Restaurant Aggregator and Food delivery Web Application

MINI – PROJECT – I

SYNOPSIS

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DECLARATION

We hereby declare that the work which is being presented int the project synopsis "**Restaurant Aggregator and Food delivery Web Application**" in partial fulfilment of the requirement for project is an authentic record of our work carried under the supervision of **Mr. Bhanu Kapoor, Technical Trainer, GLA University, Mathura** during session ***2022-23***.

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ACKNOWLEDGEMENT

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We would also like to thanks all the faculty members of the department of Computer Science & Application for their kind guidance and cooperation.

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INTRODUCTION

It is known globally that, in today's market, it is extremely difficult to start a new small-scale business and live-through the competition from the well-established and settled owners. In fast paced time of today, when everyone is squeezed for time, the majority of people are finicky when it comes to placing a food order. The customers of today are not only attracted because placing an order online is very convenient but also because they have visibility into the items offered, price and extremely simplified navigation for the order.

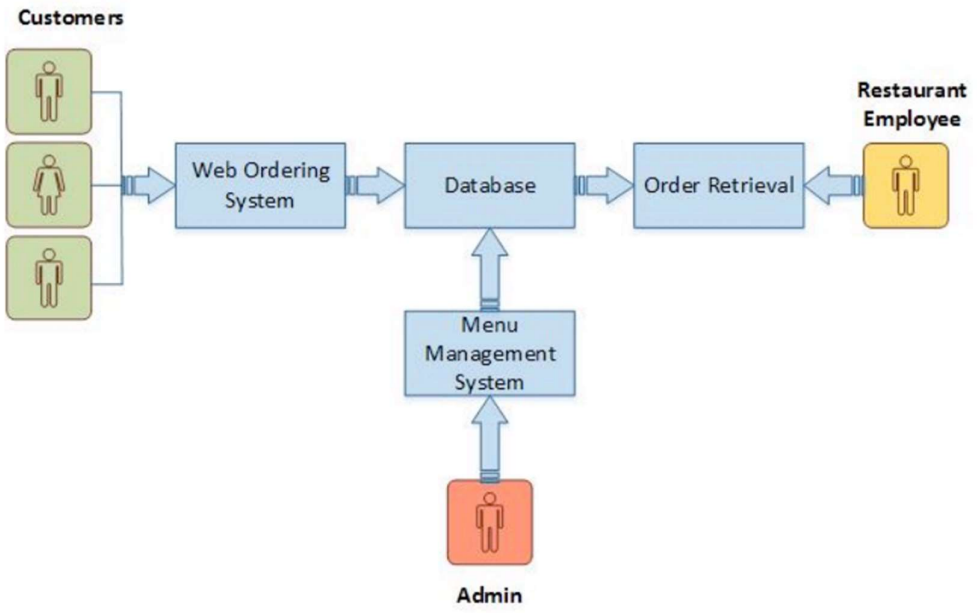
Online ordering system that we proposing here, greatly simplifies the ordering process for both the customer and the restaurant. System presents an interactive and up-to-date menu with all available options in an easy to use manner. Customer can choose one or more items to place an order which will land in the Cart. Customer can view all the order details in the cart before checking out. At the end, customer gets order confirmation details. Once the order is placed it is entered in the database and retrieved in pretty much real time. This allows Restaurant Employees to quickly go through the orders as they are received and process all orders efficiently and effectively with minimal delays and confusion.

REQUIREMENTS

- SOFTWARE REQ.
  - Languages used: JavaScript, HTML, CSS
  - Database: Firebase
  - Tools: VS Code, JetBrains WebStorm, Chrome
  - Version Control: Git

- HARDWARE REQ.
  - Processor: i5 or above.
  - Operating System: Windows
  - Ram: 8GB or above.
  - Hardware Device: Computer
  - Hard Disk: 32GB or above.

PROJECT DESCRIPTION



The structure of the system can be divided into 3 main logical components:

- **Web Ordering System-** provides the functionality for customers to place their order and supply necessary details.

- **Menu Management-allows** the restaurant to control what can be ordered by the customers.

- **Order Retrieval System-**This is a final logical Component. Allows restaurant to keep track of all orders placed.

WORKING

Product Function: The Online Food Order System application would have the following basic functions: Web

Ordering System Module: This module provides the functionality for customers to place their order and supply necessary details. Users of the system, namely restaurant customers, must be provided the following functionality:

- Create an account.
- Manage their account.
- Log in to the system.
- Navigate the restaurant's menu
- Select an item from the menu.
- Add an item to their current order.
- Review their current order.
- Remove an item/remove all items from their current order.
- Provide payment details.
- Place an order.
- Receive confirmation in the form of an order number.
- View order placed.

IMPLEMENTATION

Frontend:

For the frontend we are using HTML and CSS, with some Bootstrap. To make the frontend more reactive and user interactive we will use JavaScript.

Backend:

In the backend we are using firebase and MySQL for the database.

Tools Description:

HTML: Hyper-Text-Markup-Language is used for structuring web pages over the internet. HTML is the **language in which most websites are written**. HTML is used to create pages and make them functional.

CSS: Cascading-Style-Sheet is a styling language used to style and basically define **how** the content will appear on the website.

JavaScript: JavaScript is a scripting or programming language which is now used extensively to design modern web applications and website, it allows the developer to write application which modify themselves according to each user

and its data, this made web applications much more accessible and suitable for many purposes. Many Frameworks of JavaScript such as React, Node, Next etc. are used for different type of requirements and developments.

MySQL: is an Open Source Structured-Query-Language database management system. It is one of the most popular choices relational database projects, due to its efficiency and speed.

REFERENCES

Books:

a. Black Book HTML5, CSS, JS
b. HTML & CSS: Design and Build Web Sites
   Book by Jon Duckett
c. JavaScript and JQuery: Interactive Front-End Web Development
   Book by Jon Duckett

Websites:

a. MDN Web Docs (link)
b. W3Schools (link)
c. GeeksForGeeks (link)
d. CSSTricks (link)

Faculty Guidelines:

Mr. Bhanu Kapoor (Technical Trainer, GLA University)

GitHub Repository Link:

https://github.com/Abhishek109062/Mini-Project