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VIRTUAL BASKET FOR ONLINE FOOD ORDERING SYSTEM

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Abstract: The major objective of the Online Food Ordering System is to keep track of Items Category, Food, Delivery Address, Order, and Shopping Cart information. It keeps track of Items Category, Customer and Shopping Cart information. Because the project is entirely constructed at the administrative level, only the administrator have access. The goal of the project is to create an application software that will reduce the amount of time spent manually managing foodCategory, Customer, and Delivery Address. It keeps track of all delivery addresses, order details, and cart information.

It is a web application in which Vue JS will be used . The database connectivity will be done using Firebase. It will mainly contain three modules: Admin, User and Payment. The admin will contain the modules like add-food module, manage profile and view-orders. The user module will contain modules like search, cart, my Orders and edit-profile. The admin will be able to add the foods and view the users in the application .The outcome of the project will be a web application which will enable the customers to choose favorite food of their choice. Admin can know all the users who are using the web application using clusters. It will also help the admin to keep track of the number of orders ordered by the users for a particular item[6].

I. INTRODUCTION :

The Online food ordering system is developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardship faced by this existing system. Also provides error messages while entering invalid data.No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user friendly.

Every organization, whether big or small ,has challenges to overcome and manage the information of Category , Food item ,Order, Delivery, Customer. This system have different food item needs , and customer management systems that are adapted to managerial requirements. Online food ordering is designed to assist in strategic planning and will help you ensure that organisation is equipped with the right level of information and details for future goals . Also, for those busy executives who are always on the go ,this system come with remote access features. The main objective is to manage the details of Food item, Category, Cart, Customer . It manages all the information about Food item, Delivery, Cart. It tracks all the details about the Cart, Order, Customer. Admin module manages the information of Food items like editing, adding and updating of records is improved which results in proper resource management of food item data and manage the information of Order integration of all records of Customers[3].

II. LITERATURE SURVEY :

S No	Author and Paper title	Details of Publication	Summary of the Paper
1	**Authors:** Ramli, Noorazlin, et al **Title of Paper:** "Intention to use Online Food Ordering Services Among Universities Students during COVID-19 Pandemic".	International Journal of Academic research in Business and Social Science 11.13(2021):394-405 Published by: IEEE	Electronic food ordering is user-friendly, and they can get sufficient information to order.[2]
2	**Authors:** Das, Jyotishman **Title of Paper:** CONSUMER PERCEPTION TOWARDS 'ONLINE FOOD ORDERING AND DELIVERY SERVICES'	Journal of Management 5.5 (2018) Published by: IEEE	Online food delivery service, consumer perception, consumer preferences, current customer feedback, expectations of consumers.[1]

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3	**Authors:** **Herikson R, and P .S .Kurniati** **Title of Paper:** **Web based ordering information system on food store.**	IOP conference series : Materials science and engineering. Vol.662.No.2.IOP publishing,2019.	The paper focuses on factors that are responsible for the growing popularity of online booking and ordering of food in India[4].

III IMPLEMENTATION

The application's responsiveness on any screen was a major need for the system. The system's user interface is developed using the Vue js and bootstrap front-end framework in order to achieve this goal. This allows the application's UI to stick to any screen, whether it's a smartphone, tablet, PC, laptop, or desktop. It's also responsive to how close the gadget is to the user. Whether the device is held horizontally or vertically, the application interface instantly adjusts to the device's size. The elements of the page are also reorganized by Bootstrap dependent on the screen size.The project mainly consists of 3 modules: admin , user , payment. The Admin will be maintaining the data of food items and user details. Users can register and log in to the application. Users can add and order the required food items. Users can also pay amounts using PayPal. The architecture of the project describes the flow of data. The below figure shows the architecture of the system. It is a well-defined and well-specified software application architecture that organizes applications into logical and physical computing.

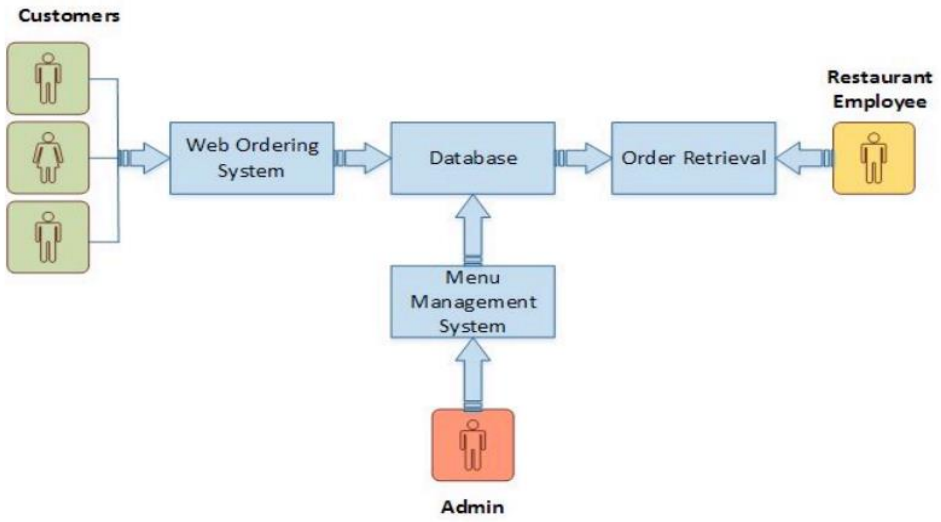

Fig 1: Architectural Design

i . ADMIN : Admin of the system can login through his/her email id and password and then can able to see the daily orders.

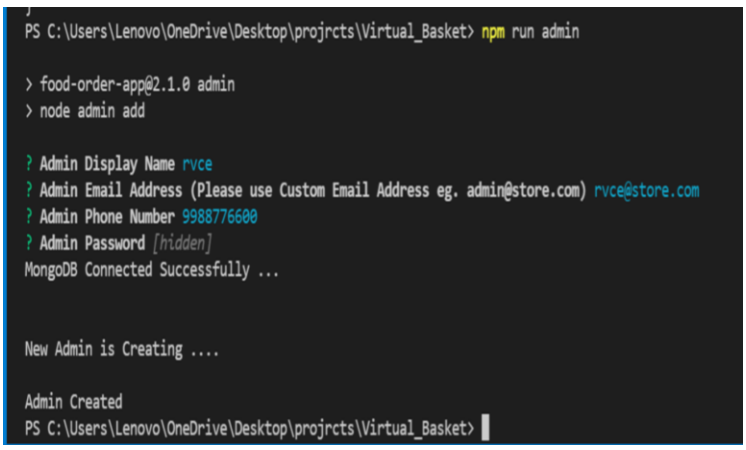

Fig 2: Admin Login

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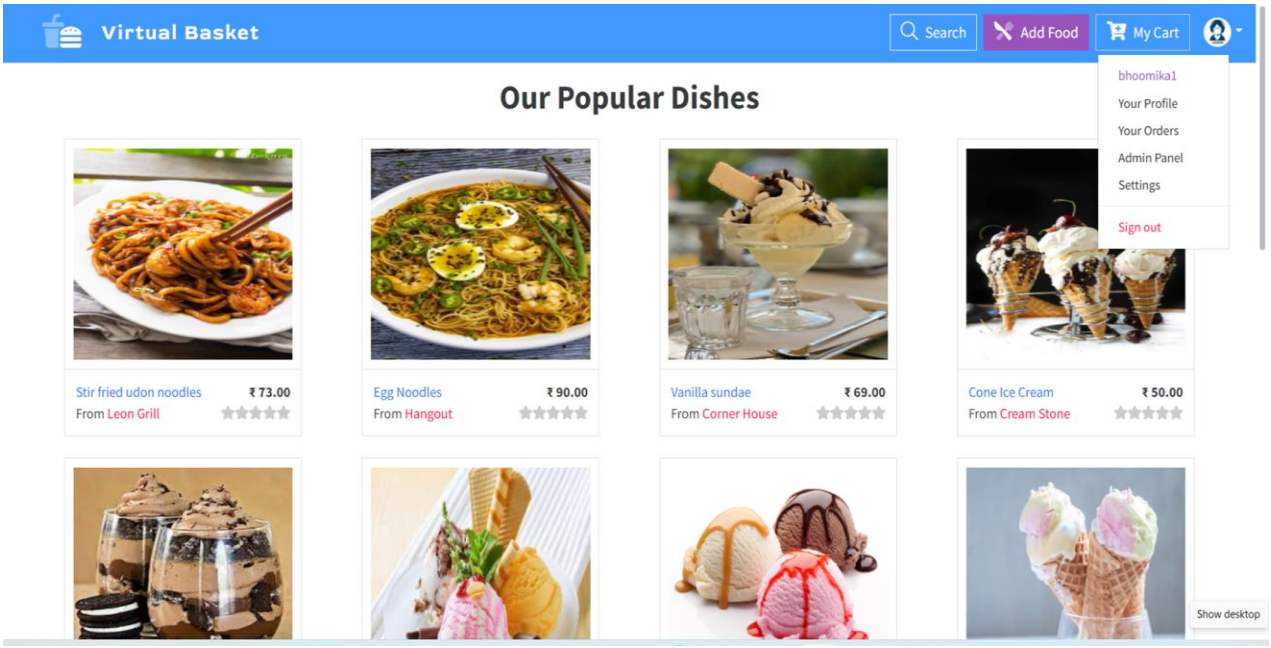

Fig 3: Admin Module

ii. USER : Customer can log in through email id and password. And can able to add food items to cart with proceeding to payment options.

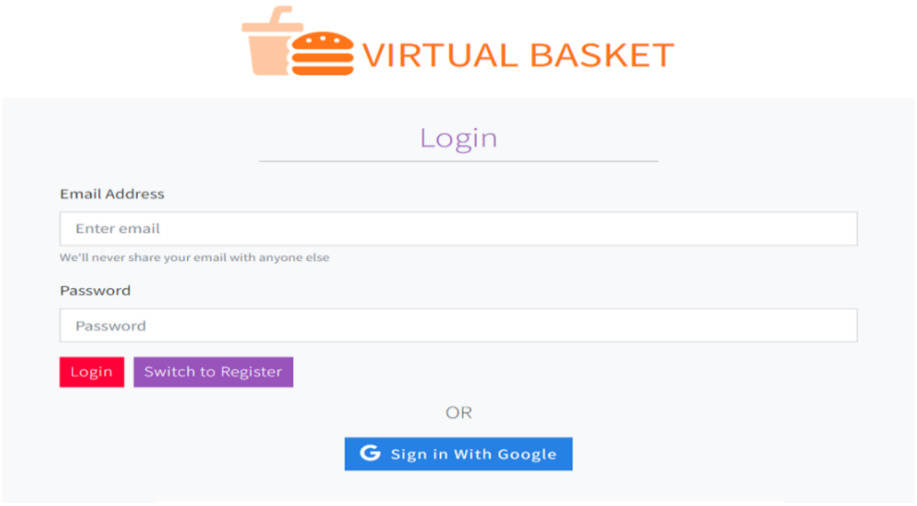

Fig 4:User Login

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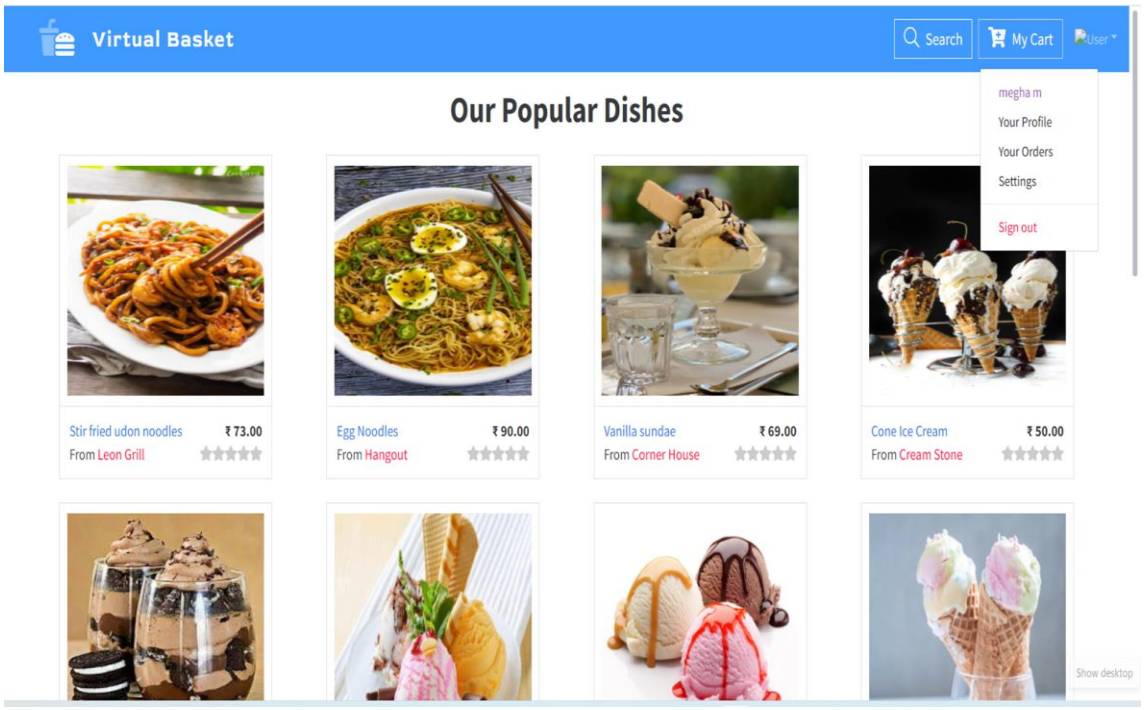

Fig 5: User Module

IV RESULT AND CONCLUSION

This project is a web application for restaurant. For developing the application, a systematic approach has been taken into account. Extreme Programming method of waterfall model is applied to develop the system. The application is developed using javascript framework.

The project successfully implemented a working complex prototype of an online food ordering system. The implemented prototype software is fully tested to demonstrate the quality and performance of the system. This report also documented all the relevant research details. In summary, the project is satisfied its objectives and fulfilled its purpose. The application will meet most of the requirements of online food ordering and can accept online payment.

REFERENCES

[1] Das, Jyotishman. "Consumer perception towards' online food ordering and delivery services': An empirical study." Journal of Management 5.5 (2018).
[2] Ramli, Noor Azlin, et al. "Intention to Use Online Food Ordering Services Among Universities Students During COVID-19 Pandemic." International Journal of Academic Research in Business and Social Sciences 11.13 (2021): 394-405.