NOIDA INSTITUTE OF ENGINEERING
&
TECHENOLOGY

GRATER NOIDA, UTTAR PRADESH

FOOD ORDRING WEBSITE FOR RESTAURENT PROJECT REPORT

BACHELOR OF TECHNOLOGY
CSE(AI) - 4th Semester 2022-23

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DECLARATION

We herewith declare that the project work conferred during this report entitled “FOOD ORDERING WEBSITE FOR RESAURANT” , in partial fulfillment of the necessity for the award of the degree of Bachelor of Technology in Artificial Intelligence, submitted to A.P.J. Abdul Kalam Pradesh Technical University, Uttar Pradesh, is an authentic record of our own work distributed in Department of Artificial Intelligence, Noida Institute of Engineering and Technology, Greater Noida. It contains no material antecedently printed or written by another person except wherever due acknowledgement has been created within the text. The project work reported during this report has not been submitted by us for award of the other degree or certification.

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ACKNOWLEDGEMENT

We would like to express our sincere thanks to our project supervisor Ms. RUCHIKA and our Head of department Ms. PRIYANKA , NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, Greater Noida for their invaluable guidance and suggestions. This project helped to us to understand the concept of machine learning and IOT. This project enriches our knowledge and experience of working in a team and a live project. Also, we would like to express gratitude to Ms.Ruchika ma'am for his help in preparation and overview of our project. Lastly, we would like to thank all the faculties for providing their valuable time whenever needed for helping us carry on with our project

ABSTRACT

Our proposed system is a food ordering website for restaurant that enables ease for the customers. It overcomes the disadvantages of the traditional queueing system. Our proposed system is a medium to order online food hassle free from restaurants as well as mess service. This system improves the method of taking the order from customer. The online food ordering system sets up a food menu online and customers can easily place the order as per their wish. Also with a food menu, customers can easily track the orders. This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend hotels, food, based on the ratings given by the user, the hotel staff will be informed for the improvements along with the quality.

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INTRODUCTION

Food Ordering Website is an interface by which one can order various foods and beverages from some local restaurant and hotels through the use of internet, just by sitting at home or any place. And the order is delivered to the told location. Nowadays everyone is leaving busy schedule whether it is urban area or rural. But talking specifically about the urban areas and deeply about the big cities, people out there are so busy in their life that they don't get enough of time to have their meal s properly. As these days women are no less than men, in any field. So in big cities even wives are working women, therefore mostly the small families manage to have their food ordered from somewhere, as they lack ti rue. Not only this is the case, if we talk about the children in the modern era they like only fast food or something from the outside. But they ignore eating homemade meals. So food ordering website these days has one of the fastest growing market, though being a new idea. In this project we have developed something like the same to earn from and serve the nation in a much better way possible. Nowadays, people are more regular to dine-in at restaurant for their meals

The food ordering website provides convenience for the customers that are nothing special but the general busy people of the society. It overcomes the demerits of the manual hotel or mess system and the old fashioned queuing system. This system enhances the readymade of foods than people. Therefore, this system enhances the speed of getting food in person's plate and quality and manner of taking the order from the customer. It provides a better communication platform. The user's details are stored using the electronic media. The online food ordering system provides the menu online and the customers can easily place the order by just clicking the mouse or by touching a button on their smart phones. Also with the food ordering system online, people can easily track their orders, and admin can maintain customer's database and advance the food delivery system. This food ordering system allows the user to select the desired food items from a list of available menu items provided by the local hotel or restaurant. The user can place orders for the food items of their like from the list.

The main goal of developing Food Order project is to change way of restaurant business. Customers who is free they can visit restaurant directly and they can order their favorite food. But customers who has busy in his work will not get time to visit his favorite restaurant. This project allows customer to order food items through online and ordered food items will be delivered to customers place. One of the various benefits of this is system is that if there is rush or a huge crowd present in the restaurant then in that case sometimes unavailability of tables cut downs the restaurants customer. Also there will be chances that the waiters are unavailable as they are busy in handling others, so the customer

can directly order the food to the chef online by using this application, by checking the seat availability in the restaurant.

OBJECTIVE

The main objective of the Project on Food Ordering Website for Restaurant is to manage the details of Food Item, Category, Customer, Order, Confirm Order. It manages all the information about Food Item, Payment, Confirm Order, Food Item. The project is totally built at administrative end and
thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for
managing the Food Item, Category, Payment, Customer. It tracks all the details about the Customer, Order, Confirm Order

LITERATURE REVIEW

1.CASE STUDY

This Case study looks at the problem of setting up a fast food restaurant. In existing system there are few problems:

- 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.

Hence, to solve this issue, what I propose is an "Food Order Website, originally designed for small scale business like College Cafeterias, Fast Food restaurant or Take-Out, but this system is just as applicable in any food delivery industry.

2. STUDIES AND FINDINGS

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes. When tags like , and color attributes were added to the HTML 3.2 specification, it started a nightmare for web developers.
Development of large websites, where fonts and color information were added to every single page, became a long and expensive process. JavaScript often abbreviated as JS, is an interpreted programming language that conforms to the ECMA Script specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype- based object-orientation, and first-class functions. Alongside HTML and CSS,

JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part web applications. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it. As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interface

PROPOSED SYSTEM

1. REQUIREMENTS

This section lists the minimum hardware and software requirements needed to run the system efficiently.

(a) Hardware:

- Intel Core i3 Processor
- 100 MB of free hard-drive space
- 128 MB of RAM

(b) Software:

- Operating System: Windows (Window 7 or above)
- Web Browser:Microsoft Edge or Google Chrome
- Integrated Development Environment: Microsoft VS Code

Visual Studio Code

Visual Studio Code for the Web provides a free, zero-install Microsoft Visual Studio Code experience running entirely in your browser, allowing you to quickly and safely browse source code repositories and make lightweight code changes.

VS Code for the Web has many of the features of VS Code Desktop that you love, including search and syntax highlighting while browsing and editing, along with extension support to work on your codebase and make simpler edits. In addition to opening repositories, forks, and pull requests from source control providers like GitHub and Azure Repos .We used extension(like live server) which will help us to format the JavaScript, HTML, CSS code.

VS Code for the Web runs entirely in your web browser, so there are certain limitations compared to the desktop experience.

2. SPECIFICATIONS

Functionalities

- Provides search options based on a variety of criteria. like Food Item, Customer, Order, and Order Confirmation
- It keeps track of all the data regarding Categories, Orders, etc.
- Manage the category's details.
- Displays the food item's information and description for the customer. Easy to manage the Food Item, Category more effectively.
- It focuses on keeping track of order's data and transactions.
- Manage the food item's information.
- Improvements in editing, adding, and updating records lead to proper resource management of food item data.
- Manage the order's information by combining all Confirm Order data.

Features

- Based on products and components.
- Reporting & Charting in a more thorough manner.
- User accounts are used to manage access and uphold security.
- Straightforward status & resolutions.
- Priorities and severity levels at various levels as well as targets and milestones for the programmers to follow.
- Various levels of reports are provided with many filtering options.
- Information retrieval is simple and quick. nicely crafted reports.
- Reduce the workload of the person using the current manual system.
- Individual access to any information.

3. LANGUAGE USED

This Food Ordering Website
created **by** making **use** of **HTML**, **CSS**, **JavaScript languages**

HTML

- •Hypertext Markup Language
- •Structure of Page

The HTML file plays a couple of significant roles in a webpage. Hypertext Markup Language, or HTML, is a programming language used to describe the structure of information on a webpage. Together, HTML, CSS, and JavaScript make up the essential building blocks of websites worldwide, with CSS controlling a page's appearance and JavaScript programming its functionality.

HTML (Web) Page /Document

- •User Interface for the Web (site or application)
- •A plain text file –human readable
- •Transported on HTTP -HyperText Transfer Protocol

CSS

- •Cascading Style Sheets
- •Presentation/Styling

CSS is a language for styling the webpage. We can change the appearance and the layout of the webpage by using CSS. We can also define how a website's view changes in different screens like desktops, tablets, and mobile devices.

CSS allowed several innovations to webpage layout, such as the ability to:

- Specify fonts other than the default for the browser
- Specify color and size of text and links
- Apply colors to backgrounds

- Contain webpage elements in boxes and float those boxes to specific positions on the page

JavaScript

•Interactivity with User

•Dynamic Updates in a Web Page

JavaScript is a client-side programming language which helps web developer to do Web Application Development and make dynamic and interactive web pages by implementing custom clientside scripts. Developers can also use cross-platform runtime engines like Node.js to write server-side code in JavaScript. Developers can also create web pages which works well across various browsers, platforms, and devices by combining JavaScript, HTML5, and CSS3.

METHODLOGY

The simulation first starts with the customer entering on website Homepage.Here the customer can see the website logo and description form the homepage customer can go on any other section.And he/She can an order specifying the quantity of the food required. Now we get on the down of page that displays food name, price and quantity.Home page contains all button to go on other section that is Popular, Order,Review,Gallery and other By selecting the food ore clicking on order button customer go on the order section and by filling information they can order the food.

Process of developing

- •Defined components on the page with HTML
- •Make them look pleasing with CSS
- •Enable interactivity with JavaScript

(1) Planning

During the planning phase of creating a food ordering website, it is essential to define the objectives, target audience, and scope of the project. We are see some real problem with food order in restaurants.This system proves to be more effective and reliable than other traditional systems. .

(2) Structure with HTML

HTML is the language for describing the structure of Web pages. HTML gives authors the means to: Publish online documents with headings, text, tables, lists, photos, etc. Retrieve online information via hypertext links, at the click of a button.

(3) Styling with CSS

CSS we style the HTML pages to set the layout of our web page with beautiful colors, fonts, and much more. Effects

(4) JavaScript

It is used to create dynamically updating content, use animations, pop-up menus, clickable buttons, control multimedia

IMPLEMENTATION

6.1 Visualization of Online Food Website

Home page

In home page we see introduction to restaurant and the face of website where we can access each and every section including Speciality, gallery , popular items,review and order button. refer fig 1

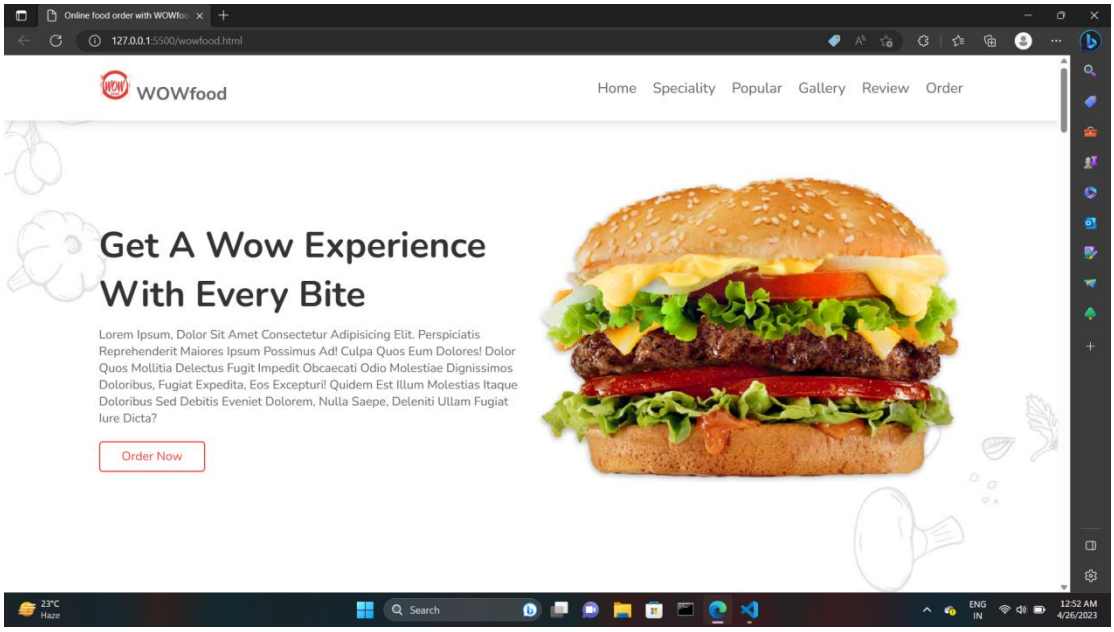

Fig 1 : Home of website from here customer can go in every section

Speciality

In this section we have added types of food available of the restaurant. Here we are added some effects with css in this like a menu for a restaurant refer Fig 2

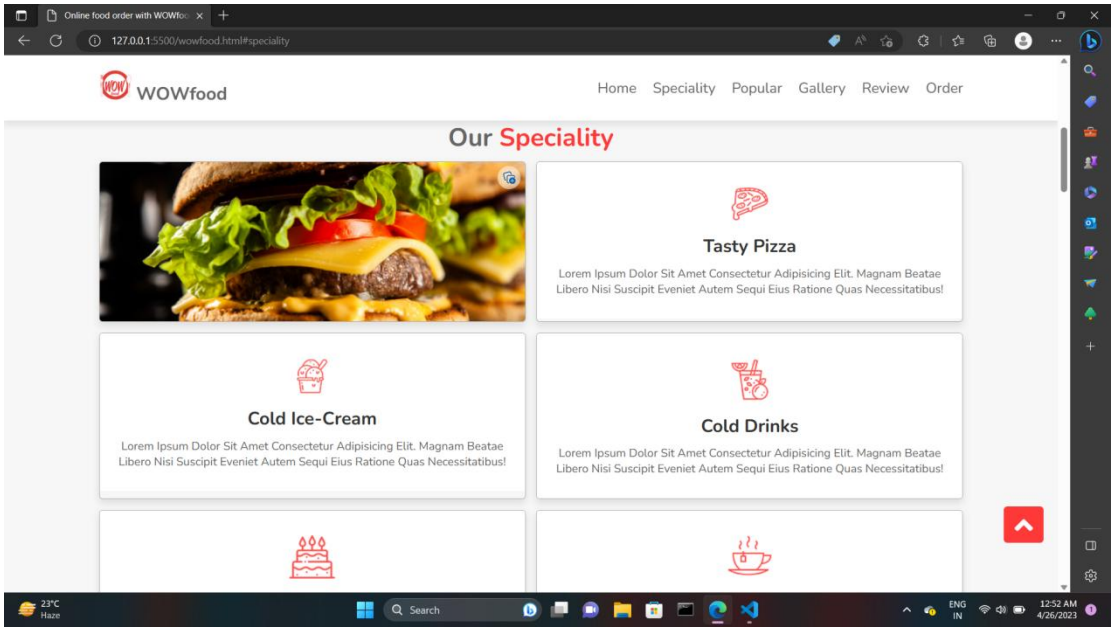

Fig 2 : Our Speciality it include the available features in restaurant

Popular

Here some popular foods with order button and image .

By clicking on order button customer can order the selected food, Fig 3

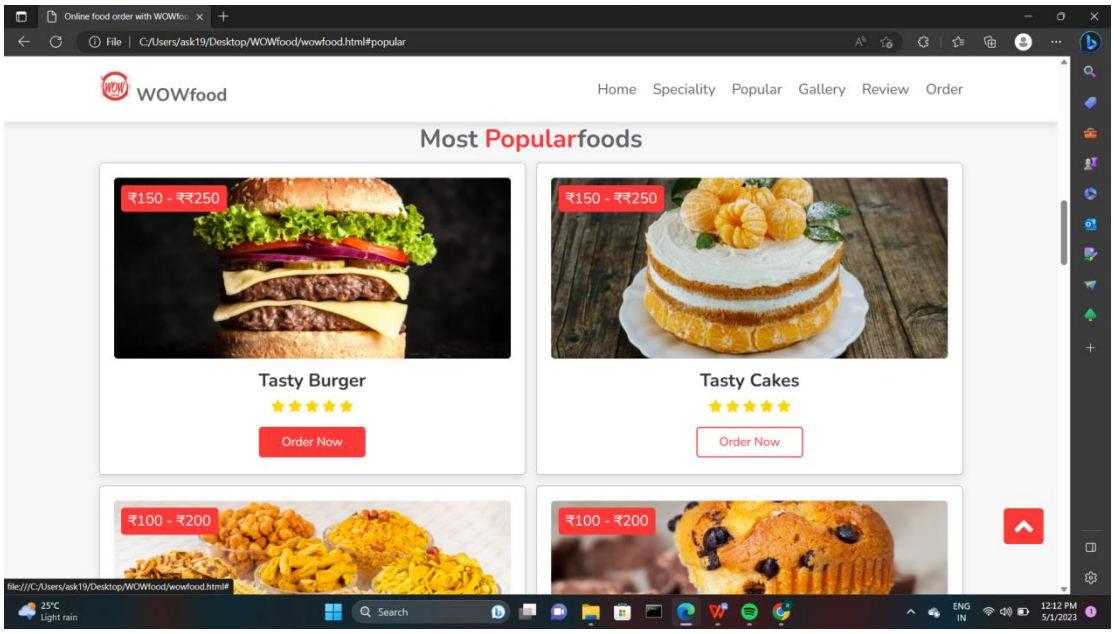

Fig 3 : Most popular foods , here listed most popular foods

Gallery

In the gallery section we have added some pictures of the food with haver effect. See Fig 4

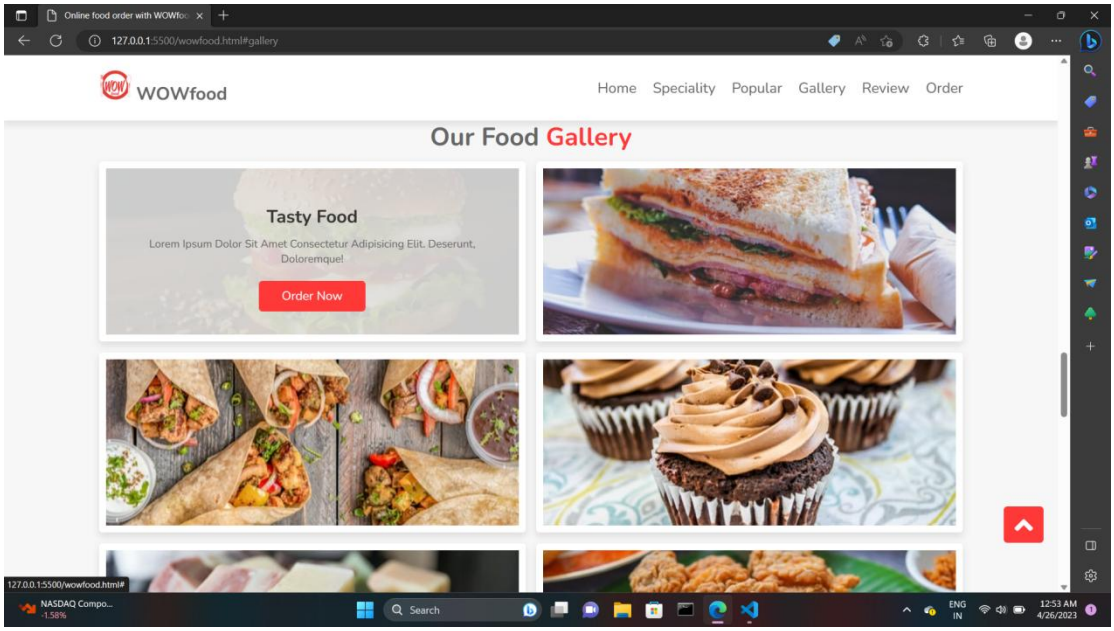

Fig 4 : Our Food Gallery include all available foods

Review

In this section user can see the some reviews of our customers

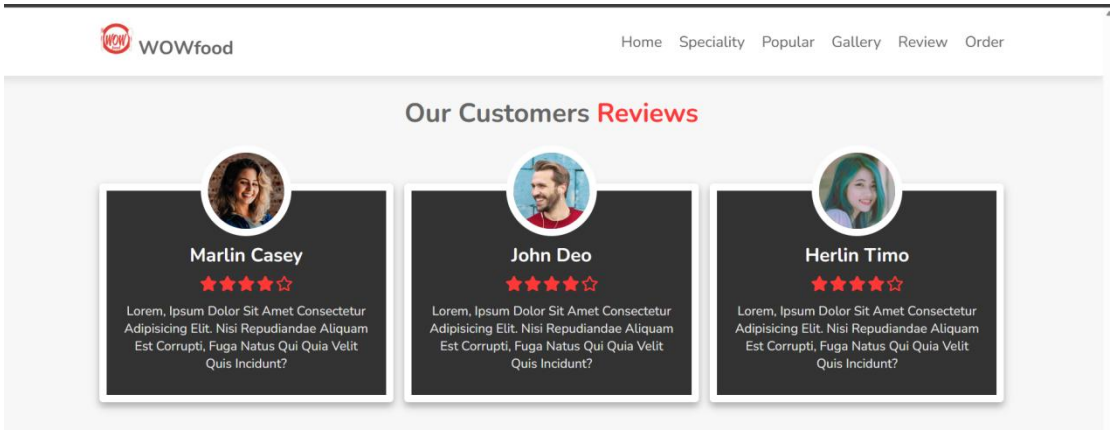

Fig 5 : Our customers Reviews

Order

From here customer can order the food. From the order section customer can order the food by name which is given in gallery by filling some information when user click on order button then redirected on this page , refer the Fig 6

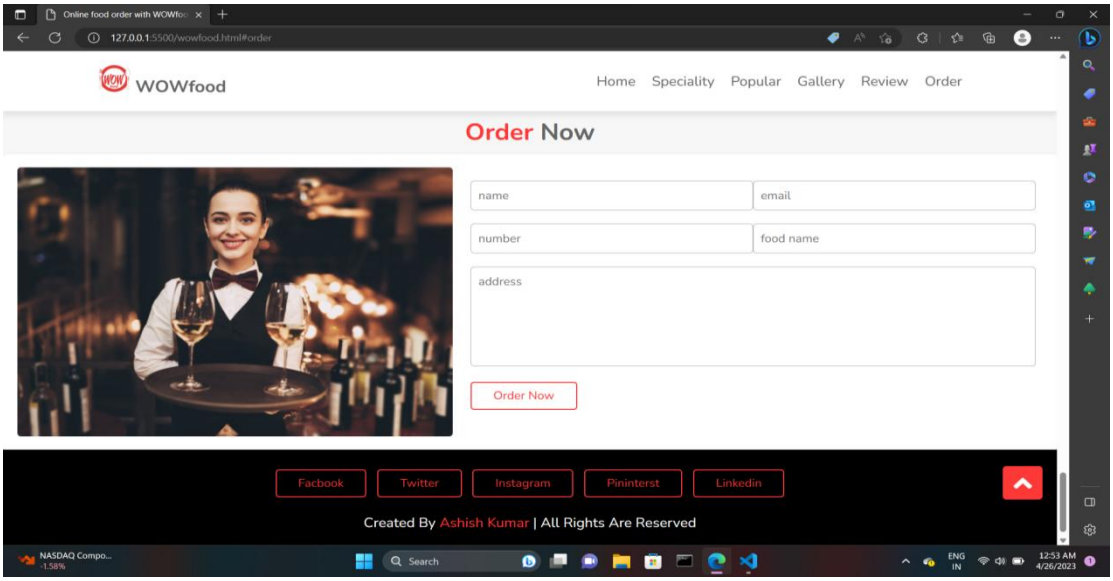

Fig 6 : Order Section here customer can order food

Responsiveness

This website respond to the user's behavior and environment based on screen size, platform and orientation user can open this website in phone , laptop and any other screens refer Fig 7 and Fig 8

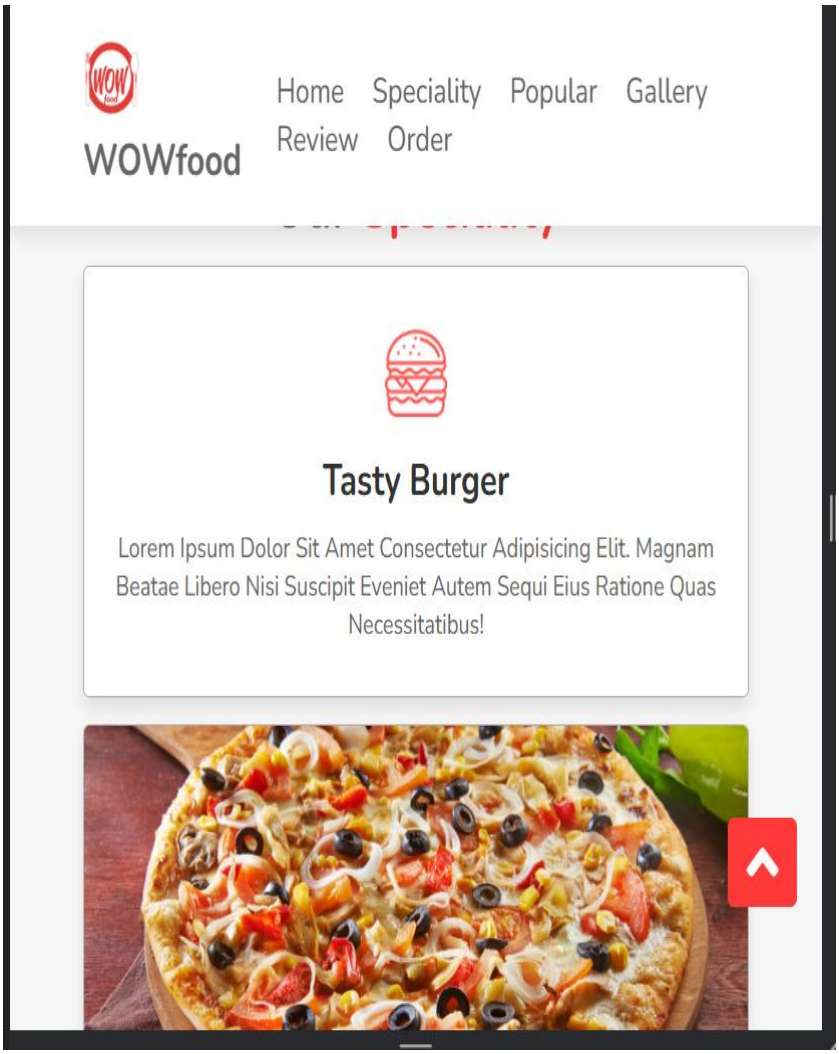

Fig **7 :** Page size 648X580

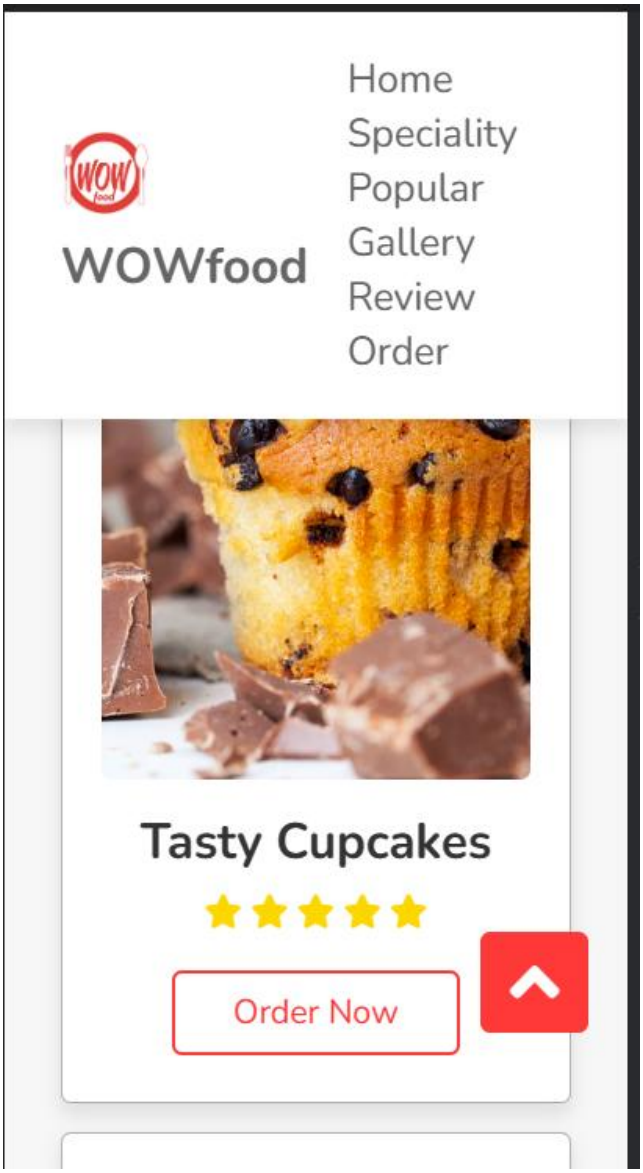

Fig 8 : Page size 320X580

6.2 Facing Problem During Development

The Project During the construction of the web application "Food Order Website" the developer ran into a few issues. Here are a few issues in brief:

I. Requirement Gathering Phase: It is a crucial step. The project will fail if the requirements are poor. At that time, developer became disappointed when Developer was collecting information and data then what information and data will be helpful or appropriate for this project.

II. During Design Phase: At this moment, the developer struggled to decide which flowchart would be best for this project when creating it.

III. Development Phase: It is a very major component of the undertaking. Frequently, the developer misplaced the semicolon (;) at the conclusion of the statement.

IV. Testing Phase: It is an essential component of the project. This section will aid with project testing overall. During testing, developer has faced some bugs of the project.

RESULTS

With the help of this Website, people can easily order the food. It can also ensure that the people do not waste their precious time and use their time productively in the other works. In long run, this will ensure that it helps to reduce labour cost. This website proves to be more cost effective and reliable over other systems. It is very easy to use and has least maintenance. It does not require any human intervention and thus can be called fully automated. There isn't any limitations as such for this system, however one needs to take care of the smaller parameters like server breakdown while this system is implemented.

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

i. People can successfully order the food using the proposed system.

ii. There will be a lesser requirement of staff at the back counter.

iii. The system will help in reduction of labour cost involved and also reduces the space required to set up cafeterias in the restricted area.

iv. As it is an automated system it is less probable to make any mistakes.

v. The customers can avoid the long queues at the counter, with a reasonable speed of execution and maximum throughput.

CONCLUSION

In this project we have learnt about HTNL, CSS, Javascript and its simplicity, ease to make GUI, ease of Microsoft Access database. The ease of connecting the GUI to database. This project made a place in my very starting interest of the website development. Our project is only a humble venire to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful At the end it is concluded that we have made effort on following points. A description of the background and context of the project and its relation to work already dome in the area. Made statement of the aims and objectives of the project. The description of Purpose. Scope, and applicability. We define the problem on which we are working in the project. We describe the requirement Specifications of the system and the actions that can be done on these things. We understand the problem domain and produce a model of the system.

Our project is only a humble venture to satisfy the needs to manage their project work. Sevral user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

At the end it is concluded that we have made effort on following points. A description of the background and context of the project and its relation to work already done in the area. Made statement of the aims and objectives of the project. The description of Purpose. Scope, and applicability. We define the problem on which we are working in the project. We describe the requirement Specifications of the system and the actions that can be done on these things. We understand the problem domain and produce a model of’ the system, which describes operations that can be performed on the system. We included features and operations in detail, including screen layouts. We designed user interface and security issues related to system. Finally the system is implemented and tested according to test cases.

FUTURE SCOPE

The future scope of food ordering websites for restaurants is promising, with the potential for significant growth in the coming years. Here are some key trends and developments that suggest a bright future for this industry:

1. Increasing consumer demand: The trend of ordering food online has been on the rise for the past few years, and the COVID-19 pandemic has accelerated this trend further. More and more people are turning to online food ordering as a convenient and safe way to get their meals.
2. Growing market size: The online food ordering market is expected to grow significantly in the coming years. According to a report by Statista, the global online food delivery market is projected to reach $151.5 billion by 2025.
3. Enhanced user experience: food ordering websites are continuously improving their user interface and adding new features to enhance the user experience. This includes features such as real-time tracking, personalized recommendations, and easy payment options.
4. Integration with other platforms: Online food ordering websites are increasingly integrating with other platforms such as social media and messaging apps. This makes it easier for customers to place orders and helps restaurants reach a wider audience.
5. Increased use of AI and data analytics: Online food ordering websites are leveraging artificial intelligence and data analytics to provide personalized recommendations, optimize delivery routes, and improve overall efficiency.

Overall, the future of food ordering websites for restaurants looks bright. As more people embrace online ordering and new technologies are developed, the industry is poised for significant growth and innovation.

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