Mahavir Education Trust's

SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE Chembur, Mumbai - 400 088

UG Program in Computer Engineering

Mini Project Synopsis

Report 2022-2023

Mini Project Synopsis Report on

Foodzz Infinity

Submitted in partial fulfilment of the requirements of

the degree of Bachelor in Engineering

by

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Abstract

Our proposed system is an online food ordering system 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.

The payment can be made online or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and a password.

Chapter 1: Introduction

Food comes at one of the most basic needs known to human. People has to eat no matter whatever condition they live in. The items might be different, the place might vary, but all human is bound to eat on a daily basis. That's why, the food industry keeps on growing as per the growth of population. The food industry has always been on of the largest industries of all with a huge number of members on it. The number of restaurants kept on rising day by day. Every single corner of the cities now has restaurants, food carts etc. all serving food to people. So, the basic idea of consuming food from restaurants has always been the same. Customers go to the restaurants, order their food, consume it and then pays the bill. There were some changes in this chronology of consuming food at a restaurant like self-service where the customer has to take their own food by themselves, not by any waiters, then there was the use of 'pay first' system to improve convenience for the restaurant owners. But all these were slight improvements that did not make any massive changes to this industry.

Therefore, we aim at creating a platform where anyone can get all fast food brands together hassle free which would help in saving phone storage and anybody can access it anytime and anywhere. This way, it would help youngsters and it also benefits them fiscally.

In short, we wish to create an website that serves as a staple for every individual who wishes to place their order for any food brands without paying any extra fee and just at a click.

Chapter 2: Literature Review

Sr. No.	Author/Title/Year	Workdone/Algorithm/Concept/ Idea presented in the paper	Remarks
1	**Zomato** Food delivery platform	A data enabled and technology driven application for ordering food from different companies at once and also making table reservations.	To achieve a win-win situation for youth`s and companies in food industry.
2	**Swiggy** Food delivery platform	A food delivery platform that allows ordering food and getting instant item delivery.	Providing a platform for food delivery and instant item delivery.

Chapter 3: Problem Definition and Objectives

3.1 Problem Definition (Statement)

The labour rates are increasing steadily year on year thus making it difficult to find employees

The food industry is highly labour intensive and the biggest expense in the food industry is the cost of employing the right kind of people to do the work

One of the ways to reduce this expense is to use modern technology to replace some of the jobs done by human beings and make machines do the work

Here we propose an "Online Food Ordering System – Foodzz Infinity" that has been designed for Fast Food restaurant, Take-Out or College Cafeterias. The system can also be used in any food delivery industry. This simplifies the process of food ordering for both the customer and the restaurant, as the entire process of taking orders is automated.

3.2 Objectives

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

- People can successfully order the food using the proposed system.
- There will be a lesser requirement of staff at the back counter.
- The system will help in reduction of labour cost involved and also reduces the space required to set up cafeterias in the restricted area.
- As it is an automated system it is less probable to make any mistakes.

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

3.3 Scope

This order food online system project aimed at developing an online food ordering system that can be used in small places, and medium cities firstly and then on a large scale. It is developed to help restaurants to simplify their daily operational and managerial task as well as improve the dining experience of customers. And also helps restaurants develop healthy customer relationships by providing good services. The system enables staff to let update and make changes to their food and beverage list information based on the orders placed and the orders completed.

3.4 Feasibility Study

The feasibility study is an important phase during the development of any project, its goal is to determine whether the project is doable or not. My capstone project is about building a web application, which purpose is to help people in choosing their favourite food from nearby restaurants, and giving the ability to restaurant managers to better communicate with their customers.

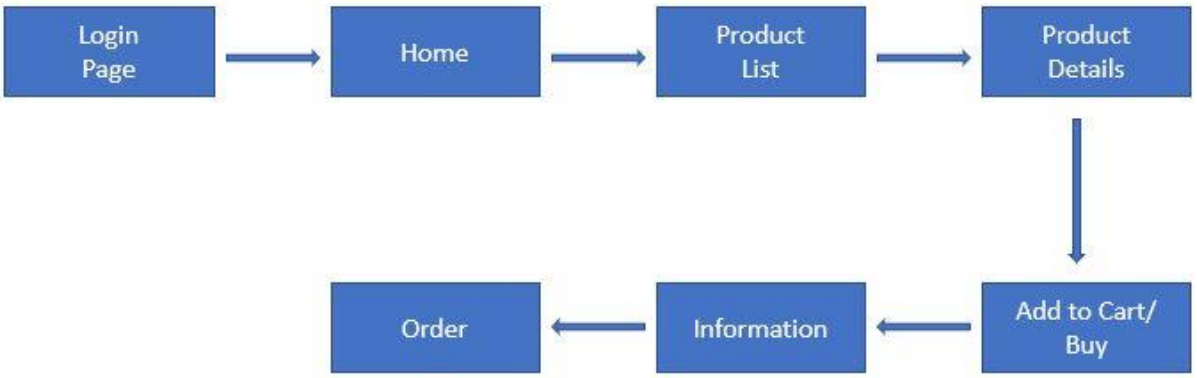
First, the technical feasibility is to understand if it is possible to complete the project with the current technologies. This application is going to use many programming languages and frameworks in order to ensure a good user experience for the end user, as well as adopting good coding practices for the developer. The structure of the application will consist of a backend and a frontend. The backend will be implemented using NodeJs, its purpose is to handle database queries, authentication, and to serve an API (application programming interface). The frontend should be completed using HTML, CSS, and javascript. On top of javascript, I will use vuejs framework, which is going to make the pages more reactive and help in building a single page application (SPA).

Second, the temporal feasibility is crucial to make sure that it is possible to complete the project on time. There would be a development phase in which I would have to code the application with the chosen tools. Also, there will be a learning phase, during which, I will have to read about the technologies that I would be using for this project. Since I am already familiar with some of these technologies, thanks to the courses I have completed and to my previous internship experience, I will only focus on the ones I do not know.

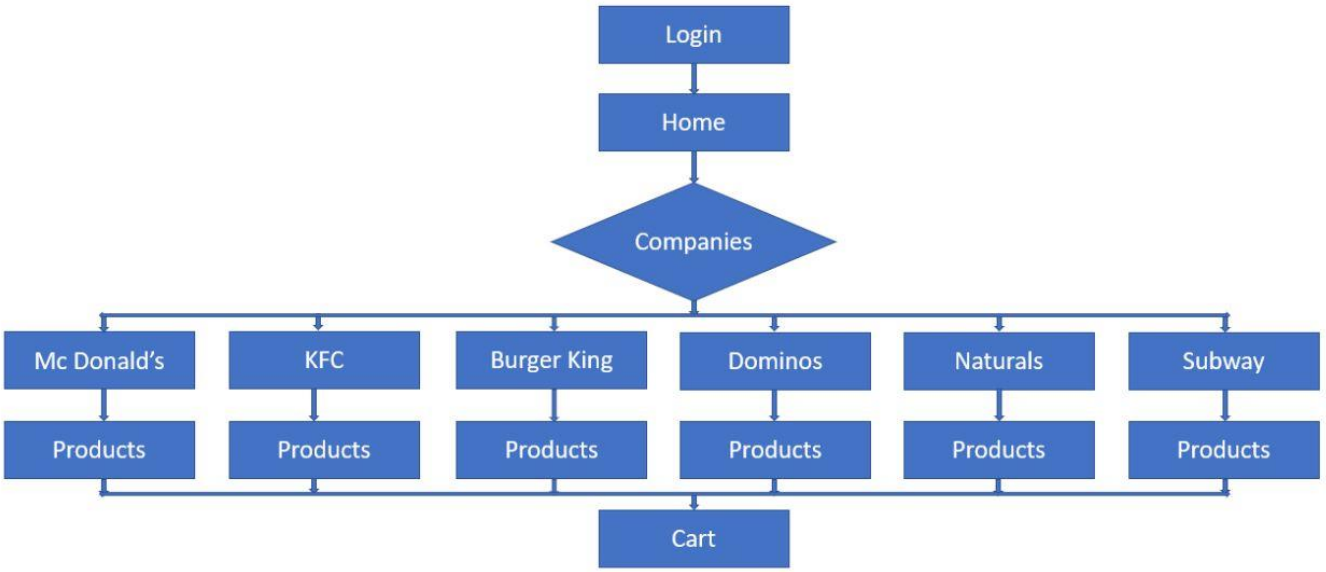
Third, the economic feasibility is essential to know the budget needed for the completion of the application, and how much income it would be able to generate once released. The necessary budget for this project is low, the technologies needed for this project are free to use. Regarding the IDE, I will be using WebStorm, which is excellent for javascript development, it is a paid software but free for students. This application can be monetized using different plans. The first one consists of displaying advertisements to the web application by using services such as google ad-sense .

Chapter 4: Proposed Methodology

4.1 Block diagram



4.2 Flow Chart



4.3 Facilities required for proposed work

Hardware:

- 11 intel i5 1135G7 processor @ 2.40 GHz
- 8GB DDR4 RAM
- 512GB SSD
- 62-bit x64-based processor

Laptop/Computer:

- Code Editors like Visual Studios Codes.
- Computer languages like HTML, CSS, JavaScript.

Chapter 5: Summary

Our Online food ordering website gives restaurants complete control over their services. It is made user friendly and helpful especially for malls. Our website contains of login/sign-up page , product detail page and cart. In addition, the analytics dashboards equip you with the valuable insights you need to enhance your services.

Our website makes the ordering process faster and easier. It provides an efficient system for order and customer management. It presents a hassle-free and more cost-effective option. An online presence of your restaurant can help it rank better and reach out to newer audiences. Since, our technology is growing day by day , we have made this website keeping in mind of youth generation.

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