MET's BKC Institute of Engineering, Nashik
Department of Computer Engineering

WT MINI PROJECT REPORT

Project Title : Restaurant Management System **Class : TE-B**

Academic Year: 2022-23

Group ID: C-6

Team Member :

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1. **Problem Definition:** Online Restaurant Food Order Web Development Project

   The objective is to develop a user-friendly online restaurant website that allows customers to conveniently browse the menu, place food orders, and have them delivered to their homes. The system should streamline the ordering process, ensure accurate order fulfillment, and provide a seamless customer experience.

   - Menu
   - Delivery and Tracking
   - Order Management and Fulfillment.

2. Abstract :

The purpose of this web development project is to design and develop an online restaurant website using HTML, CSS, PHP, and XAMPP. The objective is to create a robust and user- friendly website that enables users to browse, search, and purchase food online. The project will begin with the design phase, where HTML and CSS will be utilized to create an attractive and responsive user interface. The website will adapt to different screen sizes and providing a seamless experience for users.

Key features of the online restaurant will be implemented using PHP, a server-side scripting language. These features include:

1. **Menu and Item Listings:**

Display an easily navigable and visually appealing menu with categories and descriptions.
Include high-quality images, prices, and any special offers for each menu item.
Enable customers to filter and search for specific dishes or dietary preferences.

2. **Ordering and Customization:**

Enable customers to add desired items to their shopping carts.
Allow customization of menu items with options like size, toppings, and preferences.
Provide a summary of the order with item details, quantities, and total cost.

3. **Order Management and Fulfillment:**

Notify the restaurant staff of incoming orders in real-time.
Allow staff to accept, prepare, and mark orders as ready for delivery.
Integrate with the kitchen or POS system to ensure accurate and timely order preparation.

The XAMPP stack will be utilized for hosting and testing the website locally. XAMPP includes Apache as the web server, MySQL as the database management system, and PHP for server-side scripting. This combination provides a comprehensive and integrated development environment for the project.

Through the implementation of HTML, CSS, PHP, and XAMPP, this online restaurant website development project aims to create user-friendly platform that enhances the food order experience for users, offering a wide range of foods and facilitating smooth and secure online transactions.

3. Introduction :

The online food order has seen significant growth in recent years, with more people opting for the convenience of browsing and order food online. To tap into this market and provide an enhanced user experience, this web development project aims to create an online food order website using HTML, CSS, PHP, and XAMPP. The objective of this project is to develop a user- friendly and feature-rich website where food lovers can explore a vast menu of foods and make secure online orders. By leveraging the power of HTML, CSS, PHP, and XAMPP, we can create an engaging and interactive platform that meets the needs of both food buyers and sellers.

HTML and CSS will be used to design an appealing and intuitive user interface that ensures a seamless browsing experience across different screen sizes. The website will feature a visually pleasing layout, clear navigation menus, and interactive elements to enhance user engagement. PHP, a server-side scripting language, will play a vital role in implementing various functionalities of the online food order. PHP will be used to create user registration and authentication systems, ensuring secure access and protecting user data. The project will also focus on developing a robust search functionality, allowing users to find foods based on different criteria such as food item, restaurant, or keywords. Filtering and sorting options will be implemented to enhance search accuracy and improve the overall user experience. XAMPP, a widely used web development stack, will be utilized for hosting and testing the website locally. It provides a comprehensive environment that includes Apache as the web server, MySQL as the database management system, and PHP for server-side scripting. By combining HTML, CSS, PHP, and XAMPP, this online food order web development project aims to create a compelling and user-friendly platform that revolutionizes the way users discover, explore, and order food online.

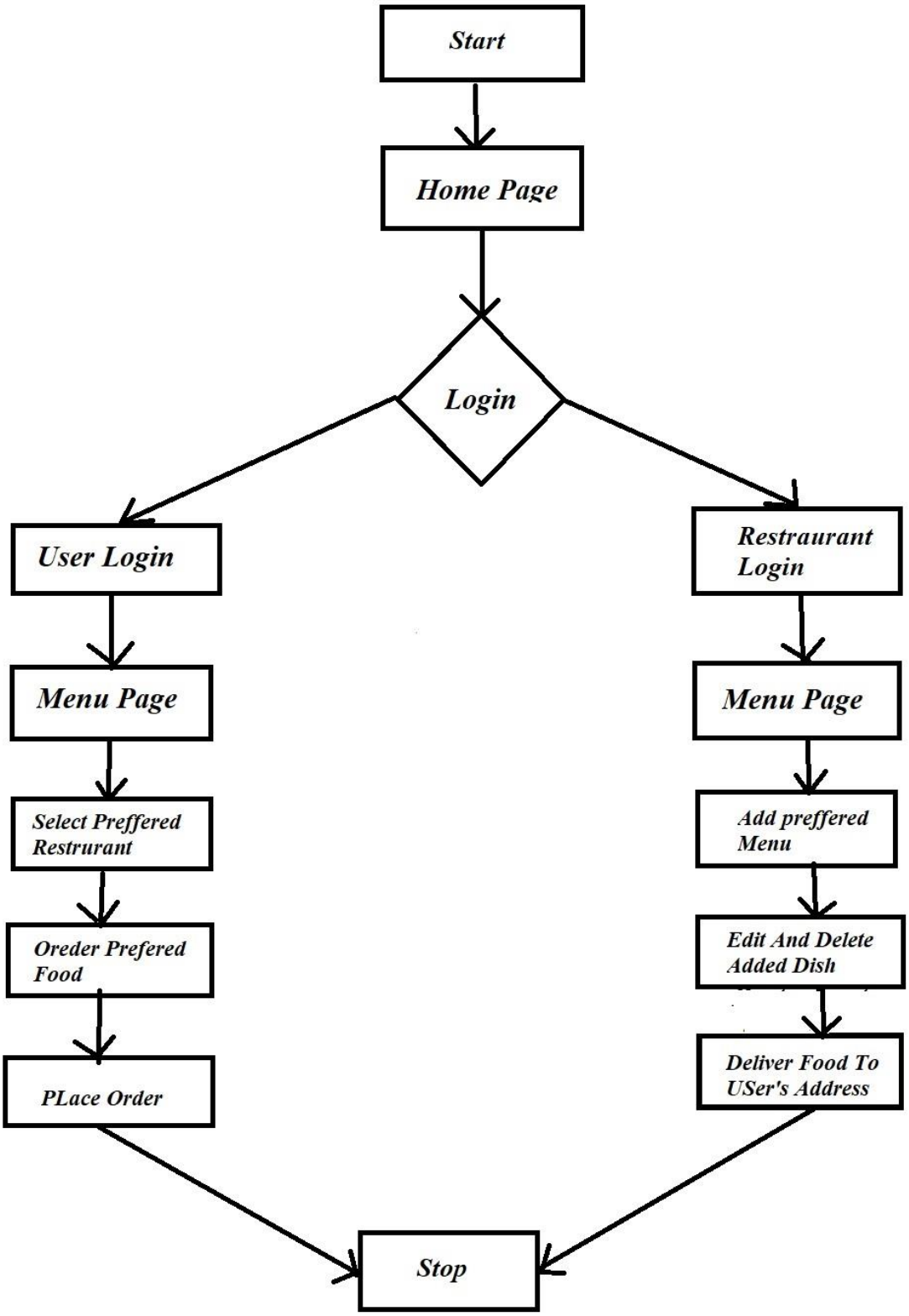
4. Objectives:

The primary objectives of our project are:

- To create an online food order website that provides an attractive and user-friendly interface for users to browse and order food conveniently.
- To design a responsive website that can adapt to different screen sizes and devices,offering a seamless user experience.
- To implement a robust food menu management system using PHP and a Mysql database.
- To develop a user registration and authentication system using PHP, ensuring secureaccess and protecting user data.
- To host and test the website locally using XAMPP, ensuring seamless development and deployment processes.

This web development project aims to create an online food order website that enhances the food delivering experience for users, offering a wide range of foods. Through the use of HTML, CSS, PHP, and XAMPP, we can achieve these objectives and create a dynamic platform that meets the needs of food lovers.

5. **System Design :** (Architecture/Flowchart of System)



6. Implementation Details (Modules) :

- Modules:
  i. Registration Module
  ii. Login Module
  iii. Home Page
  iv. Order Page
  v. Checkout and Payment

7. Minimum Software & Hardware Requirements:

1) **Software Requirements** :

- HTML
- CSS
- JAVASCRIPT
- MYSQL
- VS CODE
- XAMPP

2) **Hardware Requirements** :

- Operating System(Windows)
- 4GB or Above RAM
- 250 GB SSD or Above

8. Results : (Snapshot)

1. Menu Page:

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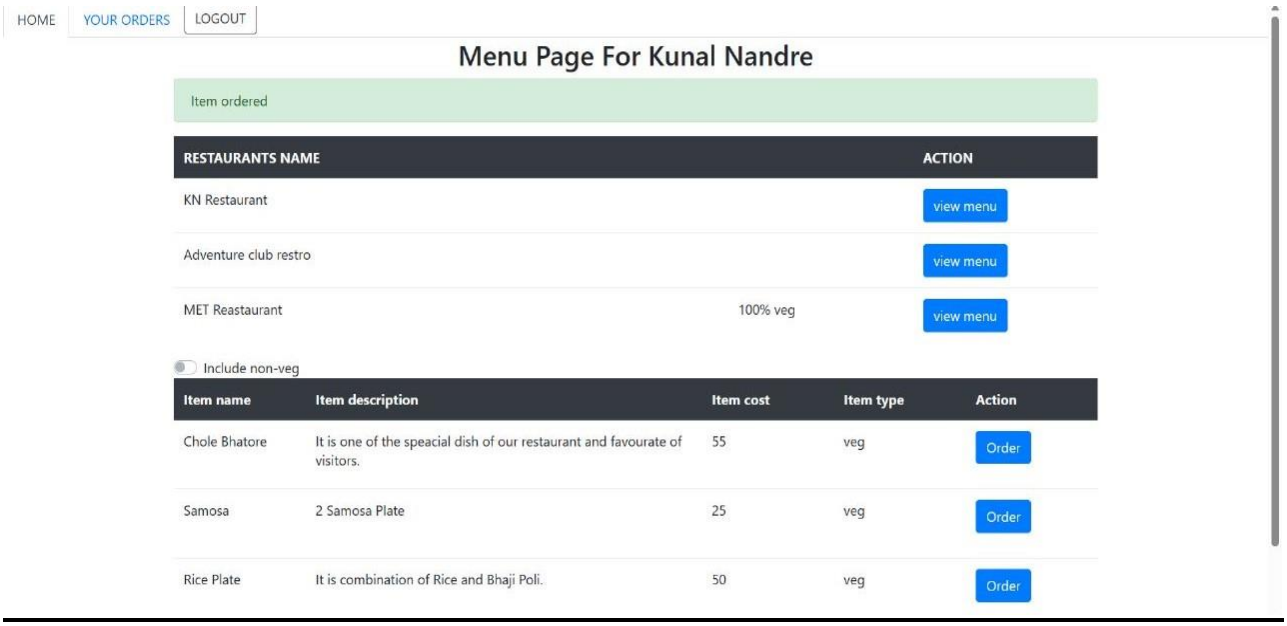
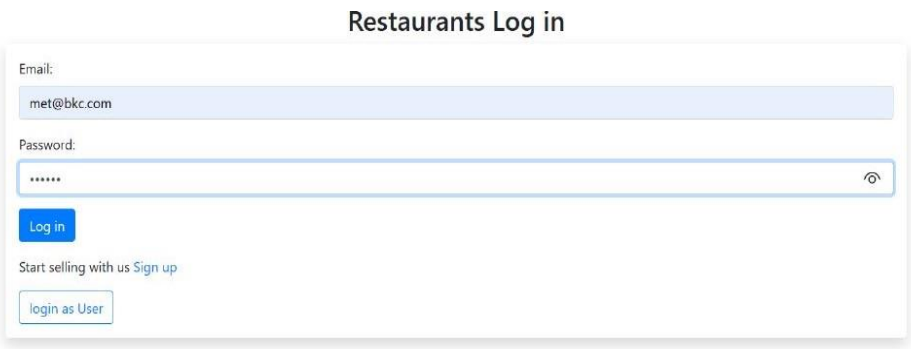
2. SignIn Page For User:

3.Menu Page For User:

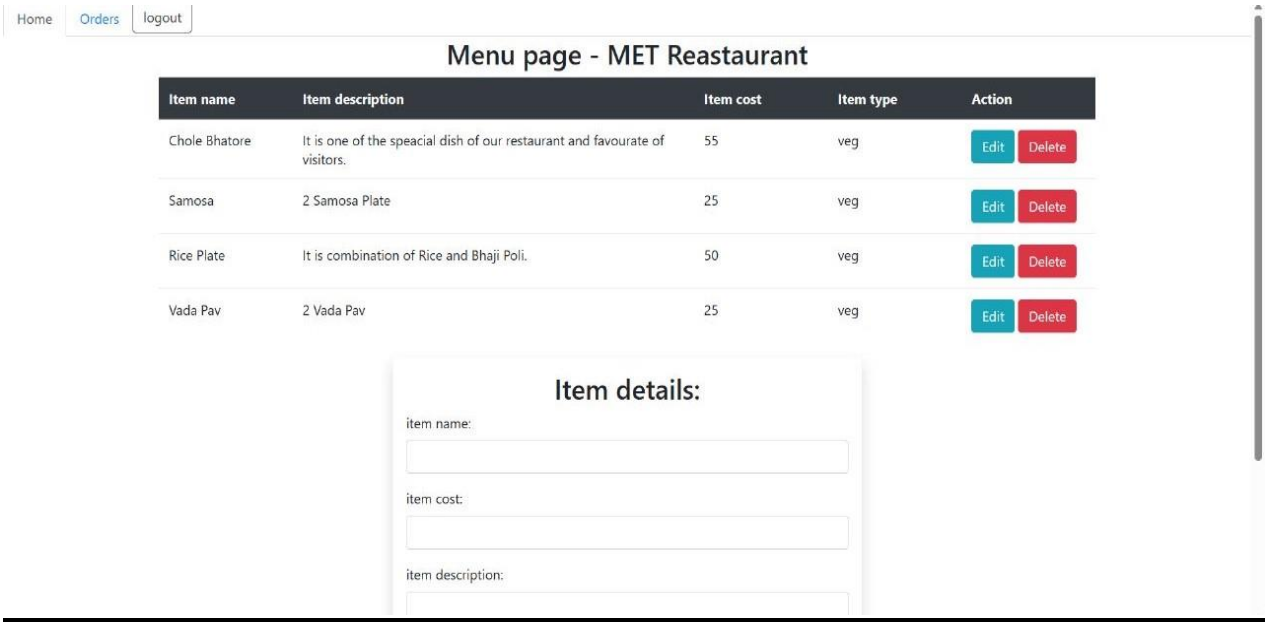
4.Choose Restaurant & Order:



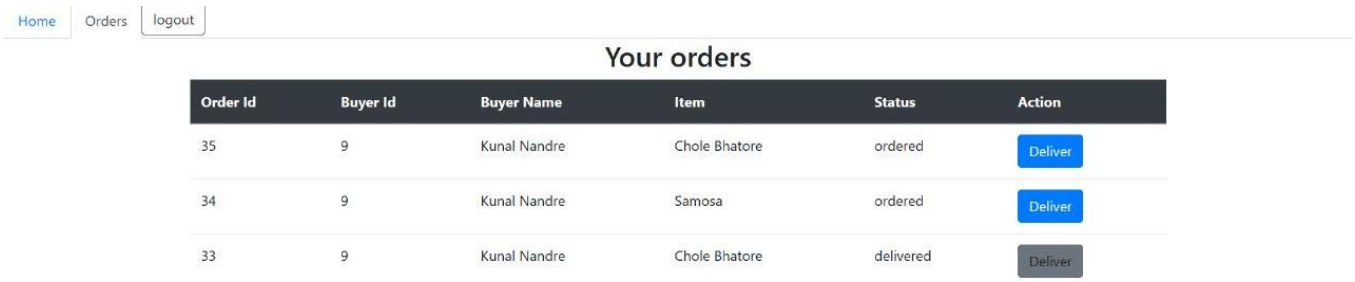
5.Restaurant Login:



6.Update Menu:



7.Restaurant Orders:



9. Applications :

- **Personalized Experience:**

  User login allows customers to create profiles with their preferences, dietary restrictions, and favorite dishes.

  The website can recommend menu items and promotions based on the user's previous orders and preferences.

  Users can save their preferred delivery addresses and payment methods for faster and more convenient ordering.

- **Order Management:**

  Restaurants can log in to the website to view and manage incoming orders.

  They can access order details, including customer information, order items, and delivery instructions.

  Restaurants can update the order status, mark orders as prepared or in-progress, and notify customers of any delays or changes.

- **Account Management:**

  Restaurants can update their account information, including contact details, address, or operational hours.

  They can manage their business profiles, upload images, and provide additional information to attract customers.

  Restaurants can also manage their payment preferences and receive financial reports or statements.

- **Account Management and Support:**

  Users can update their personal information, including delivery addresses and contact details, through their accounts.

  User login provides a channel for customer support, where users can raise inquiries, report issues, or seek assistance regarding their orders or account.

10. Conclusion :

The development of our website using HTML, CSS, PHP, and XAMPP offers a comprehensive and robust solution for creating an engaging and functional platform for order food online. HTML provides the structure and layout of the website, while CSS enhances the visual appeal and user experience. PHP, combined with the XAMPP server, enables dynamic functionality such as user registration, login authentication, and database integration.

By utilizing HTML, CSS, PHP, and XAMPP, this online food order website development project empowers customers with a modern, accessible, and convenient platform to explore and order food.

Project Guide
(Prof. A. N. GHARU)