

ONLINE FOOD ORDERING SYSTEM

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Abstract—

The food ordering system is a project developed for user and admin of a restaurant for taking and managing the restaurant order. It assets the users to take order of food digitally and more easily than before. The whole project is developed using HTML,CSS,BOOTSTRAP and PHP. Here in this project, admin can add his employees (user)and can also add the menu items to make easy order acceptance. This project comes along with MySQL database as backend (php).

Keywords:

HTML, CSS, JAVASCRIPT, BOOTSTRAP,PHP, MY SQL

I. INTRODUCTION

In a modern generation Online food ordering is a mobility of food delivery or takeout from a local restaurant or food cooperative. Now 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 le transaction ads to the economics of digital cash, the necessary tool for this process telecommunication with customers.

This project ease of buying any food item from anywhere. Online Food Delivery System has been developed to overwrite a major problem like getting cooked food to their favorite food and order it. In this project, we use PHP and MySQL database. It has two modules.

*User

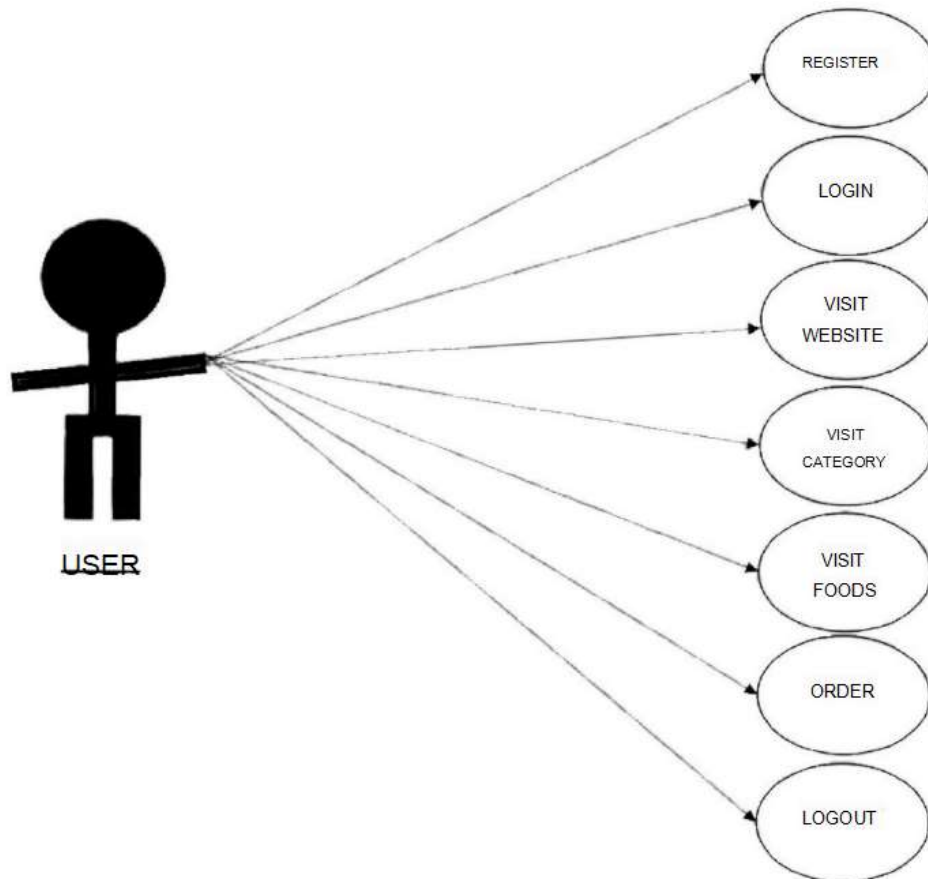
*Admin

II. LITERATURE REVIEW

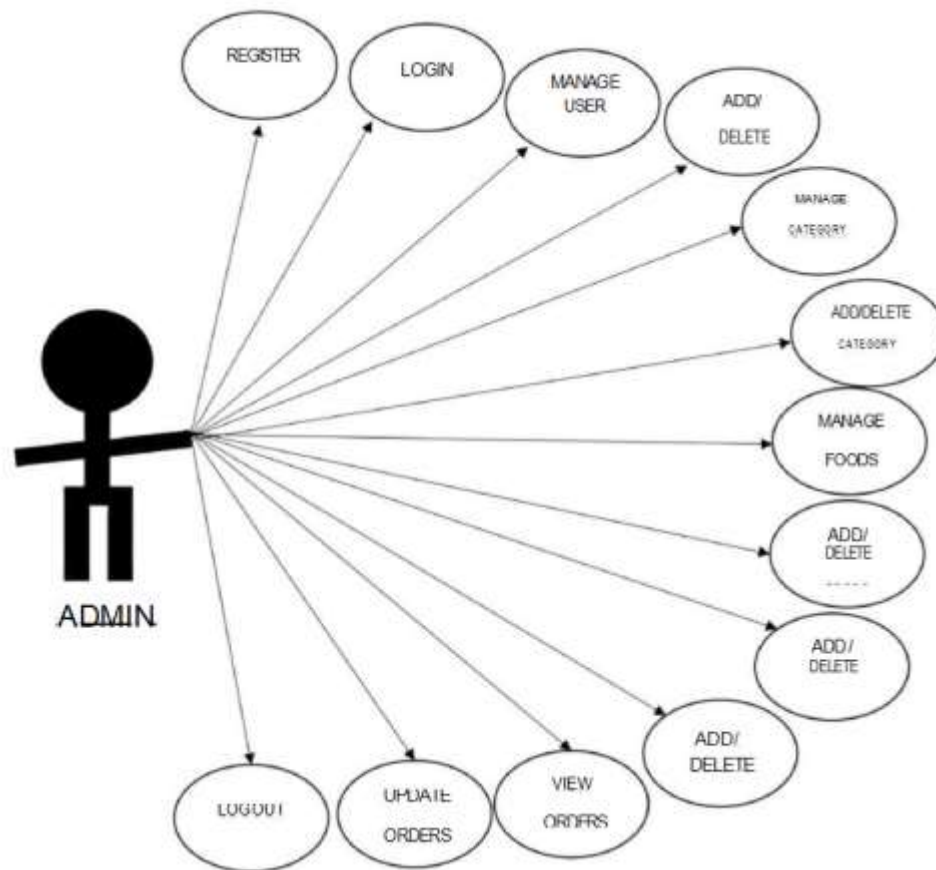
It is required to keep the computerized data of all orders & food items, as it is difficult to do manually and is also fact as it takes less time. Purpose to computerized its data is to overcome from hazard of manual system. This application is developed with an aim to give accurate price, details of food, order and immediate information of order(where and to whom)whenever required in very short period of time. It also handles the transaction of money as it is by card or cash on delivery. Users can view the orders, orders details, past order details. Admin can view all orders, add food items, delete or modify it. It makes admin and user work easy.

III. SYSTEM DESIGN

User case Diagram User



User case Diagram Admin



IV. IMPLEMENTATION

Code Snippet (PHP + MySQL):

php

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```
$query = "SELECT * FROM menu WHERE restaurant_id = '$rest_id'";  
$result = mysqli_query($conn, $query);  
while($row = mysqli_fetch_assoc($result)) {  
    echo "<div>" . $row['item_name'] . " - $" . $row['price'] . "</div>";  
}
```

Code Snippet (HTML + PHP):

php

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```
<form action="register.php" method="post">
  <input type="text" name="username" placeholder="Username" required>
  <input type="email" name="email" placeholder="Email" required>
  <input type="password" name="password" placeholder="Password" required>
  <button type="submit">Register</button>
</form>
```

Code Snippet (JavaScript):

javascript

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```
function placeOrder(itemId) {
  fetch(`/place_order.php?item=${itemId}`)
    .then(response => response.json())
    .then(data => alert("Order placed successfully!"));
}
```

Code Snippet (PHP - Order Count):

php

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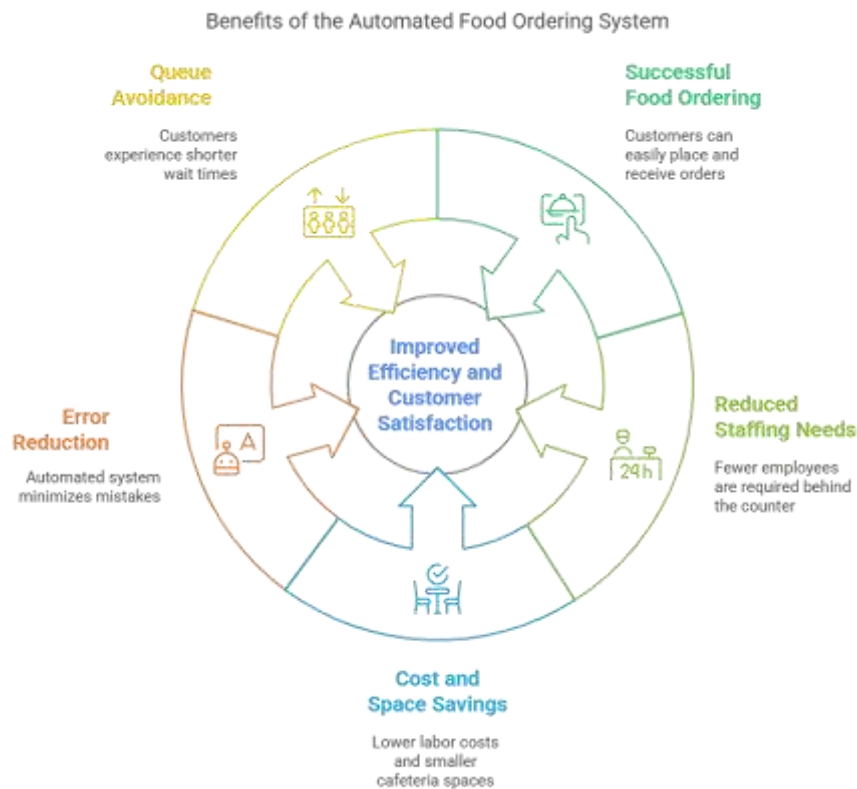
```
$orderCount = mysqli_query($conn, "SELECT COUNT(*) FROM orders");
$row = mysqli_fetch_array($orderCount);
echo "Total Orders: " . $row[0];
```

V. RESULTS

Following are the results that one can draw from this system:

1. People can successfully order food using the proposed system.
2. There will be a lesser requirement of staff at the back counter.
3. The system will help reduce the labour cost involved and also reduce the space required to set up cafeterias in restricted areas.
4. As it is an automated system, it is less probable to make any mistakes.

5. Customers can avoid long queues at the counter, with a reasonable speed of execution and maximum throughput.



VI. CONCLUSION

The development of the Online Food Ordering System has successfully achieved its primary goal of providing a convenient, efficient, and user-friendly platform for customers to browse menus, place orders, and make payments online. The system not only streamlines the ordering process for users but also helps restaurant staff manage orders more effectively and improve overall service delivery. Throughout the project, we focused on building a reliable system that meets the needs of both customers and restaurant administrators. Key features such as user registration, real-time menu updates, order tracking, and secure payment integration have been implemented to enhance the user experience. In conclusion, this system addresses the increasing demand for digital solutions in the food service industry and demonstrates how technology can improve customer satisfaction, operational efficiency, and business growth. With further enhancements and real-world deployment, the system has the potential to serve as a valuable tool for restaurants looking to expand their online presence.

VII. ACKNOWLEDGEMENT

I would like to express my sincere gratitude to everyone who contributed to the successful completion of this Online Food Ordering System project.

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Finally, I am grateful to my **family and friends** for their unwavering support and motivation throughout this journey.

This project has been a great learning experience, and I am truly thankful to all who helped make it possible.

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