**PIZZA ORDERING SYSTEM**

A Project Report Submitted in

Partial Fulfilment of the Requirements for

**FULL STACK JAVA DEVELOPER COURSE**

(2021)

By-

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**DECLARATION**

I, **Shilpa Awasthi** enrollment number: **EONFWL396952**, tainee of EduBridge for Full Stack Java Developer, 2021 batch, hereby declare that the work presented in this project titled **“Pizza Ordering Syatem”** under the supervision of Mr. Chittranjan Ghosh (Trainer of the course) is outcome of our own work, is bonafide, correct to the best of our knowledge and this work has been carried out taking care engineering ethics.

We have completely taken care in acknowledging the contribution of others in this academic work. We further declare that in case of any violation of intellectual property rights or copyrights found at any stage, we as the candidates will be solely responsible for the same.

Date: Signature:

Shilpa Awasthi (**EONFWL396952)**

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**ACKNOWLEDGEMENT**

The present work will remain incomplete unless we express our feelings of gratitude towards a person who delightfully co-operated with us in the process of this work.

First of all we would like to thank my corse trainer Mr.Chittranjan Ghosh for his encouragement and support during the course of my training. I extend my hearty and sincere gratitude to my project guide, for his valuable direction, suggestions and exquisite guidance with ever enthusiastic encouragement ever since the commencement of this project.

This project would not have taken shape, without the guidance provided by project coordinator, who helped in my project and resolved all the technical as well as other problems related to the project and, for always providing us with a helping hand whenever we faced any bottlenecks, inspire of being quite busy with their hectic schedules.

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**ABSTRACT**

The “Pizza Oredring system” Has been developed to override the problems prevalling in the participating manual system. This software is supported to eliminate and in some cases reduce the hardship faced by the existing system. Moreover this system is designed for the perticular need of the company to carry out operations in a smooth and effective manner. The website is reduced as much as possible to avoid errors while entering the data. No formal knowledge is needed for the user to use the system.

The main objective of the Pizza Ordering System is to manage the details of Payments, Customer, Coupons, Pizza and Order status. It manages all the information Payments, Customer, Coupons, Pizza and Order status. 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 Payments, Customer, Online Order, Coupons. It tracks all the details about the Coupons, Pizza, and Order Status. The purpose of Pizza Ordering System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their equipment, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

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**CHAPTER 1: INTRODUCTION**

**1.1 INTRODUCTION**

You must have ordered your pizzas on phone for home delivery. The process seems easy to use but at times there is miscommunication. As there is no visual menu shown during a phone call, the employees have to repeat a lot of things again and again to the customers. It’s a time consuming process which at times irritates customers. Also it takes a lot of time of the pizzeria staff. It would be much more comfortable for the customers to have an online pizza ordering system. It would be hassle free for users as they can select the pizzas they want and make payment for it. Also it will reduce the purchasing time for customers. Let us look at another benefit of using this system. Suppose I go to a pizzeria and make order. Even after ordering pizzas from their outlet, I have to wait at least 15 minutes for my order to be ready. Wouldn’t it be much more convenient if I ordered my pizzas before using a mobile app or an online system and then it will tell me the time by which I have to pick my order from their counter. It would be great for me as I don’t need to wait for my pizza. I need to reach there only when my pizza is ready. In a nutshell, we can say that improved and efficient services are provided to the customers by the inclusion of internet in your business. As a business point of view it gives you an edge over your competitors.

**1.2 AIM**

The main aim of this project Online Pizza Ordering System is to sell Pizza online order. In this project Online Pizza Ordering System customers can give order from any place and pay cash on delivery or online. This project provides information of customer details before making order. This project Online Pizza Ordering System is very helpful for customers in ordering custom pizzas. This project also gives option to the customer for online payment. This project provides a lot of features to manage in very well manner. In current system, we have integrated a single payment system Cash on delivery but in future we will enhance it with online payment system. When an order has been confirmed by a customer order processing begins. Throughout the order processing the order status will be updated and the customer will be notified. New orders will show up in a list for the employees in the kitchen.

**1.3 EXISTING SYSTEM**

Many Restaurants stores and maintain their day to day transactions manually. But some of them are having automation system which is helping them to store the data. But such restaurants are storing the information about the orders and the customer information. They don’t have facility to store the information of feedbacks and favorite orders of customers over some period of time. Restaurants are having standalone applications so at one time, they have the facility of many screens or many operations which is happening at one time. So they are storing them and then at last, the restaurant managers will able to see the data of last day.

**1.4 PROPOSED SYSTEM**

The proposed system helps in many ways. It helps to do billing very easily. Account maintenance also becomes easier. They can keep track of their purchases of inventories, staffs details, customer feedback, sales of foods, and account details etc. The software is provided with the facilities to find out the favorite food of the customers, and the seasonal foods, or customers to add or modify and delete their feedbacks and suggestions. It helps in managing data of different types of orders like party order, home delivery or the normal order. Managing data of daily customers, managing data of staffs, managing data of daily expenses. It eliminates the drawbacks of existing system and also includes some more features.

**1.5 FEASIBILITY STUDY**

A feasibility study is a high-level capsule version of the entire System analysis and Design Process. The study begins by classifying the problem definition. Feasibility is to determine if it’s worth doing. Once an acceptance problem definition has been generated, the analyst develops a logical model of the system. A search for alternatives is analyzed carefully. There are 3 parts in feasibility study.

1) Operational Feasibility

2) Technical Feasibility

3) Economical Feasibility

**1.5.1 OPERATIONAL FEASIBILITY**

Operational feasibility is the measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.The operational feasibility assessment focuses on the degree to which the proposed development projects fits in with the existing business environment and objectives with regard to development schedule, delivery date, corporate culture and existing business processes.To ensure success, desired operational outcomes must be imparted during design and development. These include such design-dependent parameters as reliability, maintainability, supportability, usability, producibility, disposability, sustainability, affordability and others. These parameters are required to be considered at the early stages of design if desired operational behaviours are to be realised. A system design and development requires appropriate and timely application of engineering and management efforts to meet the previously mentioned parameters. A system may serve its intended purpose most effectively when its technical and operating characteristics are engineered into the design. Therefore, operational feasibility is a critical aspect of systems engineering that needs to be an integral part of the early design phases.

**1.5.2 TECHNICAL FEASIBILITY**

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. The assessment is based on outline design of system requirements in terms of input, processes, output, fields, programs and procedures. This can be qualified in terms of volume of data, trends, frequency of updating inorder to give an introduction to the technical system. The application is the fact that it has been developed on windows XP platform and a high configuration of 1GB RAM on Intel Pentium Dual core processor. This is technically feasible .The technical feasibility assessment is focused on gaining an understanding of the present technical resources of the organization and their applicability to the expected needs of the proposed system. It is an evaluation of the hardware and software and how it meets the need of the proposed system.

**1.5.3 ECONOMICAL FEASIBILITY**

Establishing the cost-effectiveness of the proposed system i.e. if the benefits do not outweigh the costs then it is not worth going ahead. In the fast paced world today there is a great need of online social networking facilities. Thus the benefits of this project in the current scenario make it economically feasible. The purpose of the economic feasibility assessment is to determine the positive economic benefits to the organization that the proposed system will provide. It includes quantification and identification of all the benefits expected. This assessment typically involves a cost/benefits analysis.

**CHAPTER 2: SOFTWARE REQUIREMENTS SPECIFICATION**

**2.1 Hardware Requirements**

There are distinct hardware requirements for developing and running website.

**For developing the website:**

Processor: Intel Pentium IV or higher

RAM: 256 MB

Space on disk: minimum 250MB

**Hardware Requirements for running the application:**

Device: Smart Phone or Android Tablet with Android version 3.0 or higher

Minimum space to execute: 5.0MB

**2.2 Software Requirements**

Opereating System: Windows XP/ Windows

Language: HTML, CSS

Browser: Chrome

**CHAPTER 3: DESIGN & PLANNING**

**3.1 Software Development Life Cycle Model**

**3.1.1 WATERFALL MODEL**

The waterfall model was selected as the SDLC model due to the following reasons:

* Requirements were very well documented, clear and fixed.
* Technology was adequately understood.
* Simple and easy to understand and use.
* There were no ambiguous requirements.
* Easy to manage due to the rigidity of the model. Each phase has specific deliverables and a review process.
* Clearly defined stages.
* Well understood milestones.Easy to arrange tasks.

**CHAPTER 4: IMPLEMENTATION DETAILS**

In this Section we will do Analysis of Technologies to use for implementing the project.

**4.1: FRONT END**

**4.1.1 HTML**

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS). Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as <img /> and <input /> directly introduce content into the page. Other tags such as <p> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

**4.1.2 CSS**

Cascading Style Sheets (CSS) 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 information can be provided from various sources. These sources can be the web browser, the user and the author. The information from the author can be further classified into inline, media type, importance, selector specificity, rule order, inheritance and property definition. CSS style information can be in a separate document or it can be embedded into an HTML document. Multiple style sheets can be imported. Different styles can be applied depending on the output device being used; for example, the screen version can be quite different from the printed version, so that authors can tailor the presentation appropriately for each medium.The style sheet with the highest priority controls the content display. Declarations not set in the highest priority source are passed on to a source of lower priority, such as the user agent style. The process is called cascading.

One of the goals of CSS is to allow users greater control over presentation. Someone who finds red italic headings difficult to read may apply a different style sheet. Depending on the browser and the web site, a user may choose from various style sheets provided by the designers, or may remove all added styles and view the site using the browser's default styling, or may override just the red italic heading style without altering other attributes.

**CHAPTER 5: ADVANTAGES**

* It overcomes all the problems of existing system.
* Pizza can be order in way that is more convenient.
* Payment can be easily done using various online mode or cash on delivery (COD).
* It makes system very effective for ordering a pizza.

**CHAPTER 6: CONCLUSION**

The aim of proposed system is to develop a system of improving facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work. Our project is only a humble venture to satisfy the needs to manage their project work. Several 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 manager 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.

**CHAPTER 7: REFERENCES**

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