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# Online food ordering application for local vendors using PHP

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**Abstract**--An Online Food Ordering System is proposed here which simplifies the food ordering process. The proposed system shows a user interface and update the menu with all available options so that it eases the customer work. Customer can choose more than one item to make an order and can view order details before logging off. The order is placed in the queue and updated in the database and returned in real time. The main purpose of this project is to make tie-up with local restaurant vendors and organize all of them.

**Keywords**--PHP, Laravel, Bootstrap, Apache, MySQL.

**Introduction**

The online food ordering system sets up a food menu online and customers will simply place the order as per they like. Additionally with a food menu, on-line customers will simply track the orders. The admin maintains customer's information, and improve food delivery service. The normal queuing system drawbacks and downsides area unit overcome by our system application. Food will be ordered online in an exceedingly hassle-free manner through our planned system. Additionally, customer can order low budget hotels near by customers home as well as order big budget hotels both orders are delivered very quickly compared to modern food delivery apps. Offers will be available for all time some food delivery apps offer only festival times. Payment (G-Pay, Phone Pay) will be very quick and proper. Finally, this application will be very user- friendly ease to order food when we hungry. This system was a basic dynamic database utility system which fetches all information from a centralized database. This

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application improved the accuracy and efficiency of restaurants as well as human errors. Earlier drawbacks of automated food ordering systems were overcome by this system and it requires a onetime investment for gadgets. For placing any orders customers have to visit hotels or restaurants to know about food items and then place order and pay. In this method time and manual work is required. While placing an order over the phone, customer lacks the physical copy of the menu item, lack of visual confirmation that the order was placed correctly. Every restaurant needs certain employees to take the order over phone or in-person, to offer a rich dining experience and process the payment. In today's market, labor rates are increasing day by day making it difficult to find employees when needed.

### Materials and Methods

First starts with the customer entering his/her credentials (Username and password). Once that has been verified, the customer can place an order specifying the quantity of the food required. Now we get a window that displays the order number, customer ID, food name, price and quantity. Once the customer finalizes his/her order, they are redirected to the payment window where the total price is displayed and the customer can select the payment method of their choice and then the customer gets a message of confirmation of order. Same time vendor also enters through the unique credentials and update the day-to-day food with offers etc. Along with customer feedback for a restaurant a design and execution of wireless food ordering system was carried out. It enables restaurant owners to setup the system in wireless environment and update menu presentations easily. Smart phone has been integrated in the customizable wire- less food ordering system with real-time customer feedback implementation to facilitate real-time communication between restaurant owners and customers.

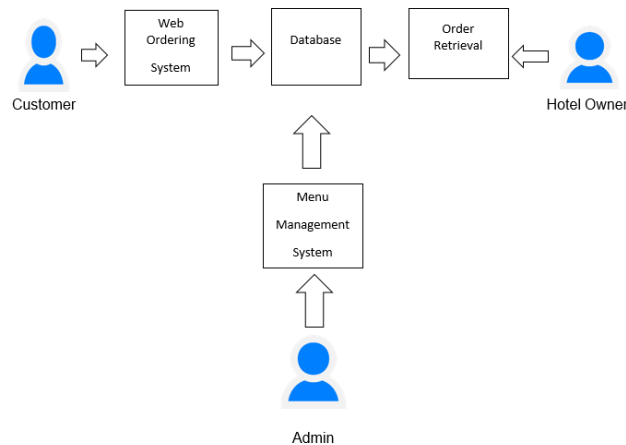


Figure 1. System Architecture

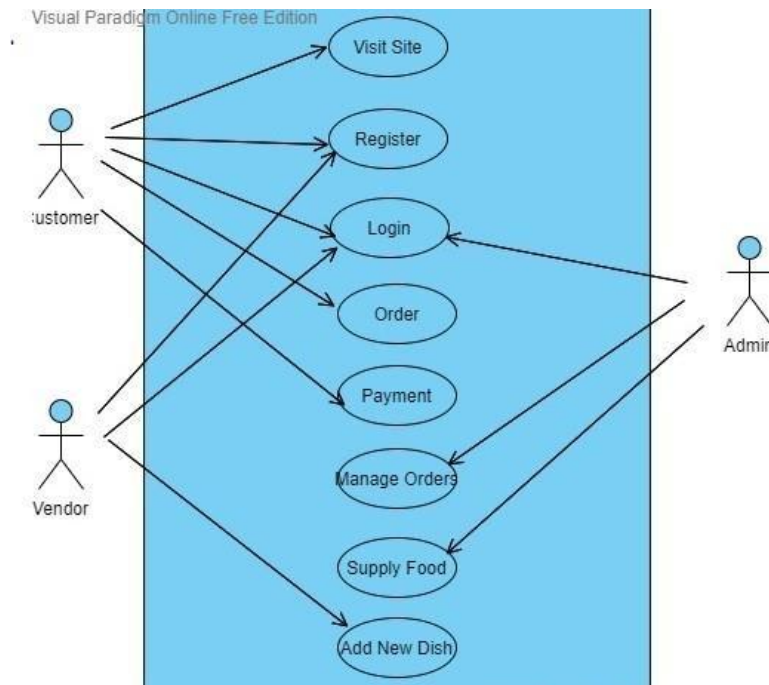


Figure 2. Use case Diagram

### Frontend implementation

Frontend languages are mostly used to design a webpage how it looks like. Front end is most important part of web application. In this project HTML, CSS, Java Script, Bootstrap are used. HTML is deciding the structure of webpage and CSS used to decorate that HTML. Java Script is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities. The Bootstrap framework is built on HTML, CSS, and JavaScript (JS) to facilitate the development of responsive, mobile-first sites and apps. The output of both of the interpreted and executed PHP code is combined by web server, which may be any type that is associated with the created web page.

### Backend development

The data in a MySQL database are stored in tables which consists of columns and rows. MySQL is a database system that runs on a server. This application runs within the server (Xampp) that is receiving the requests from the clients.

### Laravel framework

Laravel framework is most helpful while developing a webpage because it follows MVC- Pattern. Laravel is a web app development framework with expressive and elegant syntax that makes the entire web development process faster, easier, and

enjoyable for developers by eliminating all the pain-points associated with handling complex PHP code.

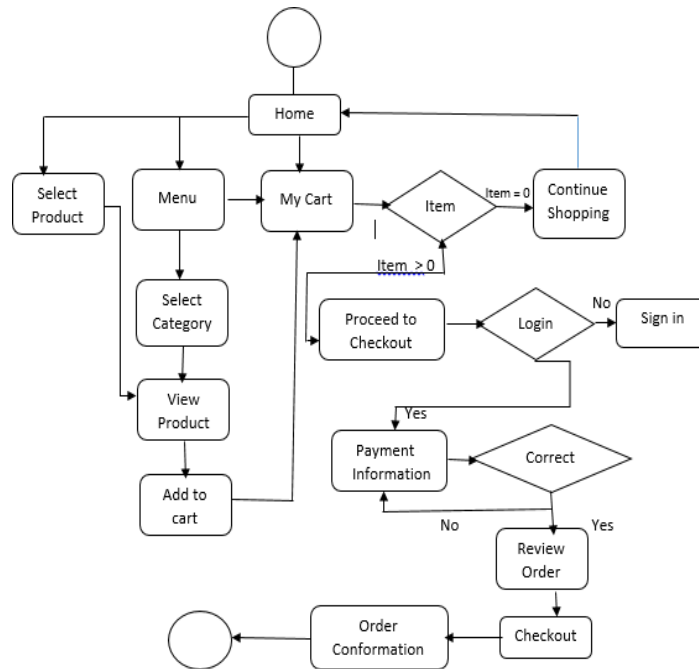


Figure 3. Activity diagram

### Model-View-Controller Pattern

In MVC pattern, the view represents a page's template or templates, the controller represents both the server's dispatch infrastructure that maps a URL to a code snippet and the code snippet itself, and the model represents an application's data (the "state"), most of the business logic, and any model-related computations (Parr, 2004). Today, MVC is one of the most popular architectural design patterns for web application. Laravel is a fully MVC compliant (Dockings, 2016).

### Module Signup

The first-time user must have to create account before ordering the food otherwise customer can't order anything until signup. In the signup basic details will be asked about customer like address, mobile number, email etc.

### Login

Once account creation was successful then customer can login and order whatever customer want also update the profiles and checking daily offers.

### Home Page

Here all data will be displayed about foods, orders, stock availability, and cart with attractive live images of food which is taken from the certain hotels.

### Cart

The customer while ordering foods sometimes favorite foods will be added cart for regular ordering purposes. Later customer can order that food or remove from cart add some new foods.

### Vendor

Vendor has to create own credentials once the deal with admin was successful, they will provide unique credential for each vendor. Through that credential vendor can register their own hotels with available foods.

### Add Foods

Once registration and bond with admin is completed then vendor can add their available foods with maximum percentage of offers. Same way vendor can update the daily food frequently.

### Payment

In payment, there is two different mode cash on delivery (COD), UPI Payment (G-Pay, Phone pay) and card options also available. Customer can pay the amount for food in single click.

## Results and Discussions

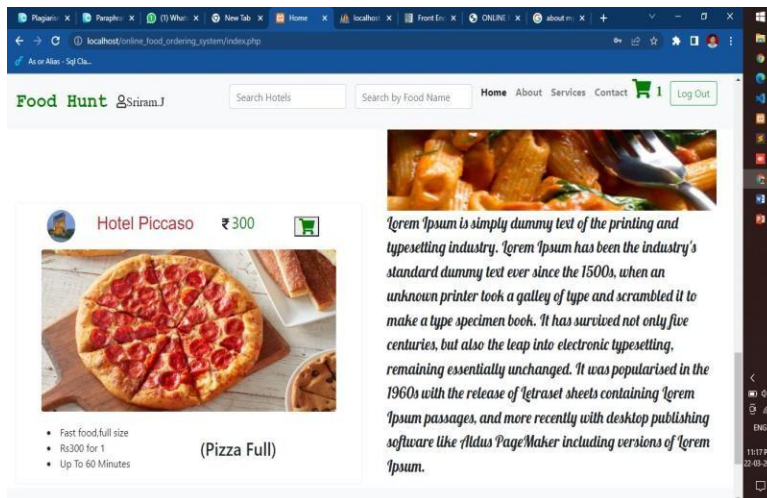


Figure 4. Home Page

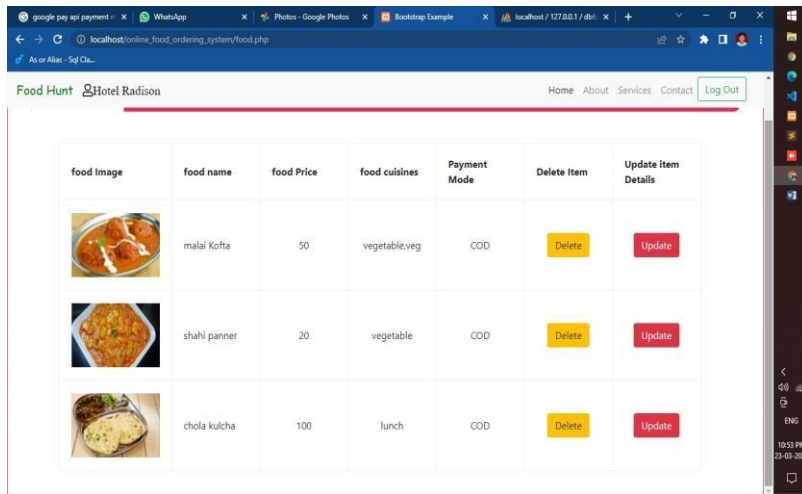


Figure 5. Adding food items to the cart

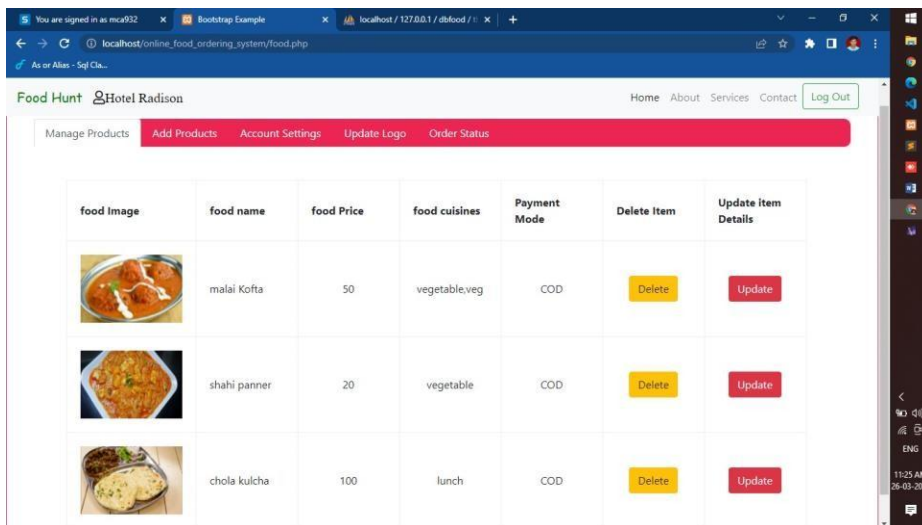


Figure 6. Updating the food items

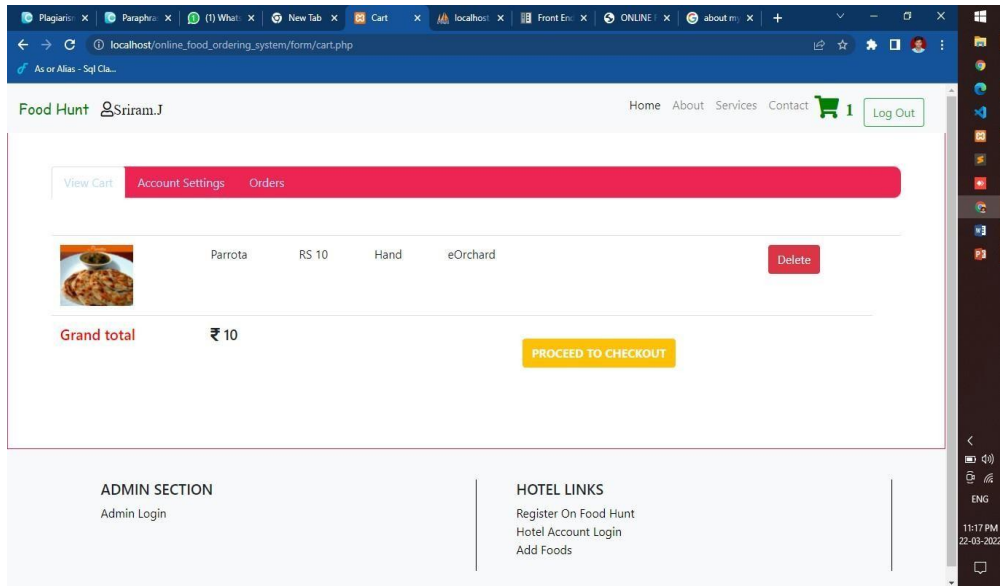


Figure 7. Removing food items from the cart.

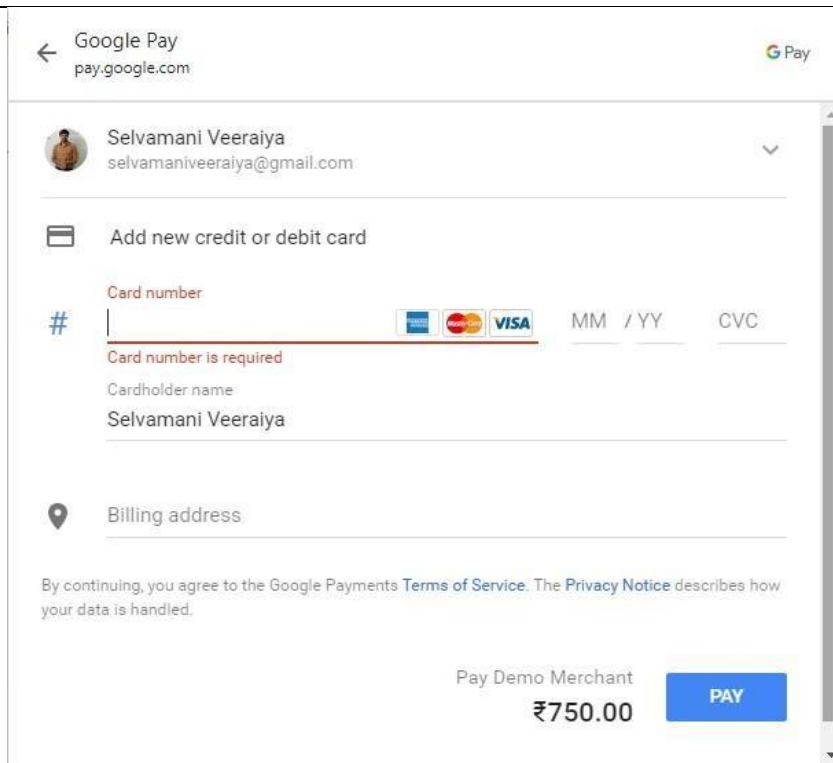


Figure 8. Payment gateway

## Conclusion

An online food ordering system is developed where the customers can make an order for the food and avoid the hassles of waiting for the order to be taken by the waiter. Using the application, the end users register online, read the E-menu card and select the food from the e-menu card to order food online. Vendor point of view can register their hotels with low cost and update their hotel food details daily. So, through this application low budget hotels can register their hotel foods also it will reach the people very quickly. In future, Aim is to convert this web application into PWA web application with machine learning which is more effective one-use service workers, manifests, and other web-platform features in combination with progressive enhancement to give users an experience on par with native apps. Machine learning which is used for customized notification

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## References

- [1] Resham Shinde, Priyanka Thakare, Neha Dhomne, Sushmita Sarkar," Design and Implementation of Digital dining in Restaurants using Android", International Journal of Advance Research in Computer Science and Management Studies 2014
- [2] Noor Azah Samsudin, Shamsul Kamal Ahmad Khalid, Mohd Fikry Akmal Mohd Kohar, Zulkifli Senin, Mohd nor Ihkasan," A customizable wireless food ordering system with real time customer feedback", IEEE Symposium on Wireless Technology and Applications (ISWTA) 2011.