



**VELLORE INSTITUTE OF TECHNOLOGY,  
CHENNAI  
SCHOOL OF COMPUTER SCIENCE AND  
ENGINEERING**

**SOFTWARE ENGINEERING  
BCSE301P**

**SOFTWARE PROJECT  
FOOD ORDERING SYSTEM**

**MEMBERS:**

**21BCE5789 - YOG KUMAR**

**21BCE6005 – PRITHA MAJEE**

**SUBMITTED TO:**

**PROFESSOR PRAVEEN JOE I R**



## Certificate of Merit

This is to certify that the following team of students of B.Tech (CSE) studying in the School of Computer Science and Engineering, VIT, Chennai Campus have successfully completed the project work entitled

**Software Project: Food Ordering Website.**

between 25<sup>th</sup> April 2023 and 5<sup>th</sup> July 2023.

The work was found commendable and good.

Team Members:

1. (21BCE5789) Yog Kumar
2. (21BCE6005) Pritha Majee

Duly Examined and Certified by

INDEX	
INTRODUCTION	
PROJECT SCOPE	
PURPOSE	
PROBLEM STATEMENT	
SYSTEM REQUIREMENT	
DESIGN SPECIFICATION	
UML DIAGRAMS	
SCREENSHOTS AND CODE	
TESTING	
CONCLUSION	

## **INTRODUCTION:**

Our Food Ordering System is a user-friendly platform that simplifies the way you order food. It eliminates the need for long queues and phone calls by connecting you with the wide variety of food on your favorite restaurant's menu. With just a few clicks, you can browse menus, see your cart and checkout on the same page itself. The system offers customization options, caters to dietary requirements, and provides both delivery and pick-up options. Secure payment methods ensure a seamless transaction process. Experience the convenience, explore the menu, and enjoy a delightful culinary journey with our Food Ordering System.

## **PROJECT SCOPE:**

Introduction: The Food Delivery Website Software project aims to develop a user-friendly and efficient online platform that connects restaurants and customers for ordering and delivering food. The software will provide a seamless experience for users to browse menus, place orders, track deliveries, and make payments.

### Objectives:

- Develop a robust and scalable food delivery website software.
- Enable restaurant admin to create profiles, manage menus, and update availability.
- Allow customers to browse restaurant listings, view menus, place orders, and make payments.
- Provide administrative tools for managing users, payments, and order analytics.
- Ensure a responsive and intuitive user interface for both desktop and mobile devices.
- Ensure data security and privacy throughout the system.

Features and Functionalities: The food delivery website software will include the following core features and functionalities:

### User Management:

- User registration and login for customers, restaurant owners, and delivery personnel.
- Profile management for users to update personal information, preferences, and delivery addresses.
- User roles and permissions management.

### Restaurant Management:

- Restaurant registration and verification process.
- Menu management for adding, editing, and removing food items with details such as prices, descriptions, and images.
- Availability management to reflect restaurant operating hours and special offers.
- Integration with restaurant POS systems, if applicable.

### Ordering and Payment:

- View restaurant menus with item descriptions, prices, and available options.
- Add items to the cart and adjust quantities as needed.

#### Administrative Tools:

- Dashboard for administrators to manage users, orders, and payments.
- Customer support system to handle inquiries, feedback, and complaints.

#### Exclusions:

The following items are excluded from the scope of this project:

- Development of native mobile applications.
- Integration with third-party delivery services.
- Development of a customer loyalty program.
- POS system development for restaurants.

#### Constraints and Assumptions:

- The software will be developed using web technologies and hosted on a suitable server infrastructure.
- The website will be responsive and optimized for major web browsers and mobile devices.
- The software will comply with relevant data protection and privacy regulations.
- The project assumes collaboration with restaurant owner for menu content, pricing, and availability updates.

#### Deliverables:

- Fully functional food delivery website software.
- Source code and documentation.

## **PURPOSE:**

The purpose of this project is to create a website for a startup food distributing company. The website will be a way for the customers to order their food and also access the other facilities the company could provide through the website.

The website should be able to make it easy for the customers to choose their preferences and make it easy for them to order. The database will store the orders and it should be easy for the client to confirm the orders.

This project will keep in mind the client's requirements and keep accepting them until the end of the project to help improve the project to its utmost potential.

## **Some Salient Features of This Software :**

The website would allow the client to extend their startup base beyond the local area. By making menus and ordering systems online, attracting customers from a wider geographical range can increase potential market and revenue.

The website enables customers to browse your menu, place orders, and make payments conveniently from their own devices. This 24/7 accessibility eliminates the need for customers to physically visit your location or call in their orders, enhancing their overall experience and making it more convenient for them to engage with your business.

Detailed information about dishes, including ingredients, nutritional information, and customer reviews will be provided on the website. The transparency helps in building trust with the customer and also helps them to make informed decisions.

Integrating an order management system in the website simplifies the process of handling orders. Orders are received directly into a centralized system, eliminating the need for manual order taking and reducing the chances of errors. The website can provide valuable data on customer behavior, preferences and ordering patterns. Analyzing the data will give insights into customer trends, identify popular dishes, and make data-driven decisions to optimize the menu, pricing and marketing strategies.

## **PROBLEM STATEMENT**

Input:

Food Choices

Quantity Required

Delivery location

Time and Date

Feedback

Admin Login Details

Updating Menu

Updating Admin Details

Output:

The choices and delivery location will be passed on to the backend, the seller shall be able to see them and use the data accordingly to deliver the food to the desired client at the latest time provided by him/her. The feedback provided will be displayed in the website helping others to make choices.

The admin should be able to manage the frontend with the proper utilization of the backend. Any change done by the admin should be reflected effectively.

Software Requirement:

Programming Language-HTML, CSS, Javascript, MSQl, PHP

Operating System-Linux/Windows/Any operating system

Frontend Tool- HTML, CSS, Javascript

Backend Tool- PHP, MySql

Other Software Tool- Word, Canva, onlinegantt chart maker, XAMPP

## **SYSTEM REQUIREMENTS:**

The system requirements for this website based are:

**Operating System:** The software is compatible with any operating system running on the server i.e, Windows, Linux, or macOS.

**Web Server:** The software is compatible with the web servers using Apache

**Database:** The website software requires a database to store and retrieve data, and is compatible with the database management software MySQL

**Programming language:** Browser Platform should support PHP

**Memory:** The amount of memory required depends on the complexity of the website and the anticipated traffic. It is recommended to have sufficient RAM to handle the software's processes and any additional components, such as the web server or database server.

**Processor:** 512 Mb RAM, Intel i3/ Ryzen 3 Core

**Network Bandwidth:** Sufficient network bandwidth is necessary to handle incoming and outgoing traffic



## **DESIGN SPECIFICATION:**

The model being followed by this software project is Behavioral Model and Agile Model. Every step in making this project has been applied while getting continuous feedback from the client. The project has been divided into many development steps so as to get the work done in the given time frame. Building the website should take around four weeks as an agile model should take.

Website components:

- Admin:
  - Login page
  - Order review page
  - Manage admin page
  - Manage menu page
- User Interface:
  - Home page
  - Menu page
  - Add to cart
  - Customer detail page

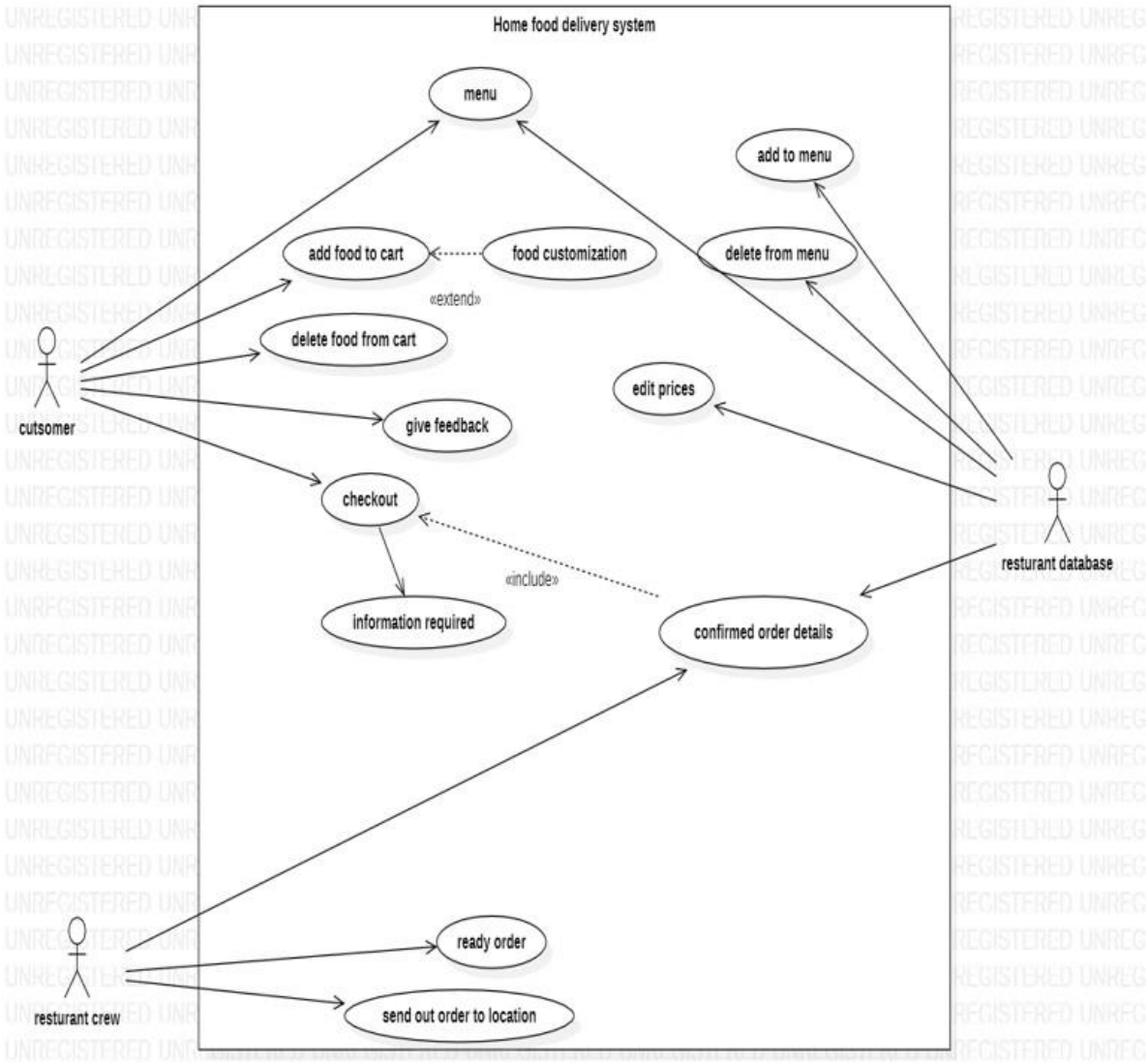
While working on each step, client communication is a must. Constant communication with the client will be maintained to make sure all the requirements of the client are fulfilled.

Each of these following steps will be followed while making the project:

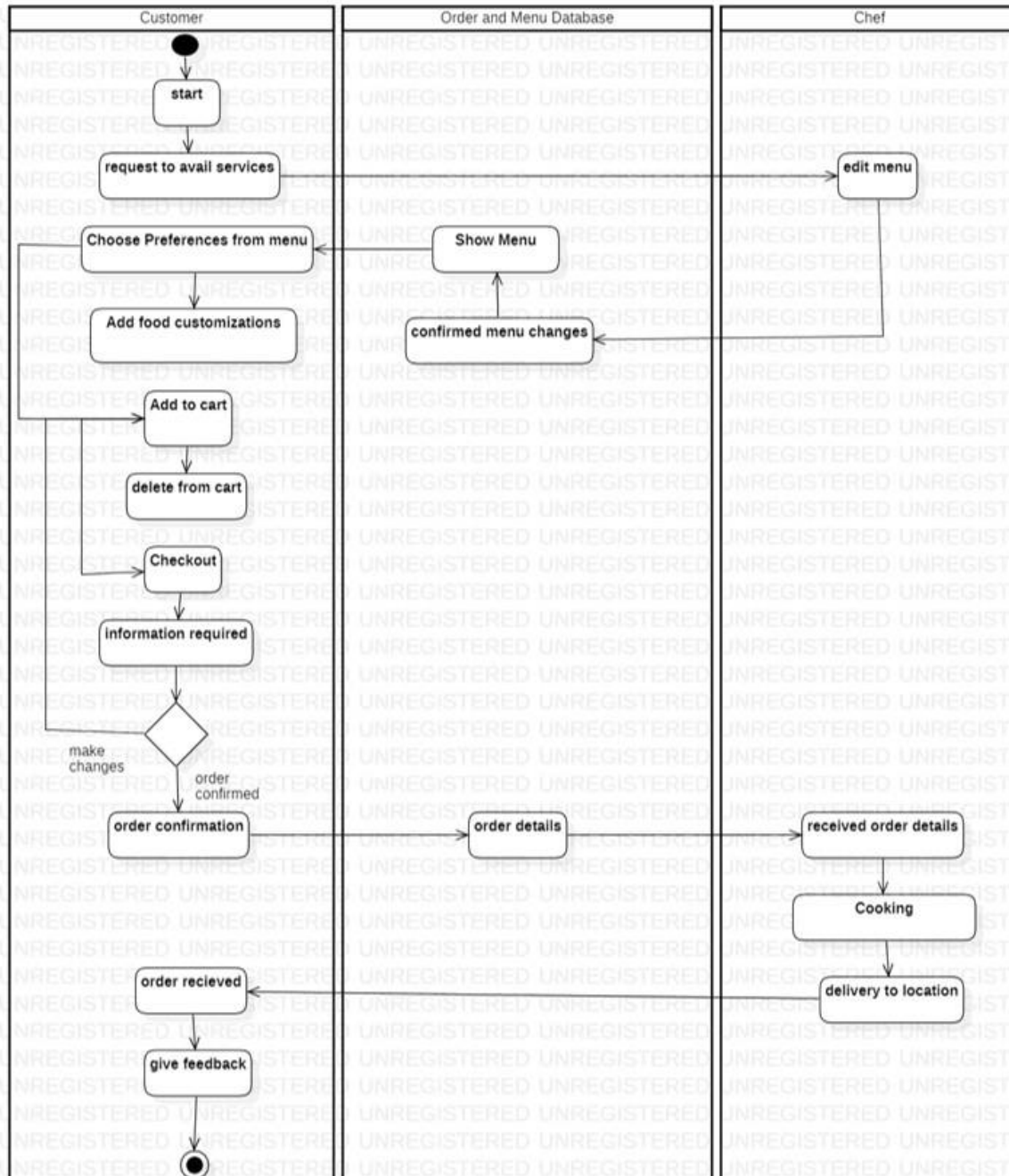
- Requirements gathering
- Design the requirements
- Construction
- Testing
- Deployment
- Feedback

**UML DIAGRAMS:**

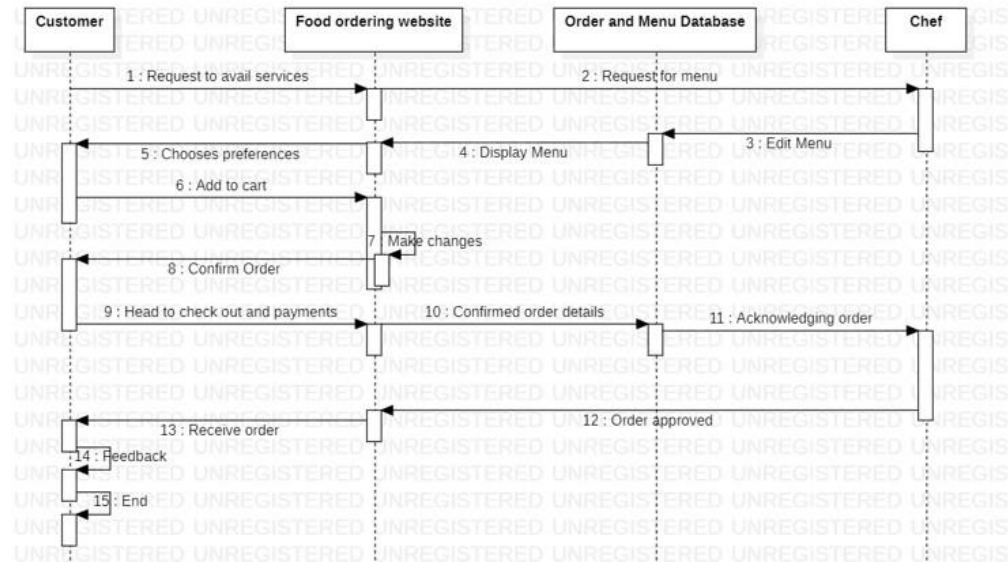
**USECASE DIAGRAM**



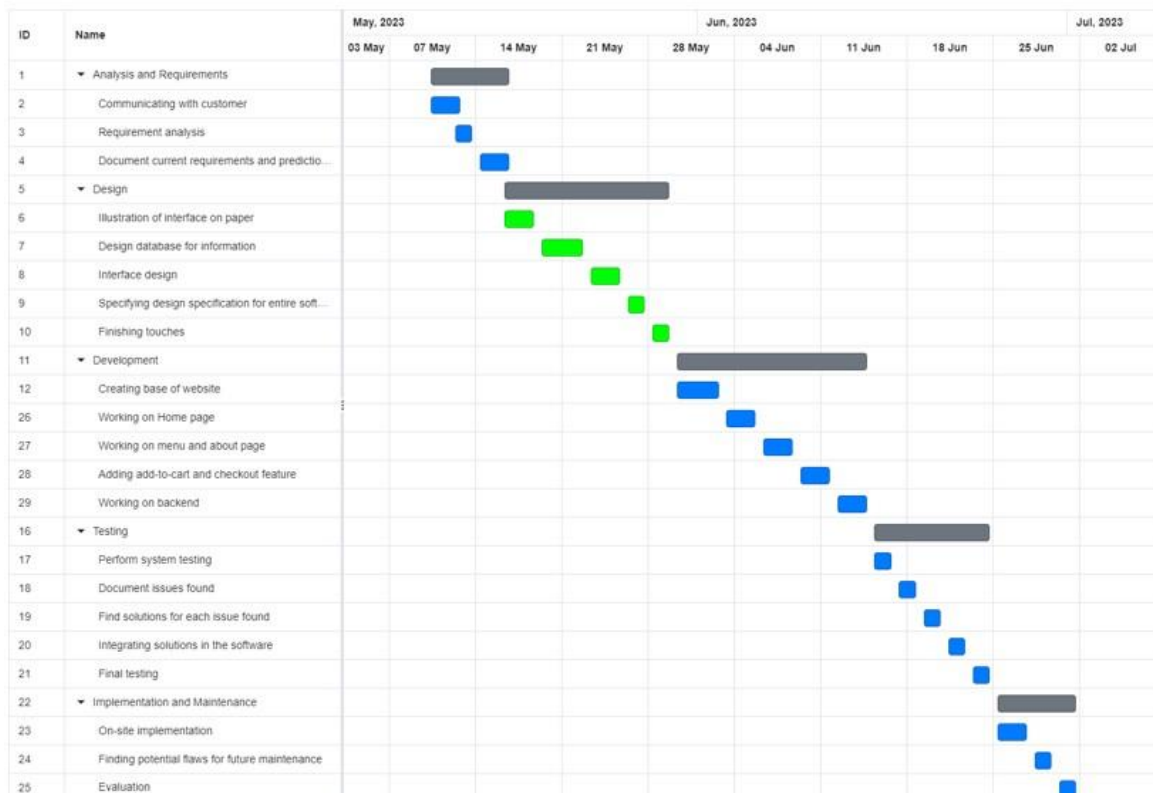
## ACTIVITY DIAGRAM:



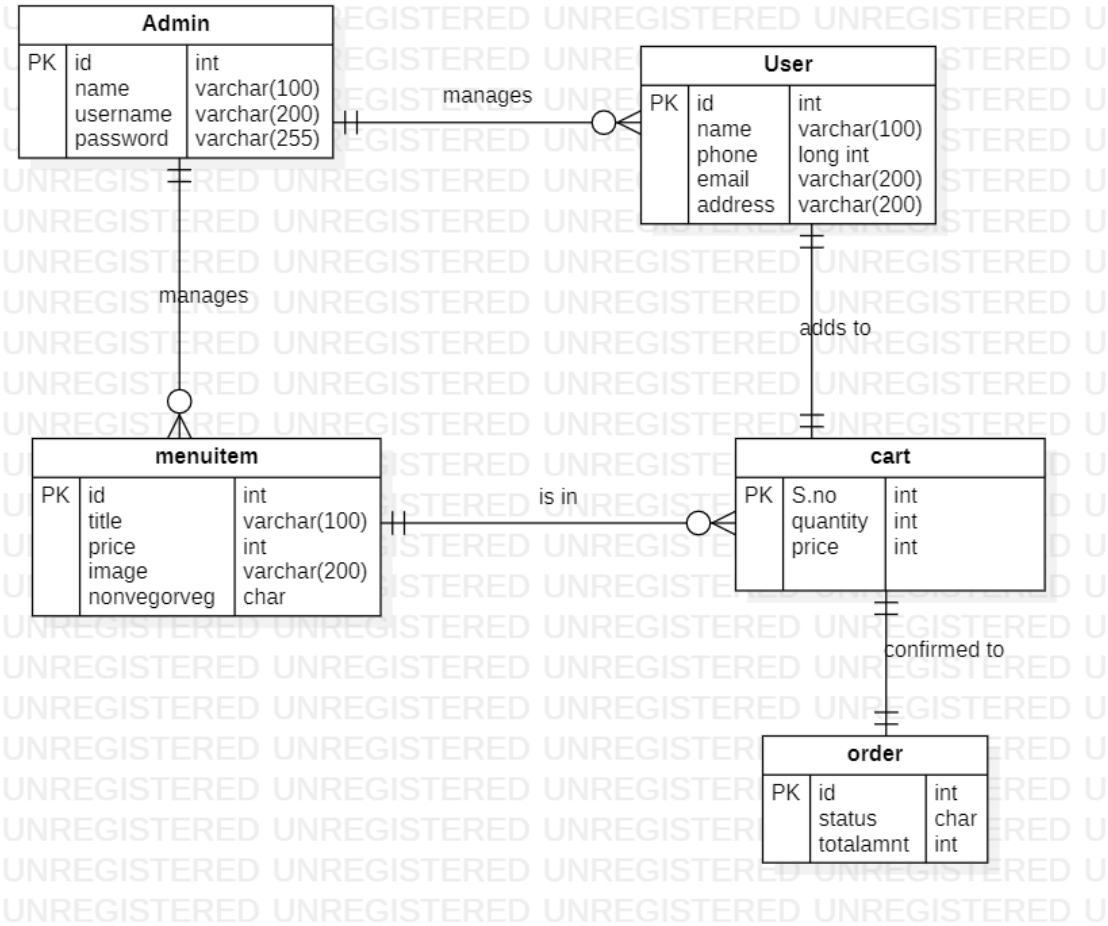
**SEQUENCE DIAGRAM:**



**GANTT CHART:**

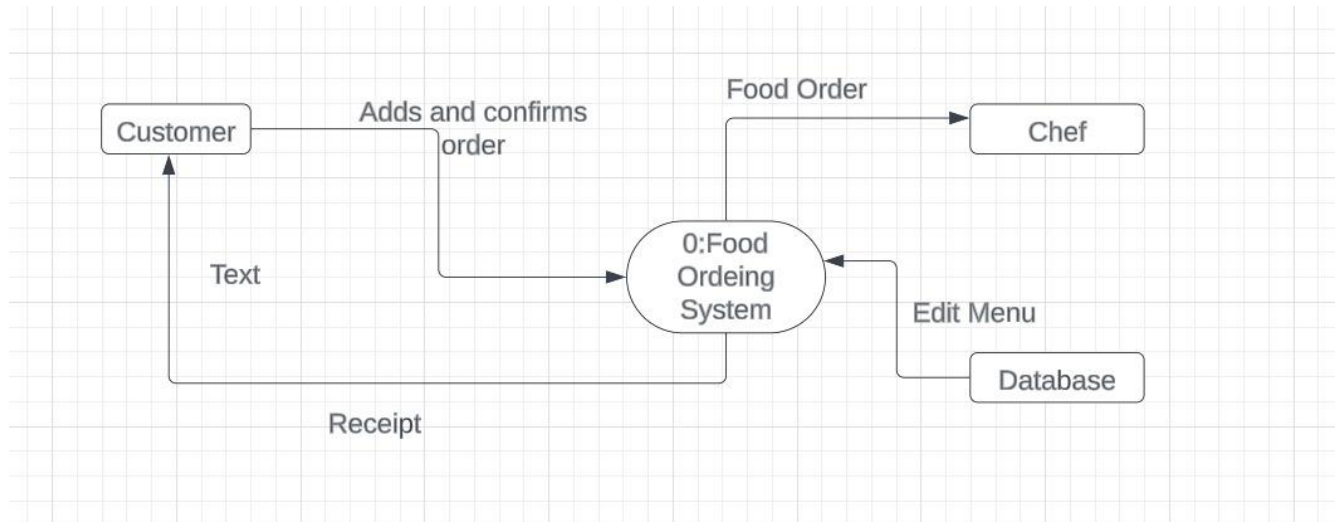


## ER DIAGRAM

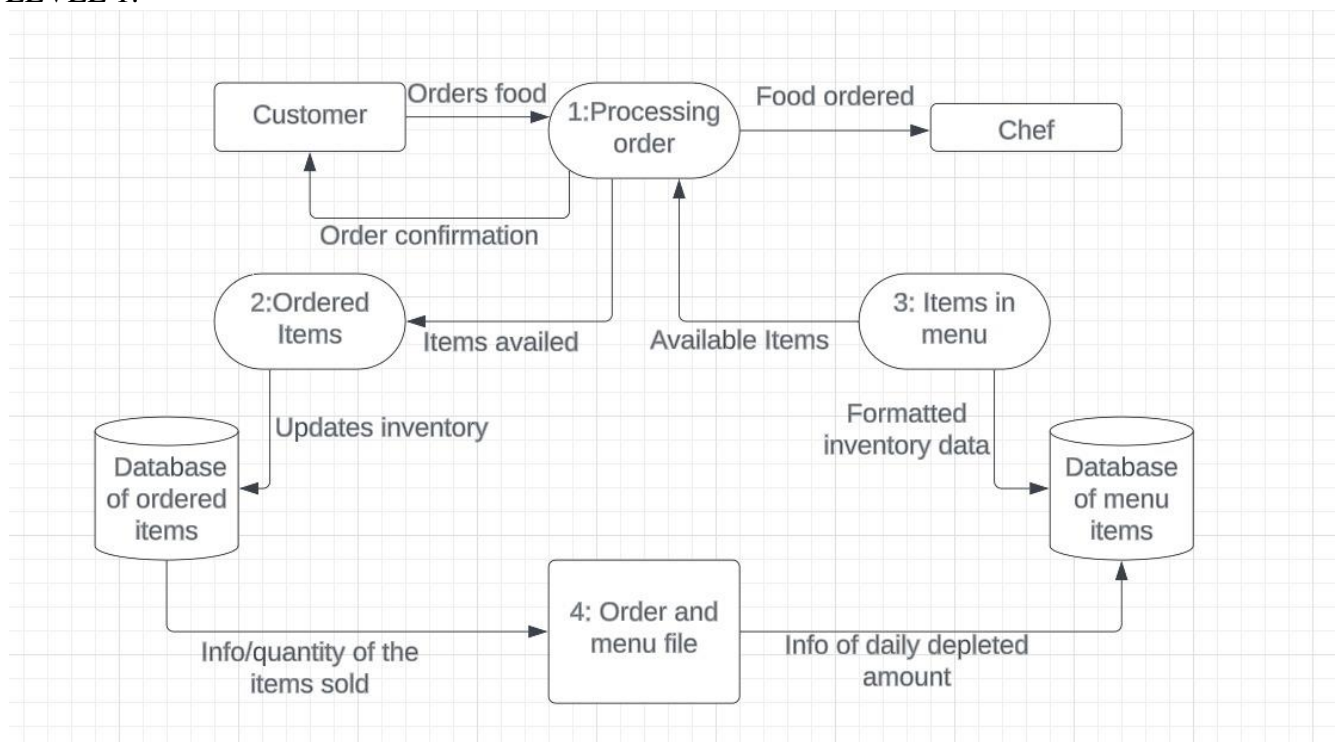


## DATA FLOW DIAGRAM

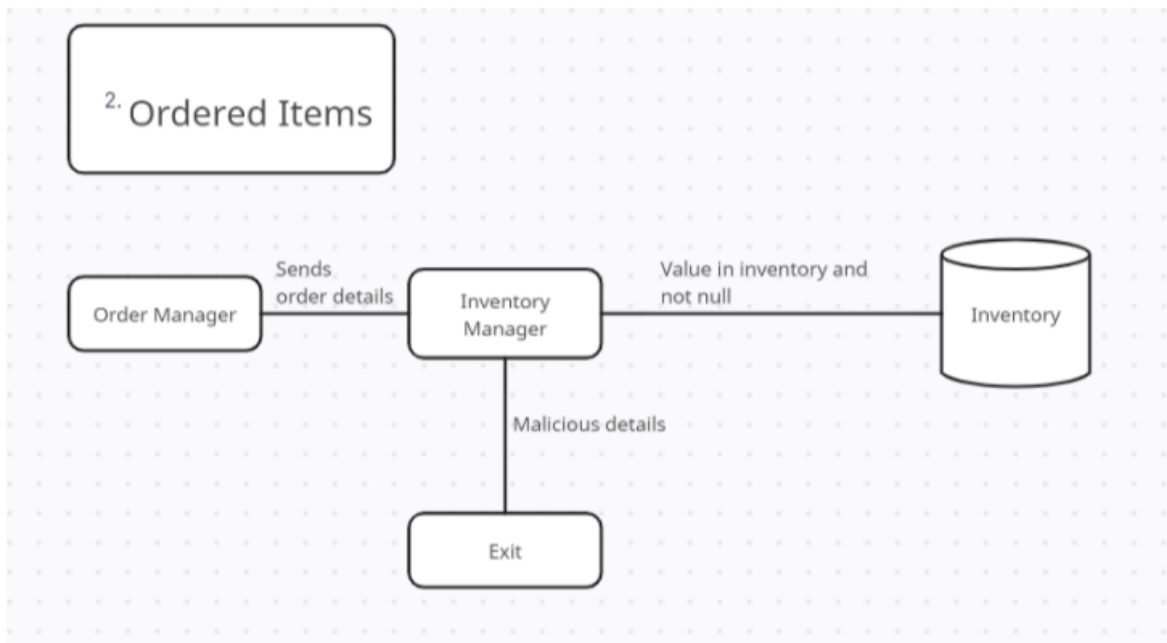
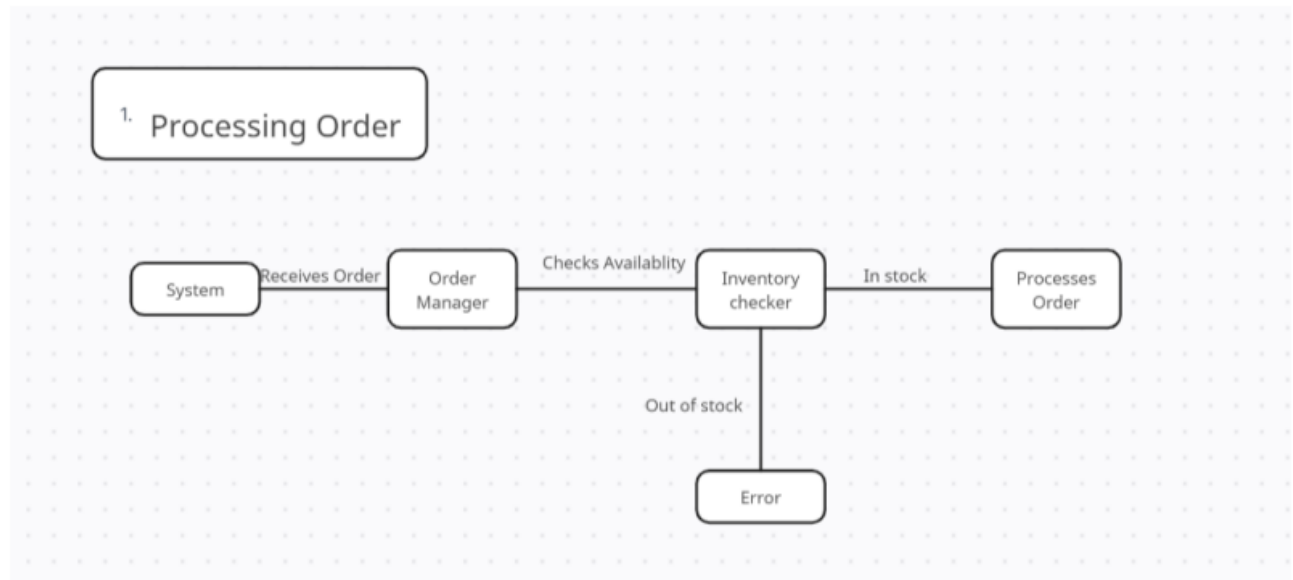
### LEVEL 0:



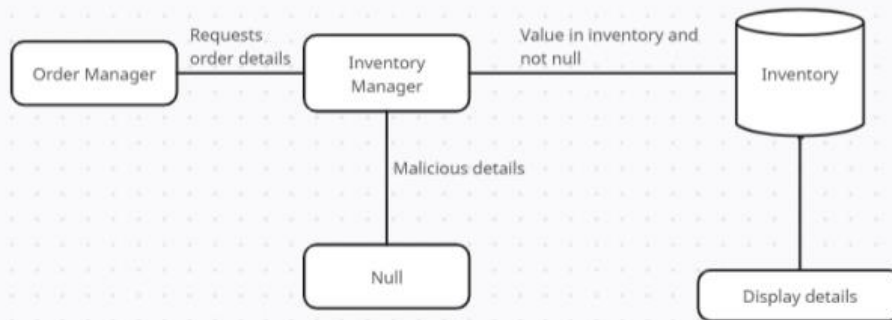
### LEVEL 1:



## LEVEL 2:



### 3.Inventory Items



### 4. Order and Menu file

