

A Mini Project Report on

FOOD ORDERING SYSTEM

S.E. - I.T Engineering

Submitted By

VAISHNAVI BHALERAO - 21204007

MAYURESH KALKAR - 21204010

SAHIL JADHAV - 21204013

Under The Guidance Of

Prof. Sonal Jain



**DEPARTMENT OF INFORMATION
TECHNOLOGY**

A.P.SHAH INSTITUTE OF TECHNOLOGY
G.B. Road, Kasarvadavali, Thane (W), Mumbai-400615
UNIVERSITY OF MUMBAI

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CERTIFICATE

This to certify that the Mini Project report on **FOOD ORDERING SYSTEM** has been submitted by **VAISHNAVI BHALERAO (21204007)**, **MAYURESH KALKAR (21204010)** and **SAHIL JADHAV (21204013)** who are a Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2020-2021** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

Ms. SONAL JAIN
Guide

Prof. Kiran Deshpande
Head Department of Information Technology

Dr. Uttam D.Kolekar
Principal

External Examiner(s)

- 1.
- 2.

Place : A.P.Shah Institute of Technology, Thane

Date:

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TABLE OF CONTENTS

1. Introduction

1.1. Purpose

1.2. Objectives

1.3. Scope

2. Problem Definition

3. Proposed System

3.1 Features and Functionality

4. Project Outcomes

5. Project Output

6. Project Design

7. Flow Chart

8. Software Requirements

9. Hardware Requirements

10. Project Scheduling

11. Conclusion

1.Introduction:

Online ordering system that I am 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 .

1.1 Purpose:

The main purpose of an online ordering system is to provide customers for a way to place an order at a restaurant over the internet. The main reason is that it benefits both the customer and the business. With a website or mobile app, customers can easily browse all the dishes the restaurant has available, customize dishes to their requirements and place an order. It can also save their favourite orders allowing them to easily re-order that in the future. From the restaurant's perspective, they no longer spend time taking the customer's order, stop worrying about communication errors and streamline their order management workflow.

1.2 Objectives:

- To develop a system that will allow our user to place order effortlessly with generic images of the meal
- To serve best service to our users.
- Design a system that can process multiple orders at a time.
- Minimize human efforts and time of ordering.

1.3 Scope

The Scope of the project are as follows:

Food Ordering system can sale Food product, preferred brands, kitchen needs, essential restaurant supplies and more, through this online, one stop Food store. It provides you with a convenient way to sale from your Food shopping app. You can use this as one big supermarket app to sale product of your store. This app makes easy for user to buy product from store with easy steps and store can get easy order. Implementation of API for paying the orders. Keeping a track on the orders by implementing a tracking system.

2.Problem Definition:

The Online Food Ordering System deals with placing orders of food from various restaurants. This system involves the following functionalities:

1.Collecting data:

- The data is collected from the customer through the application.

2.Verification of data:

- The data collected (food ordered) from the customer is cross verified with the specific restaurant for availability.

3.Order confirmation:

- The order is confirmed by sending a confirmation text to the customer.

4.Live tracker:

- The live tracker will help the customer track current order status.

5. Customer analytics:

- Based on orders placed in various regions, suggestions of similar restaurants will be given.

6. Customer feedback:

- The customers will be able to rate their experiences, recommend changes and improvements to the current system.

7. Modes of payment:

- Multiple modes of payment will be provided while ensuring safe and secure online transactions.

In this system we receive orders of food from customers, confirm them with restraints, provide live tracking facilities and ensure safe money transactions. The system also provides the customer the facility of rating their experience and suggesting improvements.

3.Proposed System

This system is a bunch of benefits from various point of views. As this online application enables the end users to register to the system online, select the food items of their choice from the menu list, and order food online. Also, the payment can be made through online mode or at the time of home delivery depending upon the customer's choice and convenience. The selection made by the customers will be available to the hotel reception or to the person handling work assignment. Now this same person will assign the orders to the specialist chef to be completed within a fixed duration of time. As soon as the chef prepares the food, the later person forwards the parcels to the delivery persons assigned with the location and customer identity of the customer along with the bill status. With this application the workload of the waiter in the hotels are reduced or in some situations the work is abolished. One of the various benefits of this is system is that if there is rush or a huge crowd present in the restaurant then in that case sometimes unavailability of tables cut downs the restaurants customer. Also, there will be chances that the waiters are unavailable as they are busy in handling others, so the customer can directly order the food to the chef online by using this application, by checking the seat availability in the restaurant. This system allows the staff to serve customer within less time as compared to the manual system.

3.1 Features and Functionality

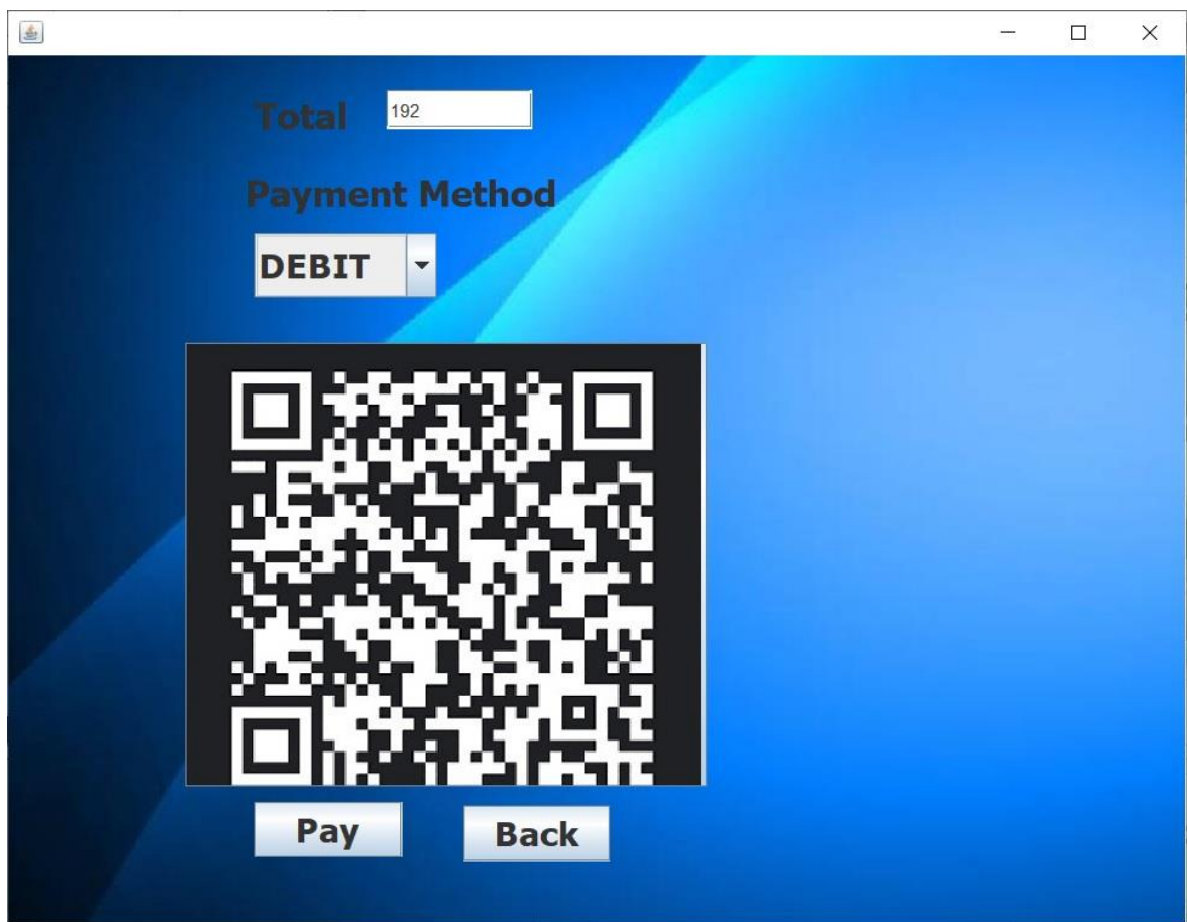
This module provides the functionality for customers to place their order and supply necessary details. Users of the system, namely restaurant customers, must be provided the following functionality:

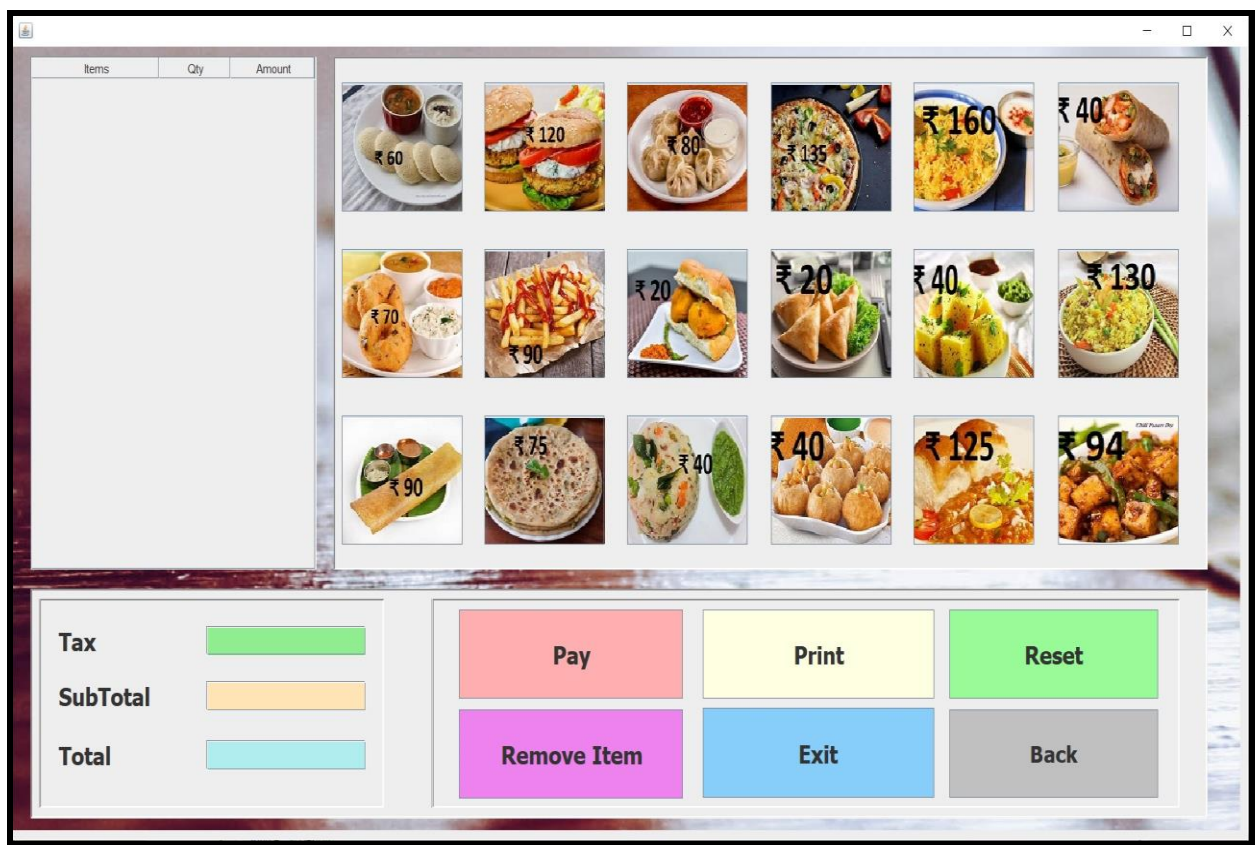
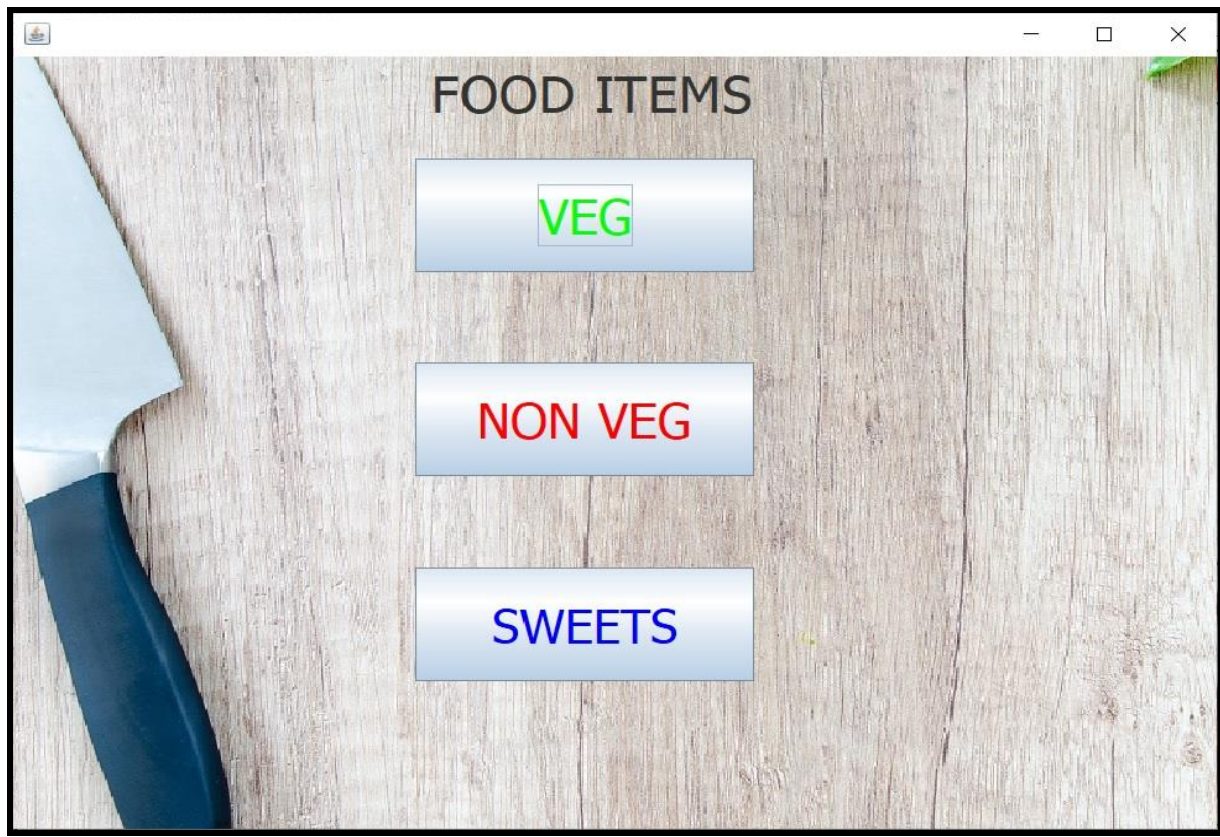
- Create an account.
- Manage their account.
- Log in to the system.
- Navigate the restaurant's menu.
- Select an item from the menu.
- Add an item to their current order.
- Review their current order.
- Remove an item/remove all items from their current order.
- Provide payment details.
- Place an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

4. Project Outcomes:

- Makes the ordering process easier.
- Efficient customer and order management.
- Monitor your expenses incurred in real-time.
- Free and cheap marketing.
- Better customers data.
- The convenience of mobile ordering.
- Stay ahead of the competition.
- Grow your bottom line.
- User will be able to login.
- If the user doesn't have an account, then he/she can also sign-in in our account.
- The Customer can select , remove and edit his favorite food items.
- The Customer can Pay and Print the bill.
- Customer's data will be stored in database.

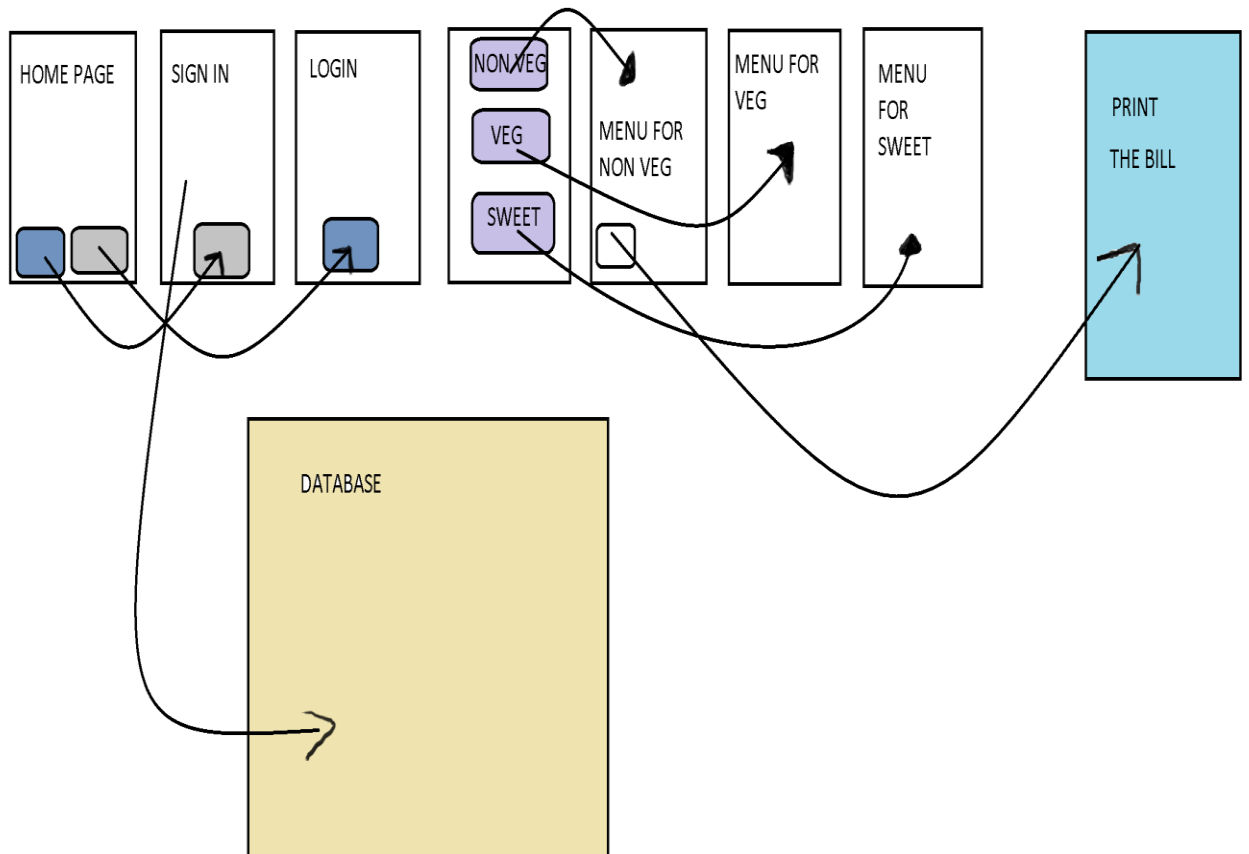
5.Project Output





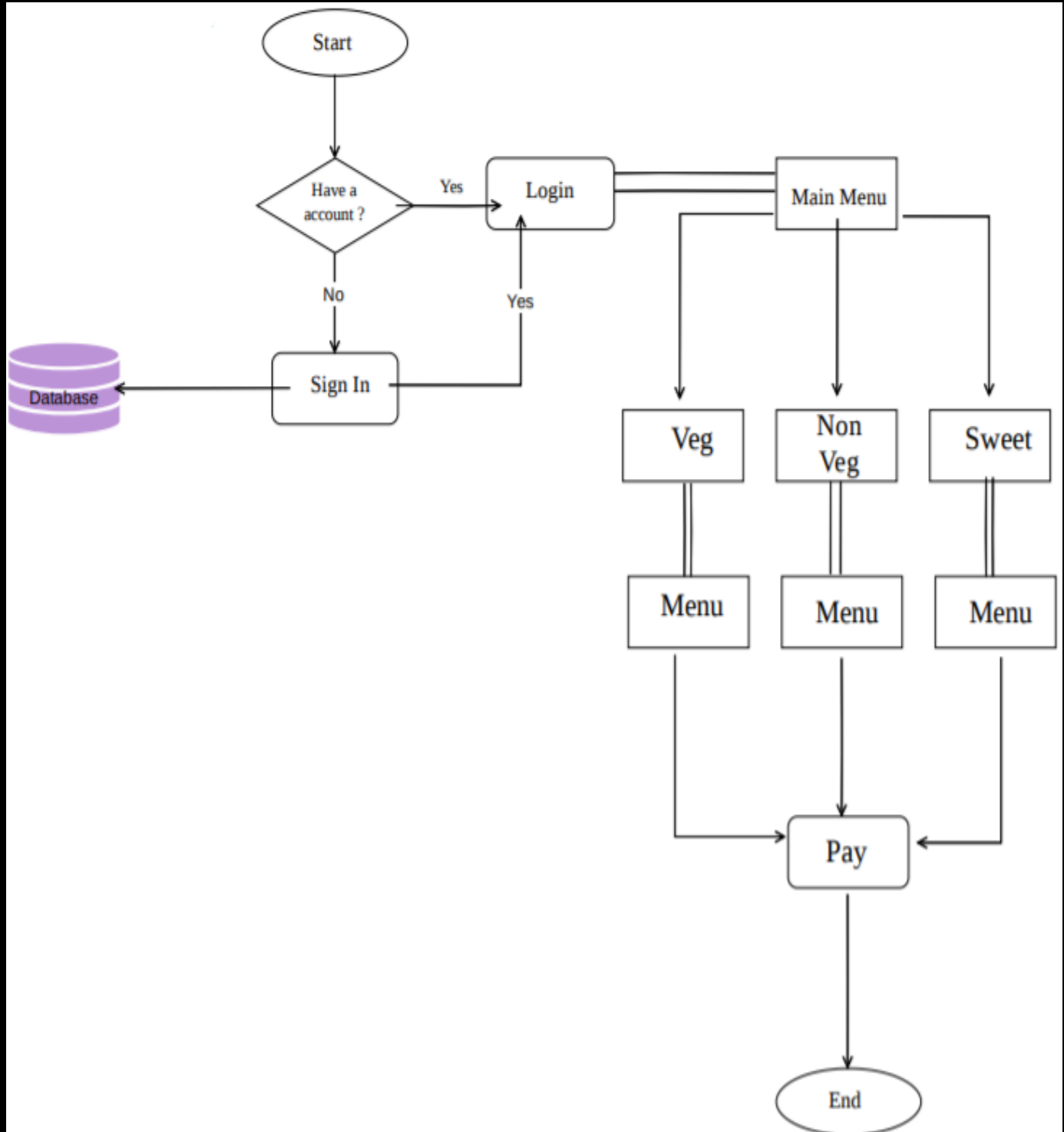
6. Project Design

Basic Design



7. Flow Chart

FOOD ORDERING SYSTEM



8. Software Requirements:

- **Language** : Java 16.0.2
- **Database** : XAMPP / PHPMYADMIN
- **IDE** : Eclipse, Vscode
- **Operating System** : Windows 10, Windows 11
- **Software Development Kit** : Java JDK 16.0.2 windows , JavaFX – SDK – 17.0.0.1

9. Hardware Requirements :

- **Ram:-** 200 Mb and above
- **Hard Disk:** - 20GB
- **Processor :-** intel core 7

10. Project Scheduling

Sr.no	Group member	Time duration	Work to be done
1.	Vaishnavi Bhalerao	1st, 2nd week of December	Implementing Sign -in and login in the project Database Connectivity PPT
2.	Mayuresh Kalker	3rd week of December	Implementing main menu . Pay ,print , total. GUI of the project
3.	Sahil Jadhav	1st, 2nd week of January	Report , PPT

11.Conclusion:

In conclusion an online food ordering system is proposed which is useful in small family run restaurants as well as in places like college cafeteria, etc. This project can later be expanded on a larger scale. Online Food Ordering system is done to help and solve one of the important problems of customer. Because Large number of customer can use the internet and phone. Various issues related to Mess/Tiffin Service will be solved by these system. Thus, implementation of Online Food Ordering system is done to help and solve one of the important problems of customer. It helps customer in making order easily and gives information needed in making order to customer place. The Food website application made for restaurant massive one help to receiving orders.

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