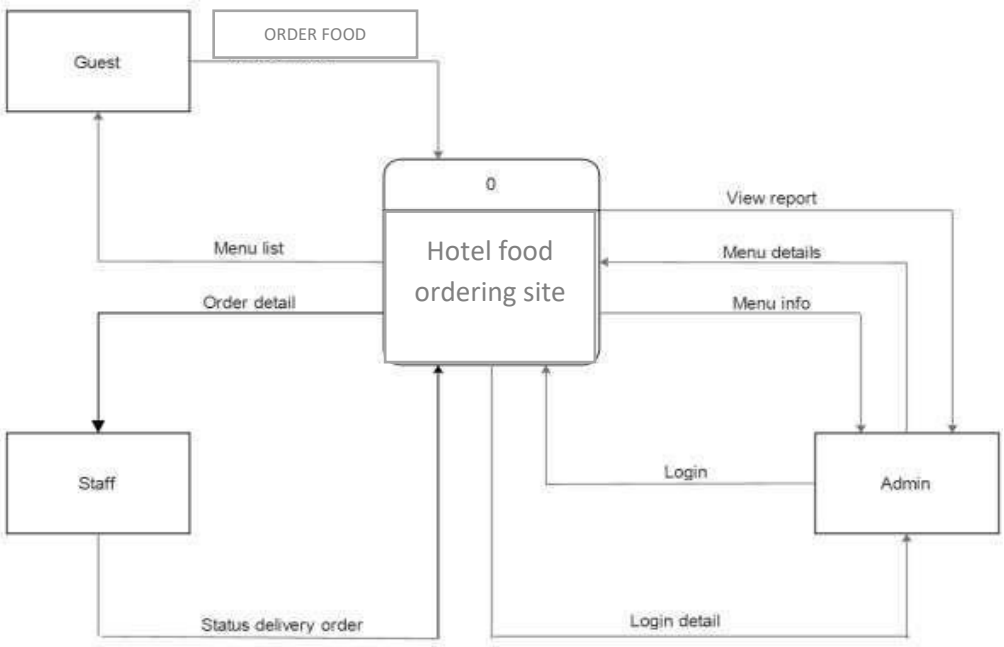

Figure 5.1: Context Diagram

5.2 Data flow Diagram

Based on figure 5.3, the guest can make an order. The order detail will be stored in table order. The guest can make an order and it will be send through to the kitchen.Guest also can add, update and delete the order detail.

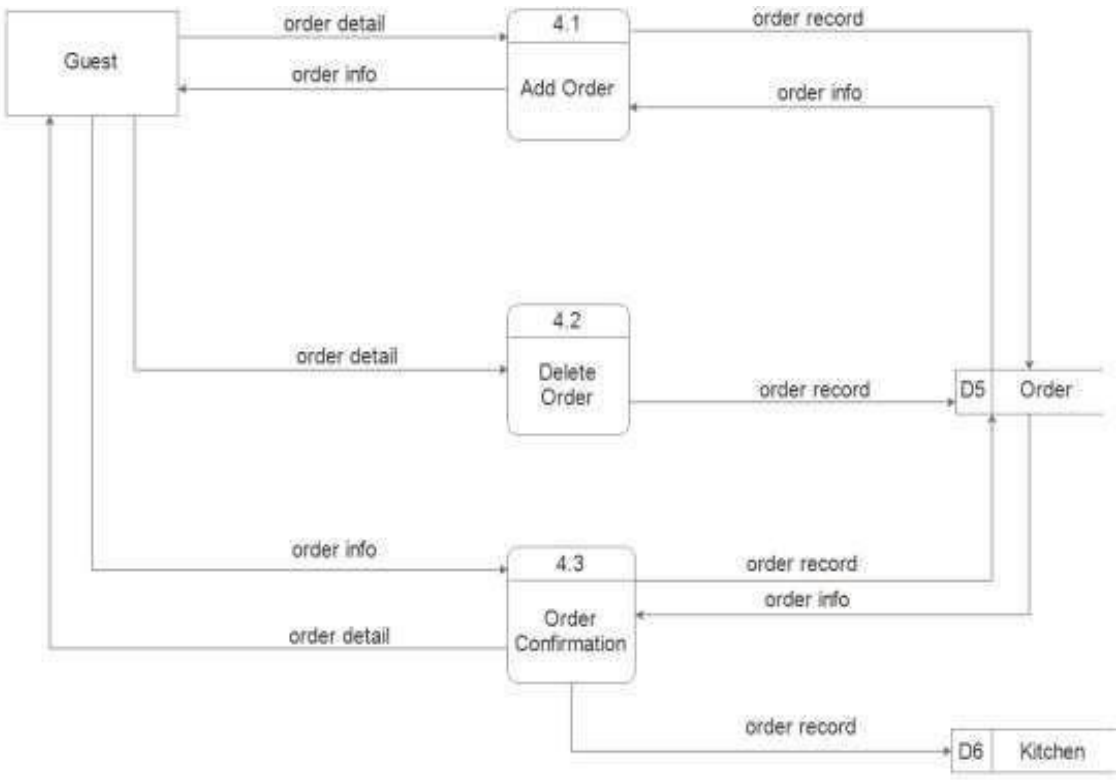

Figure 5.2: Data Flow Diagram Level 1 Process 4.0

CHAPTER 6

SYSTEM IMPLEMENTATION

6.1 Introduction

This project is implemented as a web-based system by using Hypertext PreProcessor (PHP) language to develop Hotel food Ordering System using website. This will help developer design, code, test and debug and execute the main process of the project

6.4 Modules

This is front end of this module is developed in HTML language and coverted to PHP language to link back end

```
<?php include('partials-front/menu.php'); ?>
    <!--food search section starts hear-->
   <section class="food-search" >
      <div class="container">
         <form action="<?php echo SITEURL; ?>food-search.php" method="POST">
            <input type="search" name="search" placeholder="search for food.." required>
            <input type="submit" name="submit" value="search" class="btn btn-primary">
         </form>
      </div>
    </section>
    <!--food search section ends hear-->
    <?php
      if(isset($_SESSION['order']))
      {
        echo $_SESSION['order'];
        unset($_SESSION['order']);
      }
    ?>
   <!--categories section starts hear-->
   <section class="categories" >
      <div class="container">
```

```
<h2 class="text-center">Categories</h2>
<?php
    //creat sql qery to display categories from database
    $sql = "SELECT * FROM tbl_category WHERE active='yes' AND featured='yes' LIMIT 3";
    //execute the query
    $res = mysqli_query($conn, $sql);
    //count rows to check whether the category is avaliable or not
    $count = mysqli_num_rows($res);
    if($count>0)
    {
        //categories available
        while($row=mysqli_fetch_assoc($res))
        {
          //get the values like id title,image_name
          $id = $row['id'];
          $title = $row['title'];
          $image_name = $row['image_name'];
          ?>
            <ahref="<?php echo SITEURL; ?>category-foods.php?category_id=<?php echo $id; ?>">
                <div class="box-3 float-container">
                 <?php
                 //check whether image is available or not
                 if($image_name=="")
                 {
                    //display message
                    echo"<div class='error'>image not available</div>";
                 }
                 else
                 {
                    //image available
                    ?>
```

```
                        <img src="<?php echo SITEURL; ?>images/category/<?php echo
$image_name; ?>" alt="fast food" class="img-responsive img-curver">
                        <?php
                    }
                    ?>
                    <h3 class="float-text text-wight"><?php echo $title; ?></h3>
                    </div>
                  </a>
                <?php
              }
            }
            else
            {
              //categories not available
              echo"<div class='error'>category not added</div>";
            }
        ?>
        <div class="clearfix"></div>
      </div>
    </section>
    <!--categories section ends hear-->
   <!--food menu section starts hear-->
   <section class="food-menu" >
      <div class="container">
       <h2 class="text-center">Explore foods</h2>
       <?php
         //getting foods from database that are active and featured
         //sql query
         $sql2 = "SELECT * FROM tbl_food WHERE active='yes' AND featured='yes' LIMIT
6 ";
         //execute the query
         $res2= mysqli_query($conn, $sql2);
         //count rows
```

```
$count2 = mysqli_num_rows($res2);
//check whether food available or not
if($count2>0)
{
  //food available
  while($row=mysqli_fetch_assoc($res2))
  {
     //get all the values
     $id = $row['id'];
     $title = $row['title'];
     $price = $row['price'];
     $description = $row['description'];
     $image_name = $row['image_name'];
     ?>
        <div class="food-menu-box ">
           <div class="food-menu-img">
              <?php
                //check whether image available or not
                if($image_name=="")
                {
                  //image not available
                  echo"<div class='error'>image not available</div>";
                }
                else
                {
                  //image available
                  ?>
<img src="<?php echo SITEURL; ?>images/food/<?php echo $image_name; ?>"alt="fries" class="img-responsive img-curver">
                  <?php
                }
                ?>
           </div>
```

```
                    <div class="food-menu-desc">
                      <h4><?php echo $title; ?></h4>
                      <p class="food-price"><?php echo $price; ?> rs</p>
                      <p class="food-detail">
                       <?php echo $description; ?>
                      </p>
                     <br>
                      <a href="<?php echo SITEURL; ?>order.php?food_id=<?php echo $id; ?>"
class="btn btn-primary">Order now</a>
                    </div>
                  </div>
                  <?php
                }
              }
              else
              {
                //food not aavailable
                echo"<div class='error'>food not available</div>";
              }
            ?>
              <div class="clearfix"></div>
          </div>
            <p class="text-center">
             <a href="<?php echo SITEURL; ?>foods.php">see All Foods</a></p>
      </section>
      <!--food menusection ends hear-->

     <?php include('partials-front/footer.php'); ?>
```

This is CSS code used to edit HTML

```
/*
    authore: ganesh v y;
    theme: restaurant food order;
    version: 1.0;
*/

/*css for all */
*{
    margin: 0 0;
    padding: 0 0;
    font-family: Arial, Helvetica, sans-serif;
}
.container{
    width: 80%;
    margin: 0 auto;
    padding: 1%;
}
.img-responsive
{
    width: 100%;
}
.img-curver{
    border-radius: 10px;
}
.text-right{
    text-align: right;
}
.text-center{
    text-align:center ;
}
.text-wight{
    color: white;
```

```
}
.clearfix{
    clear: both;
    float: none;
}
a{
    color:rgb(247, 96, 96);
    text-decoration: none;
}
a:hover
{
    color: rgb(251, 10, 10);
}
.btn{
    padding: 1%;
    border: none;
    font-size: 1rem;
    border-radius: 5px;
}
.btn-primary{
    background-color: rgb(243, 8, 98);
    color: black;
    cursor: pointer;
}
.btn-primary:hover{
    background-color: rgb(239, 14, 32);
    color: black;
}
h1{
    color: white;
    font-size: 2rem;
    margin-bottom: 2%;
}
```

```
h2{
    color: rgb(39, 36, 36);
    font-size: 2rem;
    margin-bottom: 2%;
}
h3{
    font-size: 1.5rem;
}
.float-container{
    position: relative;
}
.float-text{
    position:absolute;
    bottom: 50px;
    left: 30%;
}
.error
{
    padding: 2%;
    color:red;
}
.success
{
    padding: 2%;
    color:green;
}
/css for navbar section/
.logo{
    width: 13%;
    float: left;
}
.menu{
    line-height: 120px;
```

```
}
.menu ul
{
   list-style-type: none;
}
.menu ul li{
   display: inline;
   padding: 1%;
   font-weight: bold;
}
/* css for food search section*/
.food-search{
   background-image: url(../images/background.png);
   background-size: cover;
   background-repeat: no-repeat;
   background-position: center;
   padding: 6% 0;
}
.food-search input[type="search"]{
width: 30%;
padding:1%;
font-size: 1rem;
border: none;
border-radius: 5px;
}
/css for categories/
.categories{
   padding: 3% 0;
}
.box-3{
   width:30%;
   float: left;
   margin: 1%;
```

```
}
/*css for food menu */
.food-menu{
    background-color: #ececec;
    padding: 4%;
}
.food-menu-box{
    width: 43%;
    margin: 1%;
    padding: 2%;
    float: left;
    background-color: white;
    border-radius: 15px;
}
.food-menu-img{
    width: 20%;
    float: left;
}
.food-menu-desc{
    width: 70%;
    float: left;
    margin-left: 8%;
}
.food-price{
    font-size: 1.2rem;
    margin: 1% 0;
}
.food-detail{
    font-size: 0.8rem;
}
/* css for mobile sise or smaller sereen*/
@media only screen and (max-width:768px) {
    .logo{
```

```
    width: 80%;
    float: none;
    margin: 1% auto;
}
.menu ul{
    text-align: center;
}
.food-search input[type="search"]{
    width:90%;
    padding: 2%;
    margin-bottom: 5%;
}
.btn{
    width: 30%;
    padding: 2%;
}
.food-searc{
    padding: 10% 0;
}
.categories{
    padding: 10% 0;
}
h2{
    margin-bottom: 5% ;
}
.box-3{
    width: 95%;
    margin: 2% auto;
}
.food-menu{
    padding: 20% 0;
}
.food-menu-box{
```

```
        width: 90%;
        padding: 5%;
    }
}
```

This is backend of the project used to link front end and back end

```
<?php include('partials/menu.php');?>
        <!--main content section starts-->
        <div class="main-content">
            <div class="wrapper">
              <h1>Dashboard</h1>
              <?php
                if(isset($_SESSION['login']))
                {
                  echo $_SESSION['login'];
                  unset($_SESSION['login']);
                }
            ?>
              <div class="col-4 text-center">
                <?php
                  //sql query
                  $sql = "SELECT * FROM tbl_category";
                  //execute query
                  $res = mysqli_query($conn, $sql);
                  //count rows
                  $count = mysqli_num_rows($res);
                ?>
                <h1><?php echo $count; ?></h1>
                <br />
                categories
              </div>
              <div class="col-4 text-center">
              <?php
```

```
            //sql query
            $sql2 = "SELECT * FROM tbl_food";
            //execute query
            $res2 = mysqli_query($conn, $sql2);
            //count rows
            $count2 = mysqli_num_rows($res2);
          ?>
          <h1><?php echo $count2; ?></h1>
          <br />
          Foods
        </div>
        <div class="col-4 text-center">
        <?php
            //sql query
            $sql3 = "SELECT * FROM tbl_order";
            //execute query
            $res3 = mysqli_query($conn, $sql3);
            //count rows
            $count3 = mysqli_num_rows($res3);

          ?>
          <h1><?php echo $count3; ?></h1>
          <br />
          Total Order
        </div>
        <div class="col-4 text-center">
          <?php
              //creat sql query to total revenue generated
              //aggregate function in sql
              $sql4 = "SELECT SUM(total) as total FROM tbl_order WHERE
status='delivered'";
              //execute query
              $res4 = mysqli_query($conn, $sql4);
```

```
                //get the value
                $row4 = mysqli_fetch_assoc($res4);

                //get the total revenue
                $total_revenue = $row4['total'];
            ?>
            <h1><?php echo $total_revenue; ?> rs</h1>
            <br />
            Revenue Generated
          </div>
          <div class="clearfix"></div>
        </div>
      </div>
      <!--main content section ends-->
<?php include('partials/footer.php');?>
```

CHAPTER 7
SYSTEM TESTING

7.1 Introduction

A test case is a set of condition or variables under which a tester will determine if a requirement upon a system is partially or fully satisfied. Test case also can define as a sequence of steps to test the correct behavior of functionality or feature of a system. There is a list of steps, test, procedures and expected outcomes would be stated in a test case. The test cases for login, insert new data of user, update the user profile and display all the data menu information and status order. The test case for the main system which database for the user (guest, staff) and order service.

7.2 Testing Analysis

Testing is needed to test system full function and free error. There are four types of testing that was carried out in this system which are unit testing, integration testing, system testing and test case. All four types of tests will be explained in the next section.

7.3 Unit Testing

Unit testing was carried out in the development process as a unit or module that being coded. It is done to verify the correctness of the module and check either each individual unit is functioning as expected.

7.4 Integration Testing

After unit testing was done, the next phase is integration testing. Integration testing is carried out in order to make sure that every unit or modules are interacting with each other. It is necessary to test every module since if one module fail, it will affect all modules developed in the system.

7.5 System Testing

System testing can be done after unit and integration testing above iscompleted. The aim in this phase is to find out the small error that might unnoticed in the previous testing phases.

The system testing phase is very important to evaluate if the complete system has met its requirements as proposed in this final year project.

7.6 Test Case

Test case is a set of condition or variables under which a tester will determine whether a system under test satisfies requirements or works correctly. The process of developing test cases can also help find problems in the requirements or design of a system. The test case for login, analysis and log out will be shown below.

In this system, user (Admin and Staff) need to login to access the system.

Test Case for User Login

Test Case for User Login		
Steps	Test Procedure	Expected Result
1.	Admin goes to system homepage	View system homepage
2.	Click the “Login” button to enter page login	View login page
3.	Admin enters the following details in the login form: Username: alya@gmail.com Password: admin	
4.	Admin click “Login” button	Login page loaded. Login is successful and redirected to menu page.

Add menu is the functions that allow user (admin) used to add food to system menu list. shows the test case for Add Food Item.

Test Case Add Food Item

Test Case for Add Food Item		
Steps	Test Procedure	Expected Result
2.	Admin click the “Add Food” button to enter page add food	View add food page
3.	Admin insert the following details: Food Name: Kuey Tiaw Ladna Food Image Category: Lunch Price: RM8 Description: Fresh Prawn	
4.	Admin click “Add Item to Menu” button	Add food item page loaded. This system will process the addition and saves into database.

In this system, order food is the function that allow user which is the guest to make an order. shows the test case for User Order Services.

Test Case for User Order Service

Test Case for User Order Service		
Steps	Test Procedure	Expected Result
1.	User click on website goes to system homepage	View system homepage and will appears that “Menu Order” button
2.	User click the “Menu Order” button	Redirected view menu page

User can place order in this system and store menu in the cart. Table 4.4 shows the test case for User Placing Order and Cart.

Test Case for User Placing Order and Cart

Test Case for User Placing Order and Add to Cart		
Steps	Test Procedure	Expected Result
1.	Menu page view	View 3 buttons from menu page. There are “View Menu”, “Cart” and “Logout” button. View menu page and will appears all the menu and have a button view to view details of each food
2.	User choose one menu	View full detail of the food including food name, category, description, price, quantity and room number.
3.	User need to put down quantity and fulfill room number, then click “Add to Cart” button	The menu will be add to cart
4.	User click button “Add to Cart”	View all list ordered items in the cart

In this system, user can delete their order for make a new order. Table 4.5 shows the test case for User Delete Order.

Test Case for User Delete Order

Test Case for User Delete Order		
Steps	Test Procedure	Expected Result
1.	User click “Add to cart” button	The page loaded User will be redirected to view order items page
2.	User view list ordered items in the cart	List of order will display
3.	User click “trash” icon	User successfully deleted list order from system User can make a new order

CHAPTER 8

RESULTS AND SNAPSHOTS

The result after releasing of the Hotel Food Ordering System using website is user should be able to make order to visite website. The benefit Hotel Food Ordering System using website also can reduce the time and energy to go to lobby to make an order. User also can save time to waiting for order. While on hotel site, admin can add, view, update and delete the menu availability. The hotel also can view the status order to know the user get quality of services and meals smoothly. The developer also expected that the system could function well and fulfill the user requirement standard.

8.1 Main Page of Admin interfaces

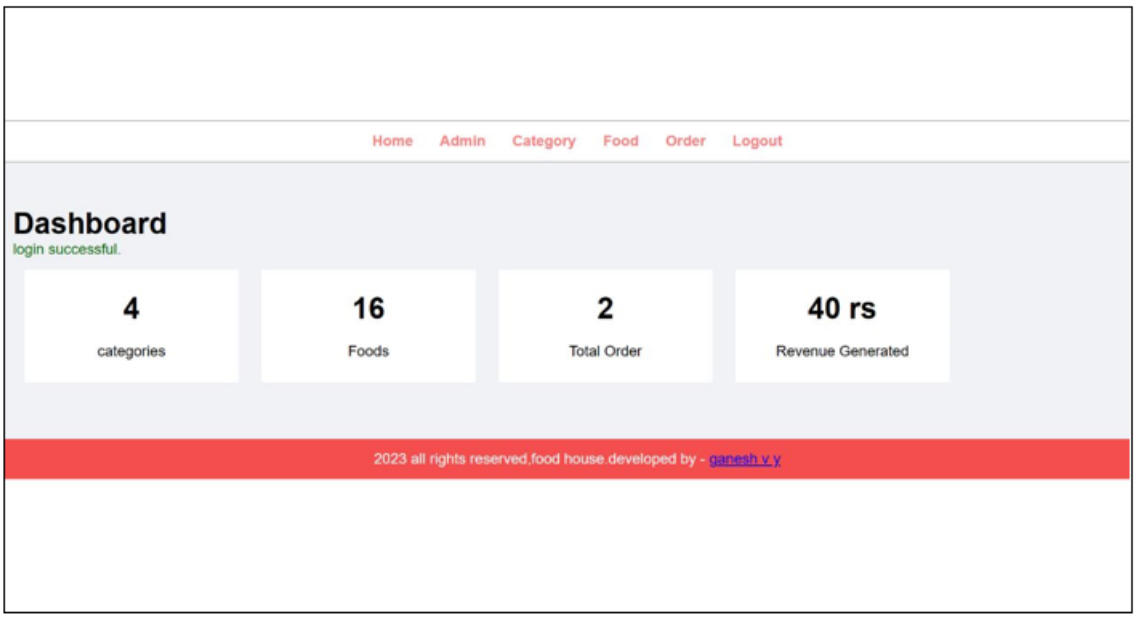

Figure 8.1: Admin Main Screen

8.2 Admin can add menus

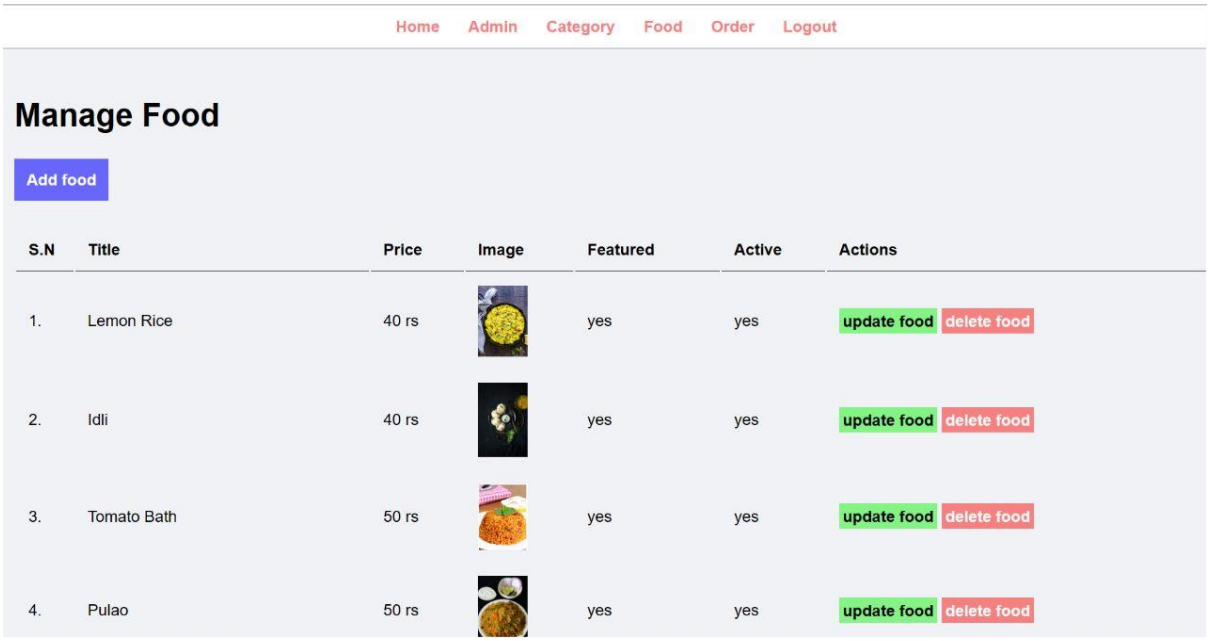

Figure 6.2: Add Food

8.3 Shows the order interface

Figure 8.3: Order

8.4 Shows the list of menu for user

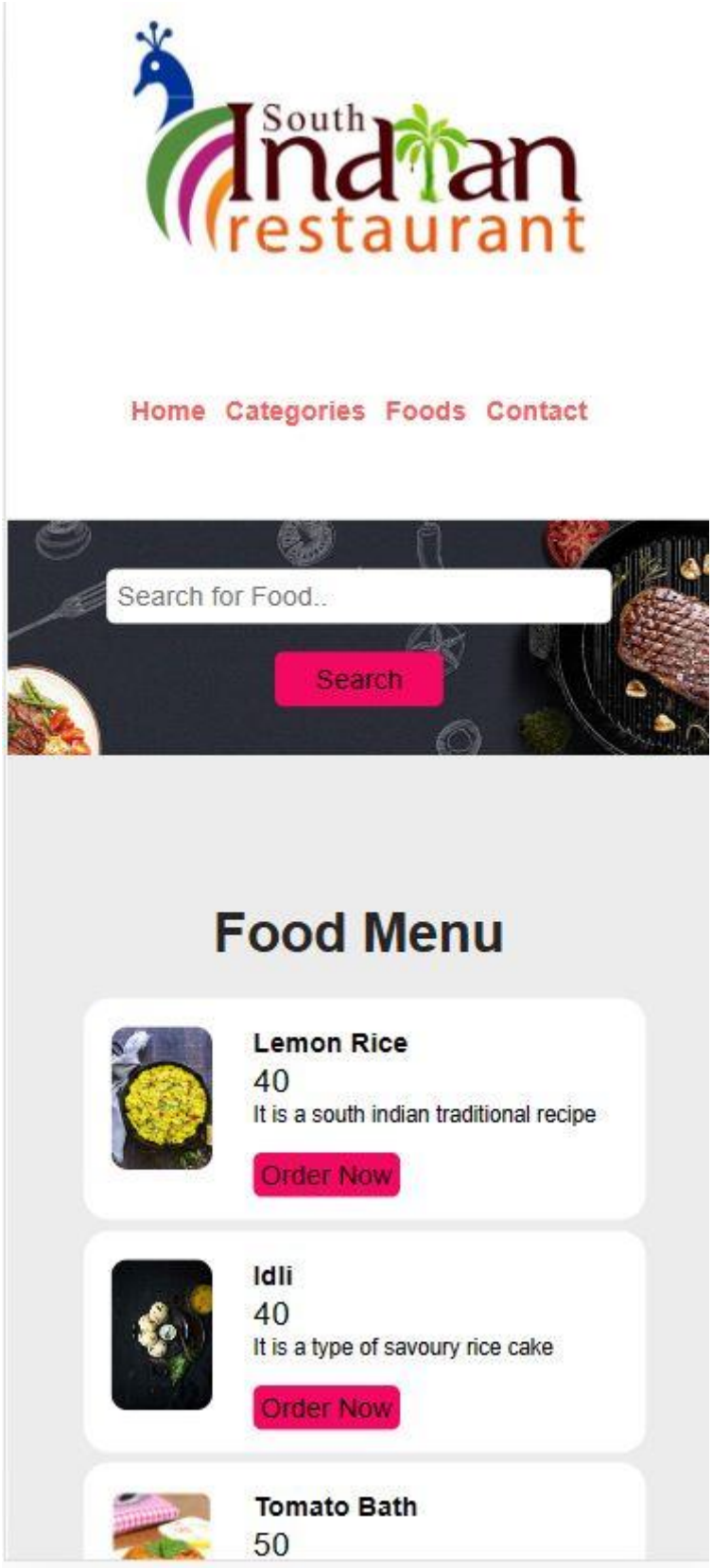

Figure 8.4: List of Menu

8.5 Shows the detail of menu

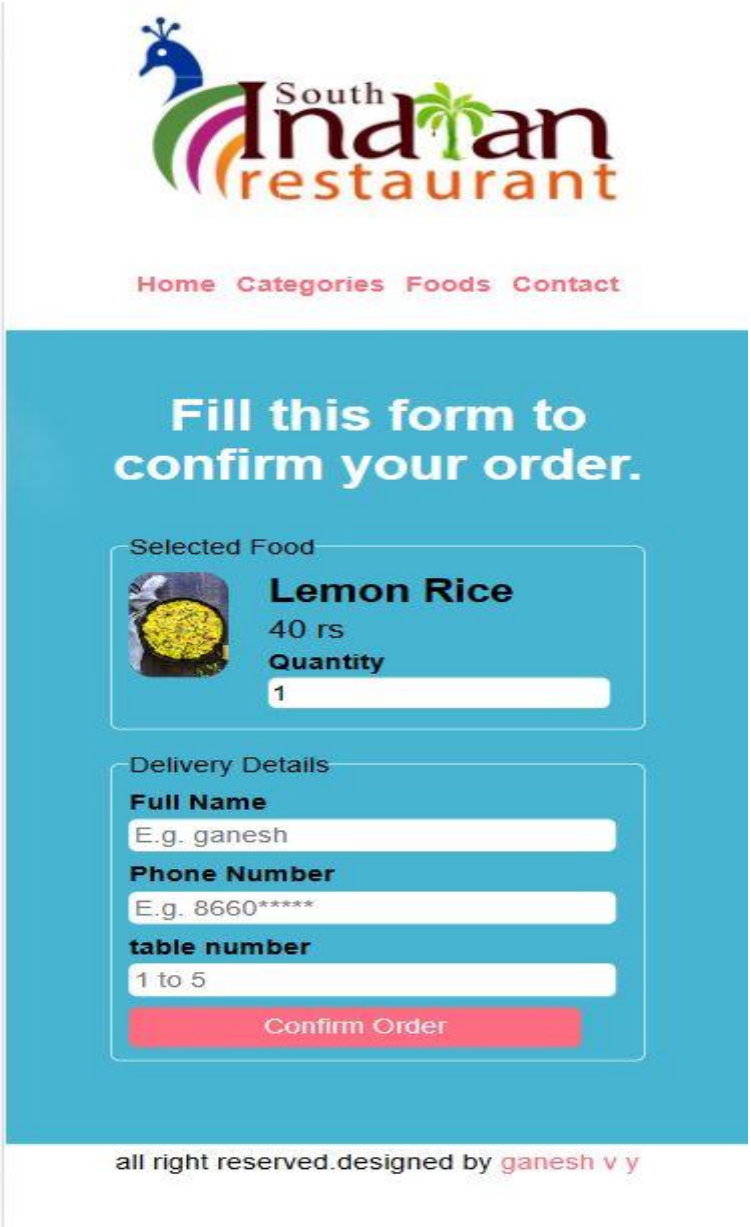

Figure 8.5: Menu

CHAPTER 9

CONCLUSION AND FUTURE SCOPE

9.1 Introduction

This chapter concludes the final year report and outlines the future works for this system Hotel Food Ordering System in solving a real life problem. It will discuss the constraint of the system and suggestion to improve the system to be better in the further for future system development.

9.2 Project Contribution

"Hotel Food Ordering System " web-based system project is expected that it can be encouraged the citizens to use the system platform to use online order in their daily lives. Hotel Food Ordering System using website is developed to replace traditional ways of taking up orders using pen and pencil that are proven to be time consuming, messed up orders and make they wait too long for the waiters to serve them. The development of this system is solely to avoid those problems. This system allow guest to order their food while in the hotel without having to wait for the waiter to serve them instead they can do it from website

Code at the room's hotel.

While for Admin which are the hotel owners can also benefits using this system. They can manage their menus online, view incoming orders from guest and also view the added menus. This will ultimately save paper because they does not have to print out the menu instead they can instantly update their menu online via this system.

9.3 System Constraints

There are few of problems can be found during the process to achieve the project objectives. The problems during the development of the system as the following:

i. The system technology is growing very rapidly. The developer must alert the new update of system technology.

ii. This system does not have payment method. If the guests want to pay they have to do it on the counter after check out the hotel.

9.4 Future Project

In future, this system can be improved in several ways. Firstly, get notification. Current system can notify guest about their food had delivered through when they have need to visit website for a second time to know that their food already sent to the room. So, it will be easier for user to get the notification at anytime and anywhere. Futhermore, adding more functionality such as can give some feedback, view order history, and rating also great added value for the system. Lastly, provide customizable menus to the system in the system where guests can add some notes on how they want their food, for example if guests want to add mores spicy on their food they can simply add notes through the system before order.

9.5 Summary

In a nutshell, Hotel Food Ordering System using website project was developed to assist a variety of people either user or hotel. With development the system, it was systematically the management and planning to the user and hotel order service. So, the user can save their time and energy by directly order their meals while check in hotels. With website user can order food anytime. Then, the management on hotel site also became easy and systematic in managing the data. Finally, the developer hopes this system can use for business market and achieve the user expectation. So, the system can give a better solution or suggestion to them for improving the system in the future.

CHAPTER 10

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