e-ISSN:2582-7219

INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

Volume 7, Issue 12, December 2024

INTERNATIONAL STANDARD SERIAL NUMBER INDIA

Impact Factor: 7.521

© 2024 IJMRSET | Volume 7, Issue 12, December 2024| DOI: 10.15680/IJMRSET.2024.0712206

ISSN: 2582-7219 | www.ijmrset.com | Impact Factor: 7.521| ESTD Year: 2018|

International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

Website Development of Restaurant Management

Krishu Panchal[1], Ekta Chowhan[2], Prof. Dr. Shailesh Gondal[3]

Department of Computer Application, University of RGPV, Acropolis Institute of Technology and Research, Indore, India[1,2,3]

ABSTRACT: The Restaurant Management website provide convince for the customer. The restaurant management system is there to help communication between all teams within a restaurant by minimizing the probability of human error and getting a more efficient and effective information. This System set up menu online and the customers easily places the order with a simple mouse click. By using the food menu online anyone can easily track the orders, maintain customer's database and improve food delivery service.

KEYWORDS: Track, restaurant, improve, food delivery.

I. INTRODUCTION

"Restaurant Management Website" is a web development . This system is developed to automate day to day activity of a restaurant. Restaurant is a kind of business that serves people all over the world with ready-made food. This system is developed to provide service facilities to restaurants and also to the customer.

This restaurant management system can be used by employees in a restaurant to handle the clients, their orders and can help them easily find free tables or place orders. The services that are provided are food ordering and reservation table management by the customer through the system online, customer information management and waiter information management, menu information management and report. The restaurant menu is organized by categories (appetizers, soups, salads, entrees, sides and drinks) of menu items. Main objective of the system is to provide ordering and reservation service online to the customer. Each menu item has a name, price and associated recipe.

A recipe for a menu item has a chef, preparation instruction sand associated ingredients. With this system online, ordering and reservation management will become easier and systematic to replace traditional system where are still using paper. To resister a meal online, the customer has to become a member first then he can access the later part of the site. this project to facilitate customer for make online ordering and reservation. The option of becoming member was only an attempt to avoid (to some extent) placing the fake bookings.

Online Restaurant management system is the system for manage the restaurant business. After successful login the customer can access the menu page with the items listed according to the desired time. The main point of developing this system is to help restaurant administrator manage the restaurant business and help customer for online ordering and reserve table. In proposed system user can search for a menu according to his choice i.e. according to price range and category of food and later he can order a meal.

The project is developing because; many restaurants have a lot difficult to manage the business such as customer ordering and reservation table. If the customer book an order and later wants to cancel the order, he is permitted to do this only within a specific time period. By using manual customer ordering is difficult to waiter keep the correct customer information and maybe lose the customer information. The customer is also given with the facility to view the status of the order and if the order is ready then he can go and get it.

1. Languages used for development of website:

1.1Html: 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.

© 2024 IJMRSET | Volume 7, Issue 12, December 2024| DOI: 10.15680/IJMRSET.2024.0712206

ISSN: 2582-7219 | www.ijmrset.com | Impact Factor: 7.521| ESTD Year: 2018|

International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

1.2CSS: CSS (Cascading Style Sheets) 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.

1.3Javascript: 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 client side 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 CSS

2. E Web Marketing:

Digital marketing strategies may include the use of one or more online channels and techniques to increase brand awareness among consumers. Building brand awareness may involve such methods/tools as:

2.1Search Engine Optimization (SEO): Search engine optimization techniques may be used to improve the visibility of business websites and brand related content for common industry-related search queries.The importance of SEO to increasing brand awareness is said to correlate with the growing influence of search results and search features like featured snippets, knowledge panels and local SEO on customer behavior.

2.2Search Engine Marketing (SEM): SEM, also known as PPC advertising, involves the purchase of ad space in prominent, visible positions atop search results pages and websites. Search ads have been shown to have a positive impact on brand recognition, awareness and conversions. 33% of searchers who click on paid ads do so because they directly respond to their particular search query.

2.3Social Media Marketing: 70% of marketers list increasing brand awareness as their number one goal for marketing on social media platforms. Facebook, Instagram, Twitter and YouTube are listed as the top platforms currently used by social media marketing teams.

2.4Web Marketing: Web marketing is the process of using the Internet to market your business. It includes the use of social media, search engines, blogging, videos, and email. Promoting a business takes effort. There are a variety of ways to do it. Traditional advertising in newspapers, on the radio and television, direct mail, and billboards has been around for decades. Web marketing takes your message to the big wide web. With tons of people using the internet every day, there are huge opportunities to get your product or service in front of **2.5 Software Development**: people who need or want it.

Software development is the collective processes involved in creating software programs, embodying all the stages throughout the systems development life cycle. SDLC methodologies support the design of software to meet a business need, the development of software to meet the specified design and the deployment of software to production. A methodology should also support maintenance, although that option may or may not be chosen, depending on the project in question.

II. WEBSITE DEVELOPMENT PROCESS

1. Various Steps consider in Website Development Process:

1.1 Analysis: Firstly, better understand the website requirement creation, including website Design and Website looks and feels, the Web pages uses, website content and for suggestion and discussions, a proper space available on a web site for easily approachable.

1.2 Specification: Predicated on Requisite, prepare a draft designation of Web pages to be developed include the sitemap and a flow of various process

1.3 Design & Development: Invention and Development plays a significant role in Web Development. Graphical looks and feel according to the most impressive and efficient way, Graphical elements required for design are

ISSN: 2582-7219 | www.ijmrset.com | Impact Factor: 7.521| ESTD Year: 2018|

International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

appearing more impressive, for this use color and image. Design of web pages, computer graphic includes navigation mock- up, template content and placeholders

1.4 Content Writing: Writing of contents is a significant part of development of web pages and plays an important and necessary step in the optimization Engine, a well-defined or easy content is utterly necessary to fall in internet site users. Content written by a more professional requires more pure, easy and accurate content.

1.5 Coding: Coding start of a Web Pages in CSS, HTML, Java scripts and other technologies of WWW (world wide web), for drawing of the graphic and text contents, we look at the code of web page constantly like as webpage design. Coding of a web page is loading fastly search engine and index give us rank very quickly. Every web page of a website takes a unique title, unique meta tags as keywords and descriptions. We can create links of internal with keywords of website to explore the search engine ranking and navigation.

1.6 Testing & Security: Testing as well play an important role in website development, testing is done for browser compatibility, broken links and can check the speed of loading pages, and loading speed of images. We can also check validation of HTML code, validation of CSS, checking of spelling and build alterations to rectification of mistakes and can perform test of functional on processes of websites like payment, postal services, registration, etc., these Check as per requirement.

2. Actual Implementation:

In our project we created a Restaurant management website which having the complete information of items and their services. This Website which is develop with some ideas and portability purpose that may help some fresher to look around it and may show some i t against the restaurant management by doing some enquithrough these website. Here the data is arranged properly by which its updating will be easier in future as the requirement or demand increase towards the website. It contains updated and useful for data for the restaurant management. We have used platform html,css for our restaurant management.

III. FUTURE SCOPE

The following sections describe the work that will be implemented with future release of the software: · Tablet on table: there will be a tablet on each table, this
will allow the customers to browse the food item for the time they wish, and food item that customer wish. · Customer feedback:- Customer can enter the feedback about the service and the food served. This helps the restaurant owner to analyses the service and makes necessary changes if needed.

- Offers for customer: The restaurant owner can post various offers on tablet.
- Time to serve: The menu includes the approximate time to be served of a particular food item. This will help the customer to select the food item accordingly.
- Sorting an item: The food item will be sorted according to price, Season, and user ratings; this helps the customer to select a food item which has a good rating and which is liked by a many customers

IV. CONCLUSION

The aim of this thesis was to develop an website for customers to make a more user friendly menu in which the customer can look through and tab the menu on a tablet. And also to collect more accurate data on the ordered foods in a more efficient and effective way. The application is implemented on tablet devices, so the text size and design is adjustable to devices with large screen to make it more easier to read and look through the menu items. The Restaurant Management System helps to quickly & easily manage restaurant inventory information. The manager can easily get reports based on the date of profits and sales depending on the period which they want the report on.

ISSN: 2582-7219 | www.ijmrset.com | Impact Factor: 7.521| ESTD Year: 2018|

International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

REFERENCES

[1] AgingInPlace.org. (2019). Technology in Our Life Today and How It Has Changed | Updated for 2019 | AgingInPlace.org. [online] Available at: https://w ww.aginginplace.org/technology-in-our-life-todayand-how-it-haschanged.

[2] Cichy, R.F. & Wise, P. E. (1999). Food and Beverage Service, American Hotel & Lodging Association, Washington, DC.

[3] Prabu, K. (2013). Tablets replacing paper menus in restaurants – a long-term trend or too problematic? Tnooz, Retrieved from: http://www.tnooz.com/ Tabletsreplacing- papermenus-in-restaurants-Is-thistrend-going-to-work-or-backfire.

[4] Beldona, S., Buchanan, N., & Miller, B. L. (2014). Exploring the promise of e-tablet restaurant menus. International Journal of Contemporary Hospitality Management, 26(3), 367-382.

[5] A. Chowdhury, "Agile Vs Waterfall Methodology", lambdatest, 2018. [6] M. Rouse, "MySQL", TechTarget, 2018

INTERNATIONAL STANDARD SERIAL NUMBER INDIA

INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH

IN SCIENCE, ENGINEERING AND TECHNOLOGY

| Mobile No: +91-6381907438 | Whatsapp: +91-6381907438 | ijmrset@gmail.com |

www.ijmrset.com