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- Many people, especially our classmates have made valuable comment suggestions on our project which gave us inspiration to improve the quality of the project.

Thanking You,

Your sincerely,

**Jenil Jivani**

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# INTRODUCTION

1.1)**Existing system**

1.2)**Limitation Of Existing system**

# EXISTING SYSTEM

An existing  restaurant management system typically involves manual processesof a restaurant.

## 1. Manual Reservation System:

- **Reservation Book**: Staff record reservations by hand in a physical book.
- **Telephone Reservations**: Customers call to make reservations, which are then noted manually.

## 2. Point of Sale (POS):

- **Cash Register**: Traditional cash registers for processing payments.
- **Paper Receipts**: Receipts are printed on paper and manually handled.

## 3. Inventory Management:

- **Manual Inventory Tracking**: Staff manually track inventory using paper logs or basic spreadsheets.

- **Order Tracking**: Orders from suppliers are tracked manually.

## 4. Menu Management:

- **Printed Menus**: Menus are printed and updated infrequently.
- **Specials Board**: Daily specials are written on a board or paper.

## 6. Customer Feedback:

- **Comment Cards**: Customers leave feedback on physical comment cards.
- **In-person Feedback**: Staff collect verbal feedback from customers.

# LIMITATION OF EXISTING SYSTEM

## 1. Inefficiency:

- **Time-Consuming:** Manual processes such as taking reservations, orders, and processing payments take a lot of time.
- **Prone to Errors:** Manual data entry is susceptible to human errors, leading to incorrect orders, reservations, and billing issues.

## 2. Data Loss:

- **Physical Damage:** Records kept on paper are at risk of being damaged by fire, water, or simply getting lost.
- **Storage Limitations:** Storing and organizing physical records can become cumbersome and inefficient.

## 3. Kitchen Operations:

- **Manual Order Tickets:** Orders written on paper tickets can be misplaced or misread, leading to errors in food preparation.
- **Physical Prep Lists:** Manually created prep lists can be inefficient and prone to errors.

## 4. Poor Customer Experience:

- **Slow Service:** Manual systems can delay service, leading to longer wait times for customers.
- **Outdated Reservation Methods:** Customers may find old reservation methods inconvenient compared to modern, digital options.

# PROPOSED SYSTEM

2.1)**Project profile**

2.2)**Introduction**

2.2)**Basic Functionality**

2.2)**Objective**

# PROJECT PROFILE

| | |
|---|---|
| Project Name | RESTAURANTS MANAGEMET SYSTEM |
| Technology | PHP,MySQL |
| Front End | PHP Codeigniter |
| Back End | MySQL |
| External Guide | - |
| Internal Guide | - |
| Submitted To | SHREE SAURASHTRA COLLEGE OF MGMT COMP.SC , ATKOT |
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# INTRODUCTION

## Project overview :

- A Restaurants Management System project aims to streamline operations within a restaurant, covering various aspects such as order management, menu management, customer management, and employee.
- A Restaurants Management System is a software solution that helps manage various aspects of a restaurant's operations, such as:
  - Order management - Inventory management
  - Customer management - Staff management
  - Billing and payment processing - Menu management
  - Sales and revenue tracking

- The system aims to streamline restaurant operations, improve efficiency, reduce errors, and enhance customer satisfaction.

# BASIC FUNCTIONALITY

- Customer service is a core aspect, focusing on handling reservations, ensuring high-quality service, and addressing customer feedback.
- Menu management involves designing and updating the menu, setting prices
- Creating and managing discounts, offers, and promotions.
- Collecting and analyzing customer feedback and reviews.
- Taking and managing orders, including calculating the bill.
- Managing the restaurant's menu.
- Send orders directly to the kitchen.
- Restaurants time management.
- A restaurant management system helps run a restaurant smoothly by managing menus, orders, and customer information.

- It allows you to take and process orders, handle payments, and update the menu as needed.
- The system also stores customer details and tracks loyalty rewards.

# OBJECTIVE

- Menu Management
  - Add, update, and remove menu items.
  - Include item descriptions, prices, and categories for easy browsing and selection.
- Order Management
  - Take and manage orders efficiently.
  - Process and calculate the total bill amount accurately.
  - Track order status from placement to delivery.
- Customer Management
  - Store customer information securely.
  - Manage loyalty program data to reward repeat customers.

- Kitchen Display System Integration
    - Send orders directly to the kitchen display system.
    - Ensure seamless communication between front-of-house and kitchen staff.
- Discount and Promotion Management
    - Create and manage discounts, offers, and promotions.
    - Apply promotional codes and discounts during the checkout process.
- Employee Management
    - Manage employee schedules and roles.
    - Store and update employee details including name, email, password, and image.
    - Track performance and attendance.
- Customer Feedback and Reviews
    - Collect customer feedback and reviews.
    - Analyze feedback to improve service quality and customer satisfaction.

- Admin Management
    - Add, edit, and remove staff members.
    - Manage menu items and sliders (carousel images).
    - Approve or remove customer reviews.
- Time Management
    - Track and manage restaurant operating hours.
    - Schedule staff shifts efficiently.
- Offer Management
    - Add new offers and manage existing ones.
    - Implement and apply coupon codes during transactions.

# INTRODUCTION TO DEVELOPMENTENVIROMENT

3.1) What Is PHP ?

3.2) MYSQl

# WHAT IS PHP ?

- PHP (Hypertext Preprocessor) is a very powerful server-side scripting language like ASP for developing dynamic web applications. Using PHP, you can build interactive and dynamic websites with ease. If you have some knowledge about the C language, then learning PHP should be a fairly simple task for you.
- It is free; it is suitable for web development, it is efficient, it is widely used, and it is considered to be the most powerful alternative to Microsoft's ASP. PHP script can be embedded straight into the heart of HTML code just like ASP.
- One of the reasons why PHP is getting more popular is that its syntax is very much similar to that of C and Perl. PHP is compatible with various web servers like Apache and Microsoft's IIS. All the PHP scripts are executed on the server (Apache, IIS, etc.) and it supports various databases like MySQL, Oracle, Solid, Generic ODBC, etc.; however, it is mostly used

with MySQL. Another reason for the ever-increasing popularity of PHP is that it is free to download and use.

- What does a PHP file contain is a common question asked by many PHP learners. A PHP file has an extension of .phtml, .php, or .php3 and it may contain various HTML tags, texts, and scripts. Although a .php file contains scripts, when it is returned to the browser, it is returned as a plain HTML file. We shall learn more about PHP in our coming sections.

## Key Points About PHP:

- **Syntax Similarity:** One reason PHP is getting more popular is that its syntax is very similar to that of C and Perl.
- **Web Server Compatibility:** PHP is compatible with various web servers like Apache and Microsoft's IIS.
- **Database Support:** PHP supports various databases like MySQL, Oracle,

Solid, and generic ODBC. However, it is mostly used with MySQL.

- **Free to Use:** Another reason for the ever-increasing popularity of PHP is that it is free to download and use.

# MYSQL

## Overview of LAMP (Linux, Apache, MySQL, PHP)

- LAMP is a solution stack of software that is open-source (free) and used to run dynamic websites or servers. This combination is highly popular because of its low acquisition cost and the ubiquity of its components.
- eatech offers expert PHP/MySQL web design and programming services to various clients. Our team is well capable of delivering customized LAMP-based solutions from small websites to complex internet applications.
- We leverage the time and cost-saving advantages of open-source technologies to deliver full-featured, scalable, and inexpensive web solutions.

# Overview of MySQL

- The MySQL pluggable storage engine architecture enables a database professional to select a specialized storage engine for a particular application need while being completely shielded from the need to make any specific application coding changes.
- The MySQL server architecture isolates the application programmer and DBA from all of the low-level implementation details at the storage level, providing a consistent and easy application model and API. Thus, although there are different capabilities across different storage engines, the application is shielded from these differences.