**TESTING**

**Overview**

Here we describe the different testing techniques used to test the system including the results of some of the testing techniques applied. The tests did not just test the code directly but also tested some of the non-functional aspects of the system.

**Testing Techniques**

This section explains the different testing techniques that were used when implementing the extreme programming (XP) software development methodology. Recall, that with this development methodology, testing is carried out at the end of each iteration.

**Unit Testing**

Unit testing is a testing technique to verify and validate individual units of code. According to Don Wells [19], unit tests are one of the corners stone to XP. With the generation of the unit test cases early within the development cycle, the test cases were repeatedly used at the end of each iteration to check the new functionality added does not have any unintended side effects.

Netbeans, the IDE used for this project, contained a tool that could generate HTML Unit1 test templates for any source file. Within the project, all source file functions were tested, with simple pass/fail output and necessary warning messages. Listing 7.1 shows an example test case that tests the insert, update, delete, and extraction of units2 within the database with the output shown in the figure.

**Listing: HTML unit test case for a ’unit’ object**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8">**

**<title>PROTOMAJE</title>**

**<meta http-equiv="X-UA-Compatible" content="IE=Edge">**

**<meta name="viewport" content="width=device-width, initial-scale=1">**

**<meta name="keywords" content="">**

**<meta name="description" content="">**

**<!--**

**Template 2076 Zentro**

**http://www.tooplate.com/view/2076-zentro**

**-->**

**<link rel="stylesheet" href="css/bootstrap.min.css">**

**<link rel="stylesheet" href="css/animate.min.css">**

**<link rel="stylesheet" href="css/font-awesome.min.css">**

**<link rel="stylesheet" href="css/nivo-lightbox.css">**

**<link rel="stylesheet" href="css/nivo\_themes/default/default.css">**

**<link rel="stylesheet" href="css/style.css">**

**<link href='https://fonts.googleapis.com/css?family=Roboto:400,500' rel='stylesheet' type='text/css'>**

**</head>**

**<body>**

**<!-- preloader section -->**

**<section class="preloader">**

**<div class="sk-spinner sk-spinner-pulse"></div>**

**</section>**

**<!-- navigation section -->**

**<section class="navbar navbar-default navbar-fixed-top" role="navigation">**

**<div class="container">**

**<div class="navbar-header">**

**<button class="navbar-toggle" data-toggle="collapse" data-target=“. navbar-collapse">**

**<span class="icon icon-bar"></span>**

**<span class="icon icon-bar"></span>**

**<span class="icon icon-bar"></span>**

**</button>**

**<a href="#" class="navbar-brand">PROTOMAJE</a>**

**</div>**

**<div class="collapse navbar-collapse">**

**<ul class="nav navbar-nav navbar-right">**

**<li><a href="#home" class="smoothScroll">HOME</a></li>**

**<li><a href="#gallery" class="smoothScroll">FOOD GALLERY</a></li>**

**<li><a href="#menu" class="smoothScroll">Restaurants</a></li>**

**<li><a href="#team" class="smoothScroll">Developers</a></li>**

**<li><a href="#contact" class="smoothScroll">CONTACT</a></li>**

**</ul>**

**</div>**

**</div>**

**</section>**

**<!-- home section -->**

**<section id="home" class="parallax-section">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-12 col-sm-12">**

**<div class="search">**

**<form action="#">**

**<input type="text"**

**placeholder=" Search Restaurant"**

**name="search">**

**<button>**

**<i class="fa fa-search"**

**style="font-size: 18px;">**

**</i>**

**</button>**

**</form>**

**</div>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- gallery section -->**

**<section id="gallery" class="parallax-section">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-offset-2 col-md-8 col-sm-12 text-center">**

**<h1 class="heading">Food Gallery</h1>**

**<hr>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.3s">**

**<a href="images/gallery-img1.jpg" data-lightbox-gallery="zenda-gallery"><img src="images/gallery-img1.jpg" alt="gallery img"></a>**

**<div>**

**<h3>Lemon-Rosemary Prawn</h3>**

**<span>Seafood / Shrimp / Lemon</span>**

**</div>**

**<a href="images/gallery-img2.jpg" data-lightbox-gallery="zenda-gallery"><img src="images/gallery-img2.jpg" alt="gallery img"></a>**

**<div>**

**<h3>Lemon-Rosemary Vegetables</h3>**

**<span>Tomato / Rosemary / Lemon</span>**

**</div>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.6s">**

**<a href="images/gallery-img3.jpg" data-lightbox-gallery="zenda-gallery"><img src="images/gallery-img3.jpg" alt="gallery img"></a>**

**<div>**

**<h3>Lemon-Rosemary Bakery</h3>**

**<span>Bread / Rosemary / Orange</span>**

**</div>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.9s">**

**<a href="images/gallery-img4.jpg" data-lightbox-gallery="zenda-gallery"><img src="images/gallery-img4.jpg" alt="gallery img"></a>**

**<div>**

**<h3>Lemon-Rosemary Salad</h3>**

**<span>Chicken / Rosemary / Green</span>**

**</div>**

**<a href="images/gallery-img5.jpg" data-lightbox-gallery="zenda-gallery"><img src="images/gallery-img5.jpg" alt="gallery img"></a>**

**<div>**

**<h3>Lemon-Rosemary Pizza</h3>**

**<span>Pasta / Rosemary / Green</span>**

**</div>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- menu section -->**

**<section id="menu" class="parallax-section">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-offset-2 col-md-8 col-sm-12 text-center">**

**<h1 class="heading">Restaurants</h1>**

**<hr>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Apna Hotel</h4>**

**<h5>Location: Uditnagar, Rourkela</h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Carry Pot</h4>**

**<h5>Location: Uditnagar, Rourkela</h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Hotel Leela</h4>**

**<h5>Location: Sector-4, Rourkela</h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Notee Nine</h4>**

**<h5>Location: Sector-4, Rourkela</h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Madhuban</h4>**

**<h5>Location: Sector-4, Rourkela</h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>People Resturent</h4>**

**<h5>Location: Uditnagar, Rourkela</h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Max Variety Center</h4>**

**<h5>Location: Railway Station, Rourkela </h5>**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<h4>Chhote Nabab </h4>**

**<h5>Location: Kacheri Road, Rourkela</h5>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- team section -->**

**<section id="team" class="parallax-section">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-offset-2 col-md-8 col-sm-12 text-center">**

**<h1 class="heading">PROTOMAJE Info</h1>**

**<h3 class="heading">Developed By</h3>**

**<hr>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.3s">**

**<h4>Pragyan Parimita Padhan</h4>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.5s">**

**<h4>Janharah Deep</h4>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.7s">**

**<h4>Tapawsini Kar</h4>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.9s">**

**<h4>Manas Pradhan</h4>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- contact section -->**

**<section id="contact" class="parallax-section">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-offset-1 col-md-10 col-sm-12 text-center">**

**<h1 class="heading">Contact Us</h1>**

**<hr>**

**</div>**

**<div class="col-md-offset-1 col-md-10 col-sm-12 wow fadeIn" data-wow-delay="0.9s">**

**<form action="#" method="post">**

**<div class="col-md-6 col-sm-6">**

**<input name="name" type="text" class="form-control" id="name" placeholder="Name">**

**</div>**

**<div class="col-md-6 col-sm-6">**

**<input name="email" type="email" class="form-control" id="email" placeholder="Email">**

**</div>**

**<div class="col-md-12 col-sm-12">**

**<textarea name="message" rows="8" class="form-control" id="message" placeholder="Message"></textarea>**

**</div>**

**<div class="col-md-offset-3 col-md-6 col-sm-offset-3 col-sm-6">**

**<input name="submit" type="submit" class="form-control" id="submit" value="make a reservation">**

**</div>**

**</form>**

**</div>**

**<div class="col-md-2 col-sm-1"></div>**

**</div>**

**</div>**

**</section>**

**<!-- footer section -->**

**<footer class="parallax-section">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.6s">**

**<h2 class="heading">Contact Info. </h2>**

**<div class="ph">**

**<p><i class="fa fa-phone"></i> Phone</p>**

**<h4>090-080-0760</h4>**

**</div>**

**<div class="address">**

**<p><i class="fa fa-map-marker"></i> Our Location</p>**

**<h4>Rajgangpur, Rourkela, Odisha</h4>**

**</div>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.6s">**

**<h2 class="heading">Open Hours</h2>**

**<p>Sunday <span>10:30 AM - 10:00 PM</span></p>**

**<p>Mon-Fri <span>9:00 AM - 10:00 PM</span></p>**

**<p>Saturday <span>11:30 AM - 10:00 PM</span></p>**

**</div>**

**<div class="col-md-4 col-sm-4 wow fadeInUp" data-wow-delay="0.6s">**

**<h2 class="heading">Follow Us</h2>**

**<ul class="social-icon">**

**<li><a href="#" class="fa fa-facebook wow bounceIn" data-wow-delay="0.3s"></a></li>**

**<li><a href="#" class="fa fa-twitter wow bounceIn" data-wow-delay="0.6s"></a></li>**

**<li><a href="#" class="fa fa-behance wow bounceIn" data-wow-delay="0.9s"></a></li>**

**<li><a href="#" class="fa fa-dribbble wow bounceIn" data-wow-delay="0.9s"></a></li>**

**<li><a href="#" class="fa fa-github wow bounceIn" data-wow-delay="0.9s"></a></li>**

**</ul>**

**</div>**

**</div>**

**</div>**

**</footer>**

**<!-- copyright section -->**

**<section id="copyright">**

**<div class="container">**

**<div class="row">**

**<div class="col-md-12 col-sm-12">**

**<h3>ZENTRO</h3>**

**<p>Copyright Â© PROTOMAJE</p>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- JAVASCRIPT JS FILES -->**

**<script src="js/jquery.js"></script>**

**<script src="js/bootstrap.min.js"></script>**

**<script src="js/jquery.parallax.js"></script>**

**<script src="js/smoothscroll.js"></script>**

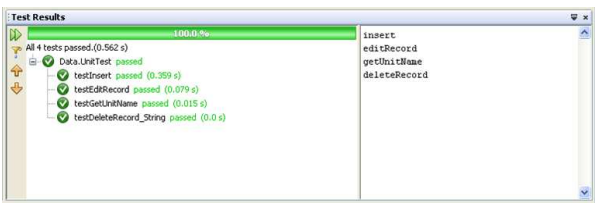
**<script src="js/nivo-lightbox.min.js"></script>**

**<script src="js/wow.min.js"></script>**

**<script src="js/custom.js"></script>**

**</body>**

**</html>**

 **Screenshot of the result produced using HTML Unit in Netbeans.**

**ABSTRACT**

ONLINE FOOD ORDER SYSTEM is mainly designed primarily function for use in the food delivery industry. This system will allow hotels and restaurants to increase online food ordering such type of business. The customers can be selected food menu items just few minutes. In the modern food industry allows for quickly and easily delivery on customer place. Restaurant employees then use these orders through an easy to delivery on customer place easy find out navigate graphical interface for efficient processing.

Key words: online. food, payment.

Index Terms — PHP, MYSQL, XAMPP, CSS, APACHE, HTML.

**INTRODUCTION**

In a modern generation Online food ordering is a mobility of food delivery or takeout from a local restaurant or food cooperative. Now a days the rapid growth in the use of internet and the technologies associated with it, the several opportunities are coming up on the web or mobile application. This is made possible through the use of electronic payment system. The payment can be done through the customer’s credit card, debit card. It is possible for everyone to order any goods from anywhere the internet and have the goods delivered at his/her home. All types made be internet transaction ads to the economic of digital cash, the necessary tool for this process telecommunication with customers. The system will become important tools use for restaurant to improve the management aspect by use of computer system to connected each and every food ordering transaction instead of data record on it. In addition, it can also provide efficiency for the restaurant by reducing time consuming, minimize human errors or delivery and providing good quality and service to customers. In terms of the integrity and availability of the system provided, it can be concluded that this system is a suitable solution.

**The objectives of this study are as follows:**

To evaluate the way of interaction with customers.

To develop a restaurant ordering system with a mobile application based on the client-server application.

To determine the factors that influence customers when ordering food online.

To computerized the food ordering system process and display details of sales history.

**IMPLEMENTATION**

Project implementation involves directly managing a project to ensure it meets the objectives outlined in the planning phase. Project managers must implement a project effectively so that the team can produce the deliverables required to satisfy the clients or key stakeholders of the project.

There are several steps involved in implementing a project, including some planning that must occur before the implementation can begin. Here is a list of steps for implementing a project effectively:

1. Assess the project plan
2. Execute the plan
3. Make changes as needed
4. Analyze project data
5. Gather feedback
6. Provide final reports

**LIMITATIONS**

**Cost Of Increase**

Online food ordering system service know days increase your budget. Because of need a new delivery team to provide the services and you need to spend extra charges. In this system, all types of expenses can be transferred to consumers.

**Change Of Environment**

The main difference between online food ordering and dining in a restaurant is the environment around us. If one person eats within a home or he may not feel a change in environment and refreshment and relaxation. But comfort is the really high level of online food takeaway. If he dine-in luxury restaurant with super design and light music that environment gives better relaxation compared to the other.

**FUTURE SCOPE OF STUDY**

**Drive Sales with social media**

The popularity of smartphones and the usage of social media platforms using smartphones is known to the world. So, it must not be a surprise that food chains are now including provisions for using their mobile application and web application for ordering to promote their sales.

Food chains like Domino’s and Pizza Hut even have the provision to create a profile for customers where their contact info and preferring to store the pizza menu. Hence, customers can order a pizza using their smartphone by texting emojis. What can be easier than this? What does it mean to be successful on social media?

Focus on what matters to your restaurant brand. As a restaurant owner, you need to understand the ROI of your social presence. You need to get more orders and traffic into your food business. That’s the bottom line. Let’s take a look at how to use social media to boost sales for your restaurant.

**Mobility and Ease**

With the online mobile payment feature ordering food using restaurant-based apps and website has become easier these days. There occurs no requirement to make use of cash. One can order food online using online payment modes right from the restaurant ordering app.

Customers can also save up payment-related information in their profiles. Hence, ordering repeatedly is hassle-free; there is no need to add their account details, again and again. With a single button, one can order food online!

**Phone Orders Outstripped**

The ease and convenience of online food ordering using restaurant mobile apps make sure that Tele calling is no longer used for ordering. The reason behind this is the user-friendly interface of the food ordering app provides a smooth ordering experience to customers.

While placing orders, customers can select their preferred order type; if it’s a takeaway or a home delivery. Next, the food ordering app prompts customers to choose their location with an easy drop-down button. It allows customers to select their city and the local outlet before they proceed to the menu and place their order.

Hence there is no potential chance of a communication mishap. The restaurant mobile apps use the Translation system, and hence, language is no longer a problem.

**Home Deliveries Increased**

The more the population is increasing with their increased purchasing power, the more are the situations of online food ordering occur. Home deliveries are a matter of daily system nowadays for every restaurant, big or small in the town.

In areas where the population is dense customers prefer having food within the comforts of their home. Provisions of home delivery increase sales. The online ordering system using apps also access this feature.

**Food Pre-Ordering Using Restaurant App**

There is a feature called ‘Advance Order’ or ‘Food Pre-Ordering’ which allows users to schedule their order’s delivery time. With the help of the food pre-ordering feature, customers get the freedom of choosing delivery or pickup time, at the time of placing their orders. Customers can select their usual order to be delivered immediately or set a particular time for future delivery. The restaurant is immediately notified about your customers’ preferred schedule.

Restaurant food Pre-orders have gained substantial traction in the market. Worldwide, the food delivery market stands at $93 billion, that’s 1% of the total food market. The annual growth for this space is estimated to be 3.5% for the next five years as per McKinsey.

**Price Drops**

More and more restaurants are using mobile platforms for food ordering. This means competitiveness is high in the market. As a result, the price of food gets lowered, and it is a blessing for the customers.

One engages customers online, offers promotions, rebates, and discounts, and these make sure your customer is loyal to the brand. Using restaurant management data analytics, entrepreneurs now can know a lot about the ordering trend of customers.

Food ordering over a smartphone using a mobile app is going to see a boom in the year 2016. Ordering things online will be the second habit of individuals. If we speak about more futuristic ways of delivery of food, then we must talk about something called the driverless delivery of food.

**Push Notifications**

With a restaurant app, you can improve your customer engagement by sending push notifications. This feature allows you to post updates on the latest deals, offers, and discounts through the right to your customers’ mobile phones.

Push notifications are also a great marketing tool as it comes in handy in updating your customers about new items, new product updates, new combo, etc., introduced to the restaurant menu.

With news and speculations about the driver-less car of Google drone delivery food, restaurants will soon adapt to these new ways of food delivery to be ahead of the curve.

**CONCLUSION**

The online Food Ordering system is done to help and solve one of the important problems of the customer. Because a Large number of customers use the internet and phone. Various issues related to Mess/Tiffin Service will be solved by these systems. Thus, the implementation of the Online Food Ordering system is done to help and solve one of the important problems of customers. It helps the customer in making orders easily and gives information needed in making orders to the customer’s place. The Food website application made for restaurants massive one help to receiving orders.

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