FOS: FOOD ORDERING SYSTEM

A Project Report submitted for partial fulfillment of the requirements for the 2Nd sem of

Masters of Computer Application

(MCA)of

JORHAT ENGINEERING COLLEGE

UNDER ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

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Semester

Jorhat Engineering College, Assam

Under the guidance

***of* Mr. Abinash**

Borah

DEPARTMENT OF

:

COMPUTER APPLICATION

JORHAT ENGINEERING

COLLEGE JORHAT, ASSAM

CERTIFICATE

This is to certify that the project entitled "**FOS: FOOD ORDERING SYSTEM**" submitted by **MADHURYA DUTTA** (Roll No. 19), **ANIRBAN DE** (Roll No. 4) in partial fulfilment of requirements for the **3rd Semester** project of **Masters of Computer Application (MCA)** of **Jorhat Engineering College**, under **Assam Science and Technology University** has been examined.

Signature of the guide

(**Mr. Abinash Borah**)

Department of Computer Application

Jorhat Engineering College, Jorhat

Signature of the HOD

(**Mr. Rupom Boruah**)

HOD, Principal of

Jorhat Engineering College,Jorhat

ACKNOWLEDGEMENT

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Lastly, we thank the almighty, our parents and our classmates for their constant encouragement without which this project would not have been possible.

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Date: - 12-07-2022

Madhurya Dutta (Roll No: 19)

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MCA (2nd Semester)

Jorhat Engineering College, Assam

CONTENS

Abstract

The purpose of Online Food Ordering System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Online Food Ordering System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information. The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so thattheir valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

INTRODUCTION

The "Online Food Ordering System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message 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. Online Food Ordering System, as described above, can lead to error free, secure ,reliable and fast management system. It can assist the user to concentrate on the other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources

Objectives:

- Provides the searching facilities based on Item name
- It tracks all the information of customers , items and orders.
- Cart system where mulitiple items can be added to it before placing order

FEASIBILITY STUDY

It is necessary and prudent to evaluate the feasibility of a project at the earliest possible time. There may be different ways of checking whether a system is feasible or not. The following feasibility studies were performed to gauge the feasibility of the system.

➢ OPERATIONAL FEASIBILITY

In this test, the operational scope of the system is checked. The system under consideration should have enough operational reach. It is observed that the proposed system is very user friendly and since the system is built with enough help, even persons with little knowledge of websites can find the system very easy.

➢ TECHNICAL FEASIBILITY

This test includes a study of function, performance and constraints that may affect the ability to achieve an acceptable system. This test begins with an assessment of the technical viability of the proposed system. The management provides latest hardware and software facilities for the successful use of the system. With these latest hardware and software support the system will perform extremely well. The system is available through Internet.

➢ ECONOMIC FEASIBILITY

The development cost of the system is evaluated weighing it against the ultimate benefit derived from the new system. It is found that the benefit, from the new system would be more than the cost and time involved in its development. Intangible cost and benefits:-

- Easy to use, simple and user friendly
- Less usage of papers
- Save allowance for losing and buying tools and equipment.

REQUIREMENTS GATHERING AND ANALYSIS

We set our first set of context-free questions that focuses on the users' requirements, overall project goals and benefits. The questions are:

1. How long will the project timeline be?
2. Who will be using the project outcomes?
3. Who will make the decision about the project?
4. Who will provide the resources to fulfil the project?
5. Whose work will affect the project?

These questions helped us to identify the measurable benefit of the successful implementation and possible alternatives to develop the application.

We finalized the following requirements for the system by categorizing and prioritizing the requirements:

1. Web-based application for user.
2. Accessible via the internet.
3. Allow user to login, manage the system and logout.
4. Maintain a database for the service.

Requirements to develop the website:

1. Processor: Intel Pentium (1.2GHz or above).
2. Internal Storage: - 40GB or above.
3. RAM: 1 GB or above.

Requirements to run the website:

1. Any computer or mobile device
2. An internet connection.
3. Operating System: Windows 7 or above.

An Internet Browser (Google Chrome is preferable

SYSTEM STUDY

The proposed system is implemented to replace the manual system involving a lot of paperwork.

- **Existing system:** The existing system is more prone to human error in terms of assigning mistake. The paper-based system is more prone to human error with data throughout the manual system. Often information is incomplete, or does not follow management standards. Records are often lost in transit requiring a comprehensive auditing process to ensure that no vital information is lost. Also, there is the probability of calculation errors during adding and selling medicine process.

- **Proposed system:** The FOS: Food Ordering System is designed to replace the existing manual paper-based system. The new system is to control the following information: records of Food Items, Order, , stock add, selling Customer details and generate receipts etc. These services are to be provided in an efficient, effective manner, with the goal of reducing the time and resources currently required for such tasks. The proposed system is fully responsive so the user is able to use it in any devices such as laptops or mobile.

SYSTEM IMPLEMENTAION

Tools/Technologies and Languages used for development:

Language used	Software used
1. HTML 2. CSS 3. PHP 4. JavaScript 5. jQuery 6. SQL	1. VS CODE 2. XAMPP server 3. MySQL database

System requirements:

The hardware required for this software is a personal computer (desktop or laptop) with the minimum hardware configuration given below:

- Operating system: Windows (7/8/10), Linux (all current major distributions)
- Processor: Intel Pentium
- Browser: Any Chromium-based browser (Google Chrome, Microsoft Edge, etc.)
- RAM: 1GB

MODULE DESCRIPTION

ADMIN MODULE DESCRIPTION

In this system after the admin logs in, the user will find a dashboards that includes: a side menu bar mentioned with 'Dashboard', ‘Category’, ‘Items', 'Orders', 'Customers'. Also in the top nav-bar user will find a Customer view options, etc.

- **Login:** The 'Login' facility is added for user authentication purpose. It helps to verify the credentials of an authorized user.

- **Dashboard:** This is the first layout the admin interacts with after his/her login is completed. This page gives overall management activity of the system that includes numbers of various records.

- **Category:** Using this tab the admin can add, update & delete Category information of various foods and view the records of it.

- **Items:** Using this tab admin can add, update & delete various food items records of various foods and view the records of it.

- **Order:** Using this tab the admin can view the records of orders.

- **Log-Out:** On clicking this button the admin who is currently logged in will be removed from the current login session and will be redirected to the login page.

CUSTOMER MODULE DESCRIPTION

In this module, the user will find a navigation panel, a cart, a search bar, and a product Section.

- **Navigation panel:** The navigation panel will include all the important pages that the user can navigate.

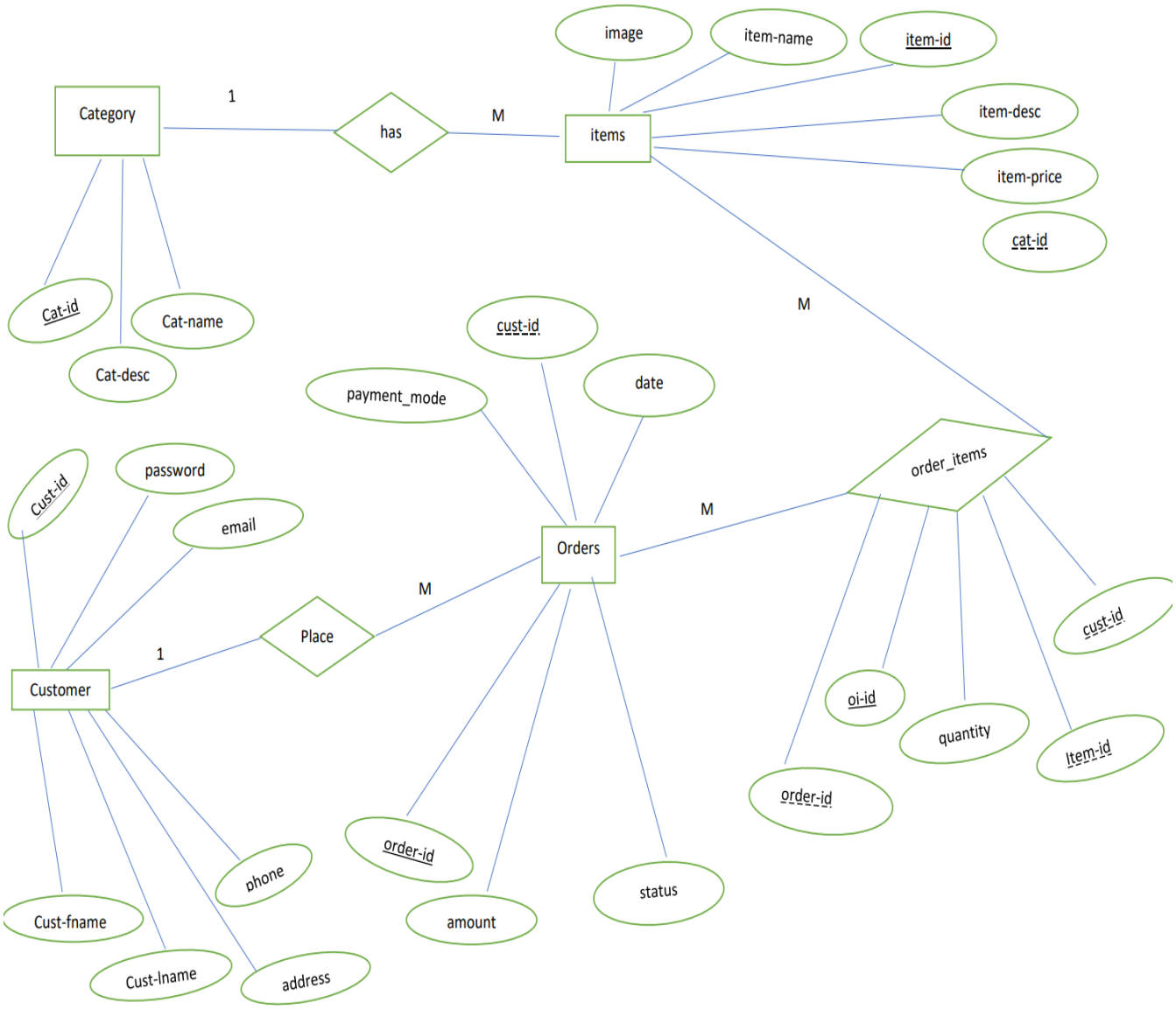
- **Cart:** Here the customer can add multiple food items before placing the order. This module will work without logging in to the system.

- **Search bar:** Here the customer can search any specific food items by name. This module will work without logging in to the system.

- **Login:** The 'Login' facility is added for customer authentication purposes. It helps to verify the credentials of an authorized user.

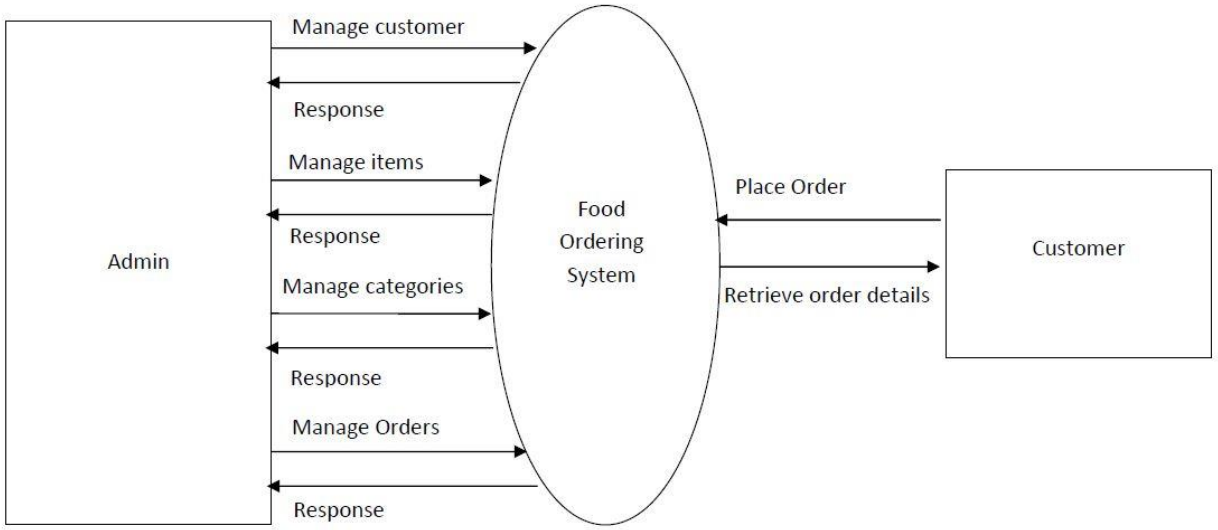
- **Product Section:** Here all the added items from the database are displayed on an individual card.

ENTITY RELATIONSHIP (ER) DIAGRAM



DATA FLOW DIAGRAM (DFD)

➢ LEVEL 0 DFD (CONTEXT LEVEL DIAGRAM):



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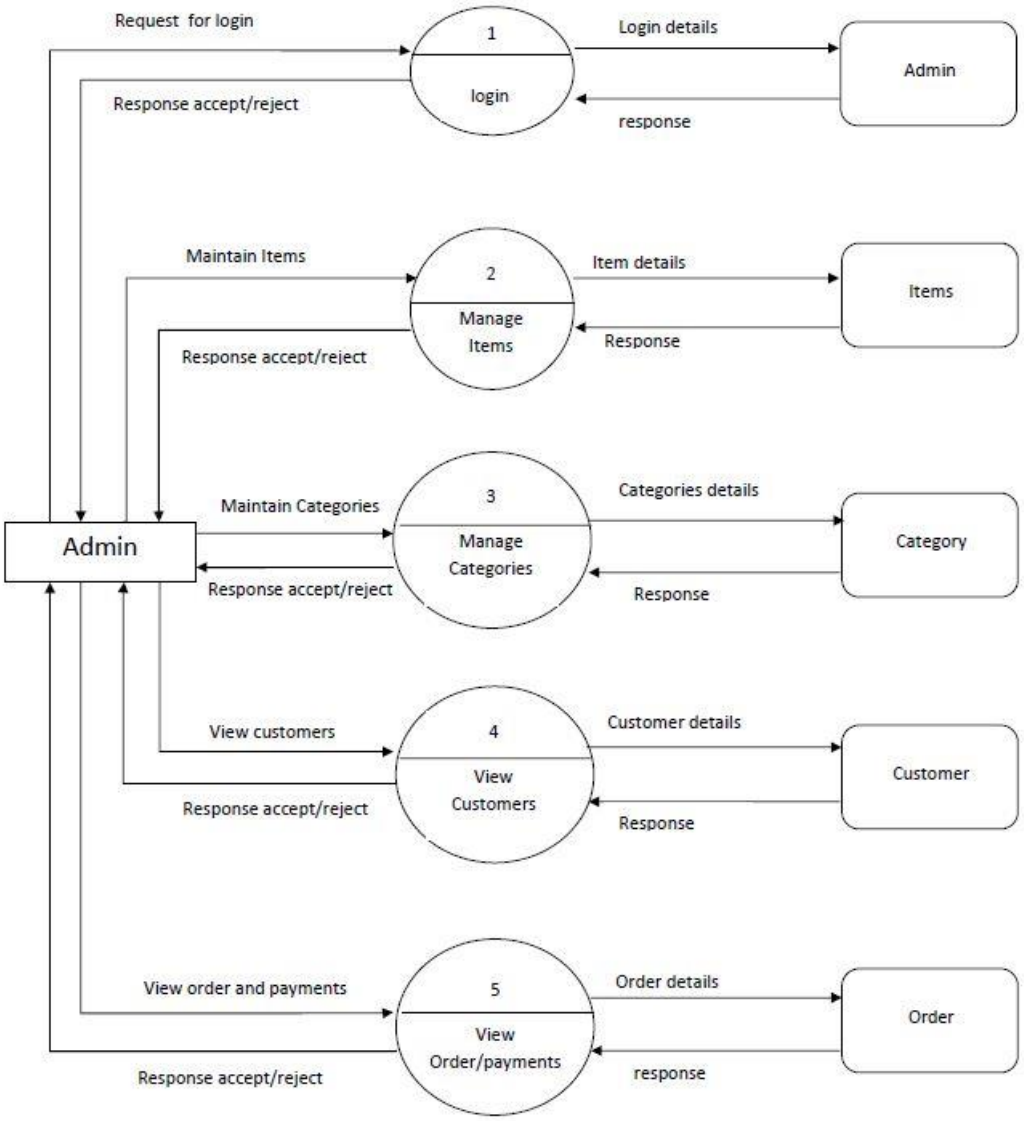
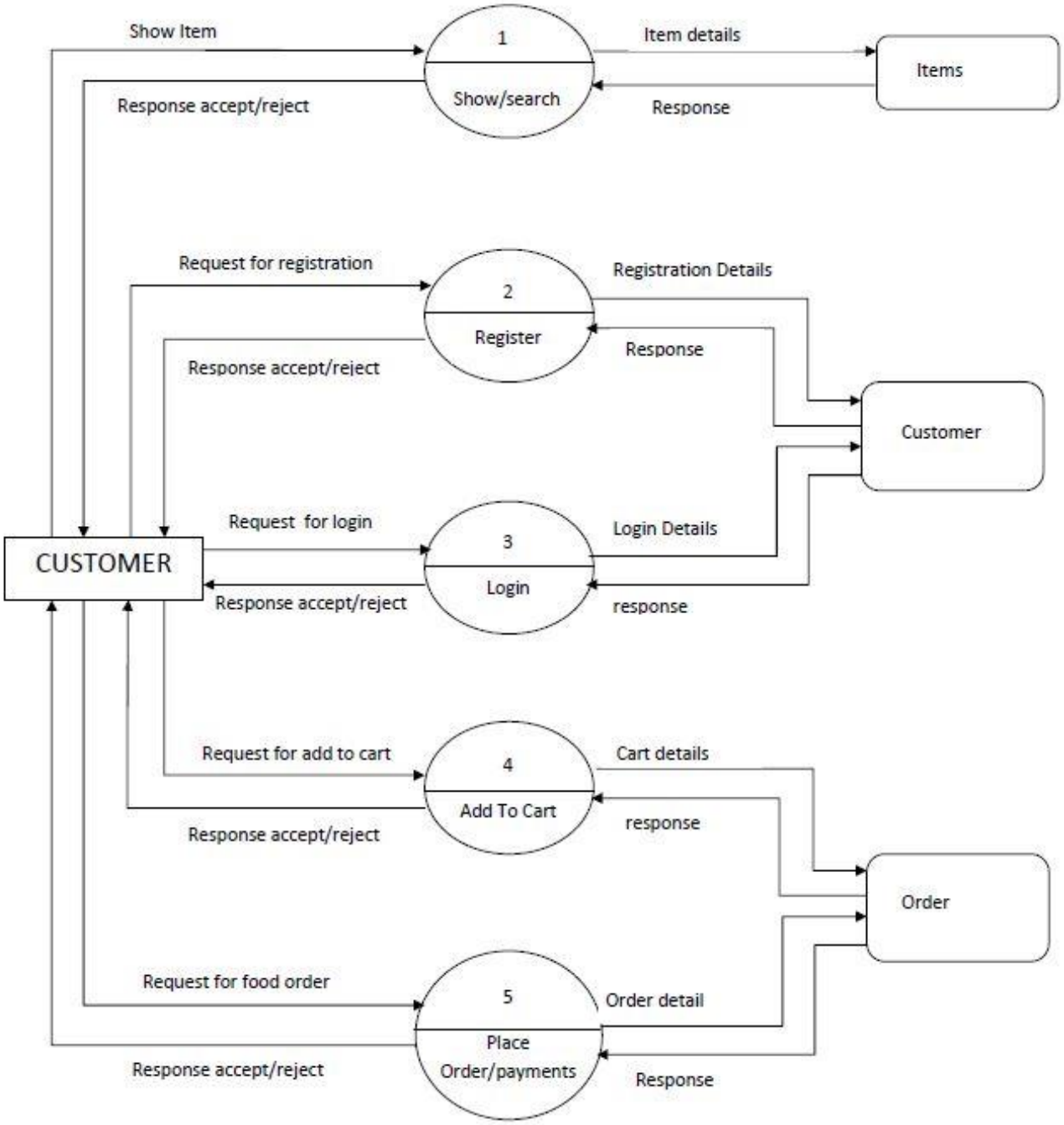


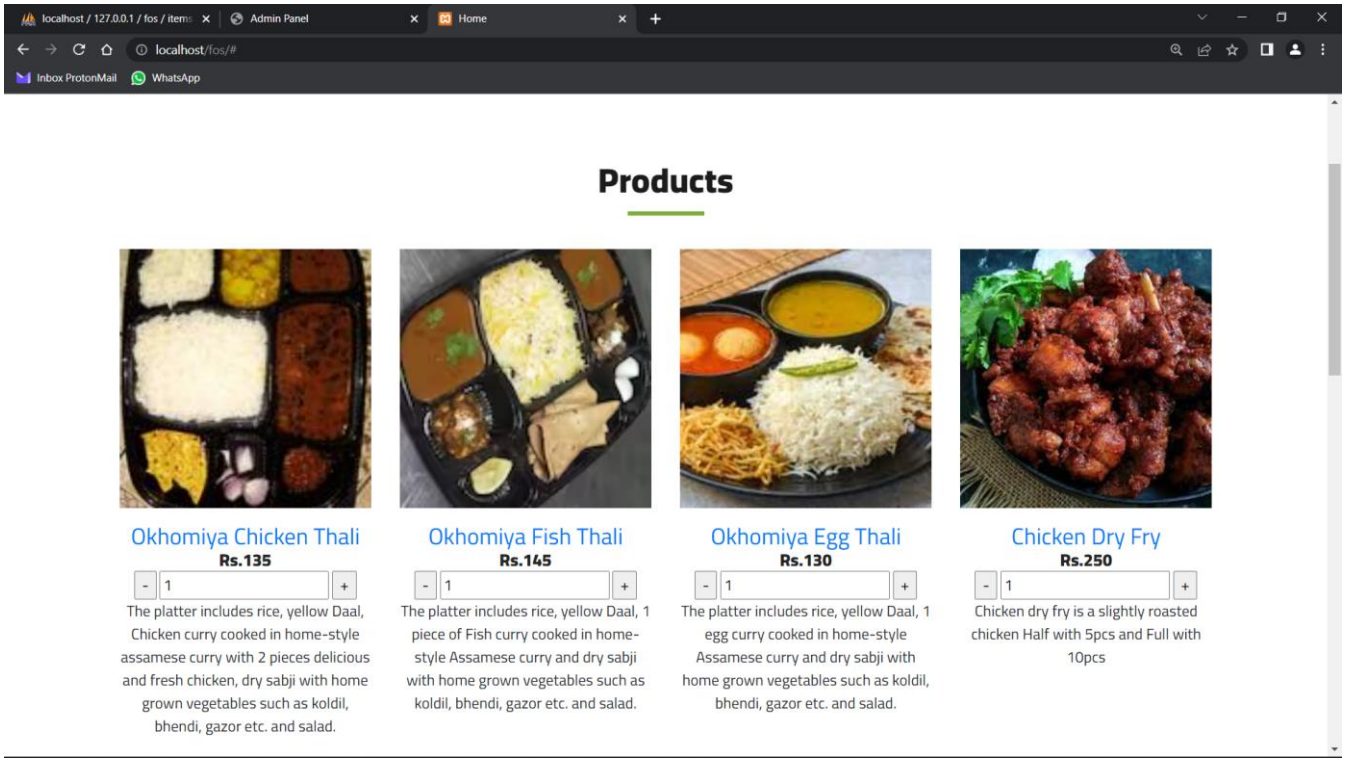
1st LEVEL DFD FOR ADMIN



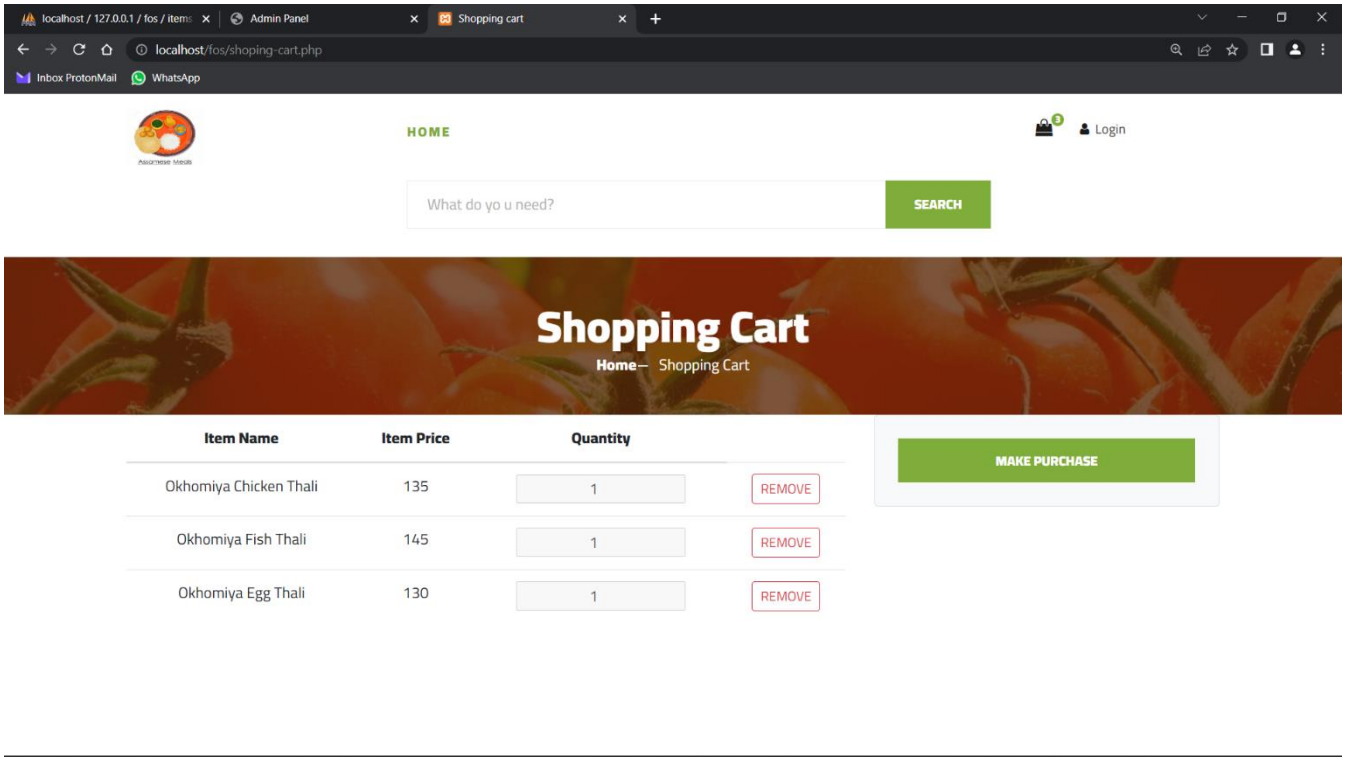
1st LEVEL DFD FOR CUSTOMER

SNAPSHOTS

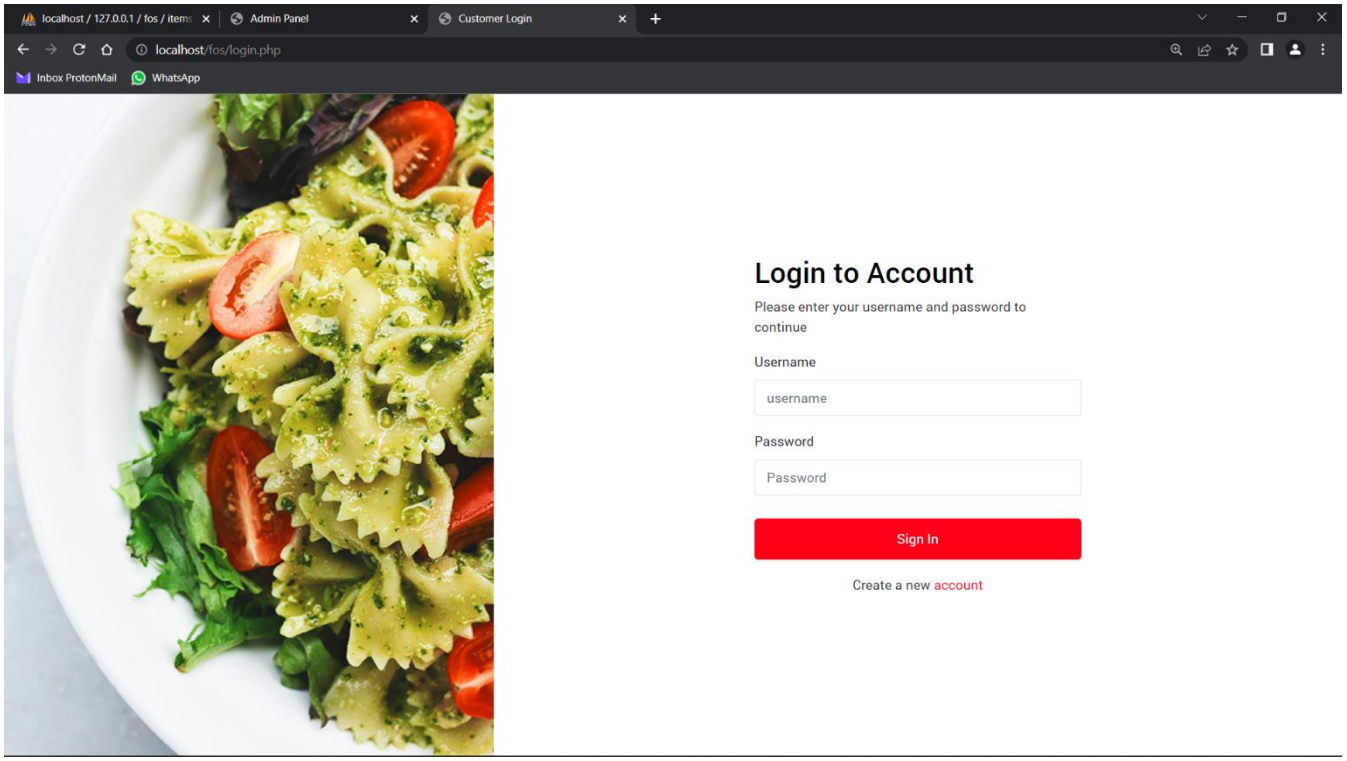
Home Page



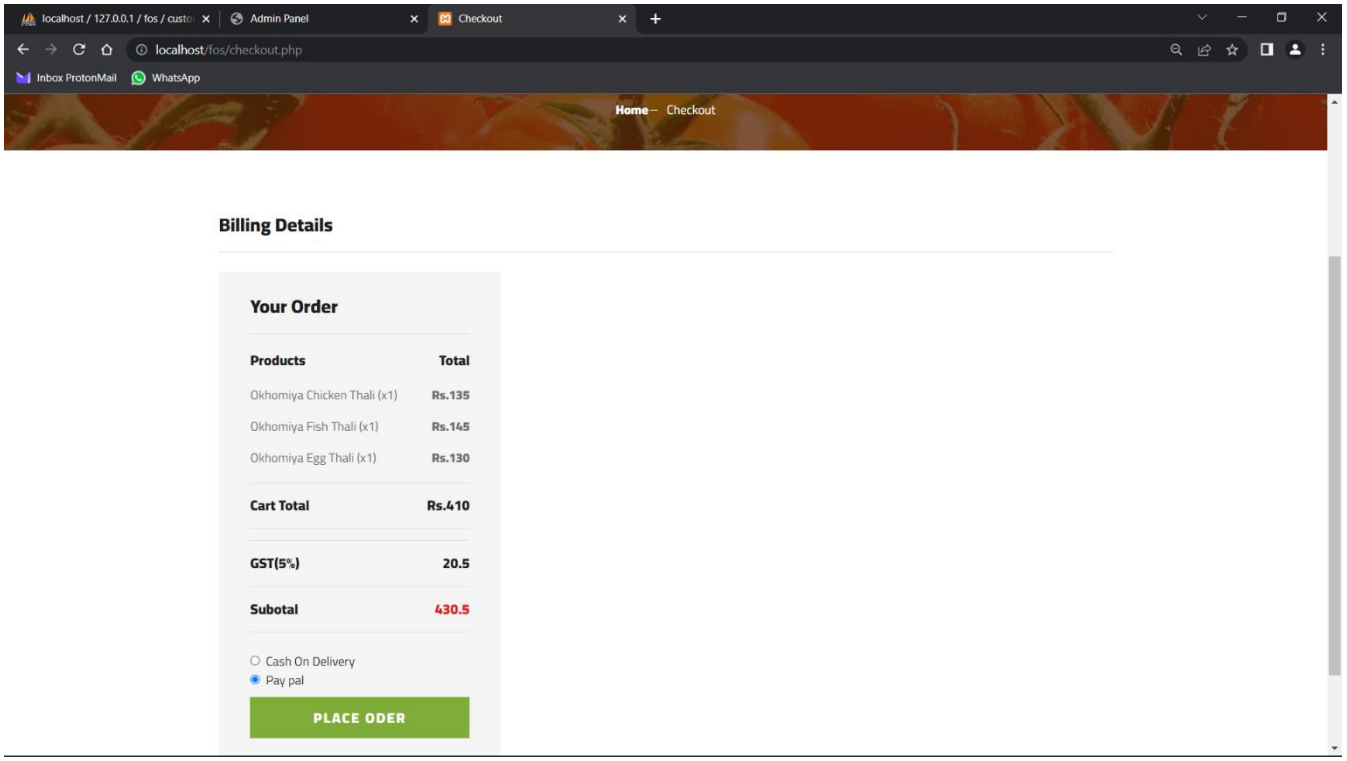
Shoping Cart



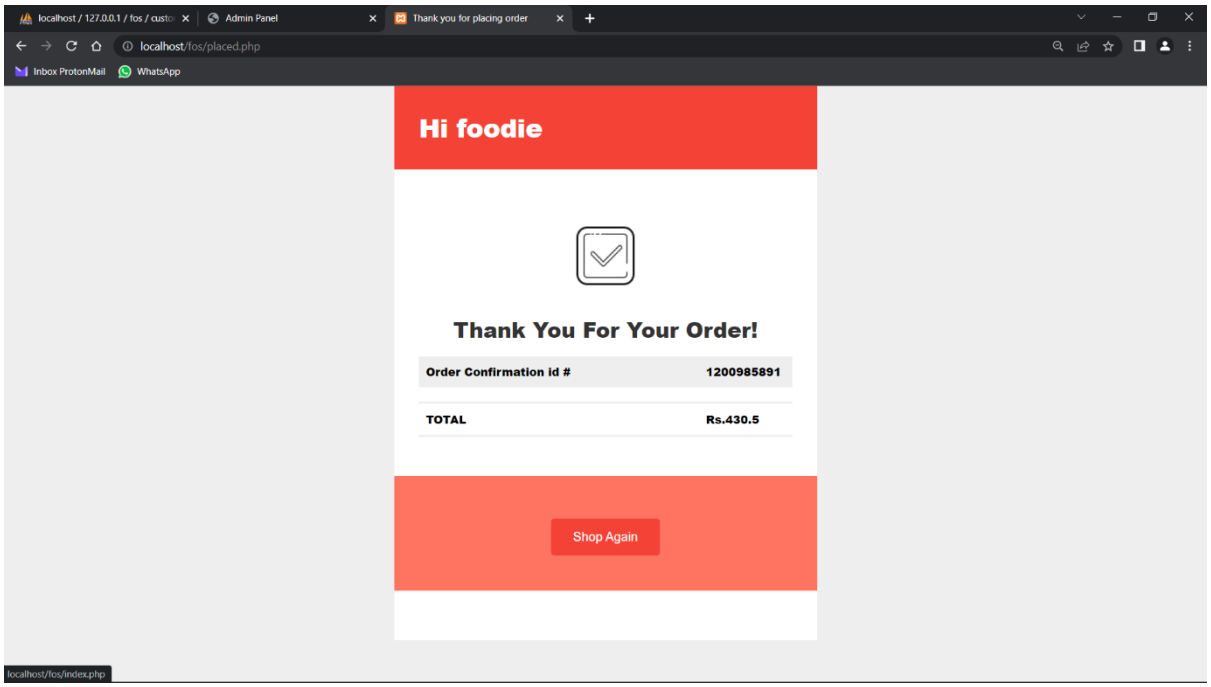
LOG-IN PAGE



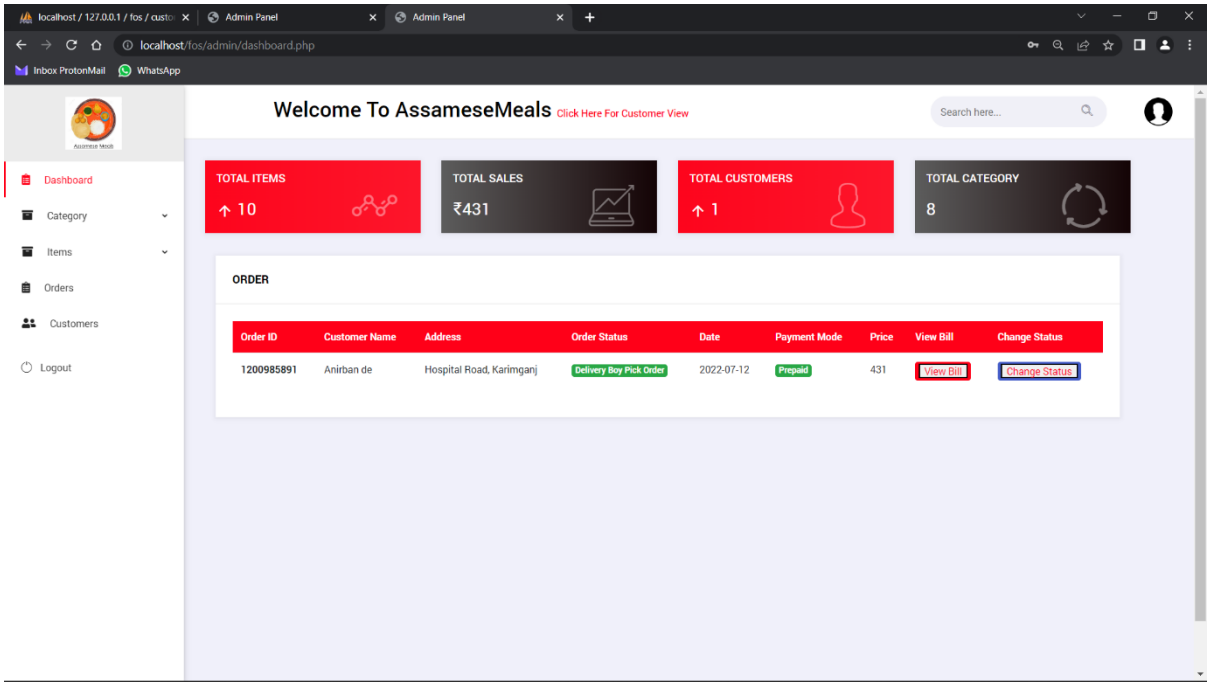
CHECKOUT PAGE



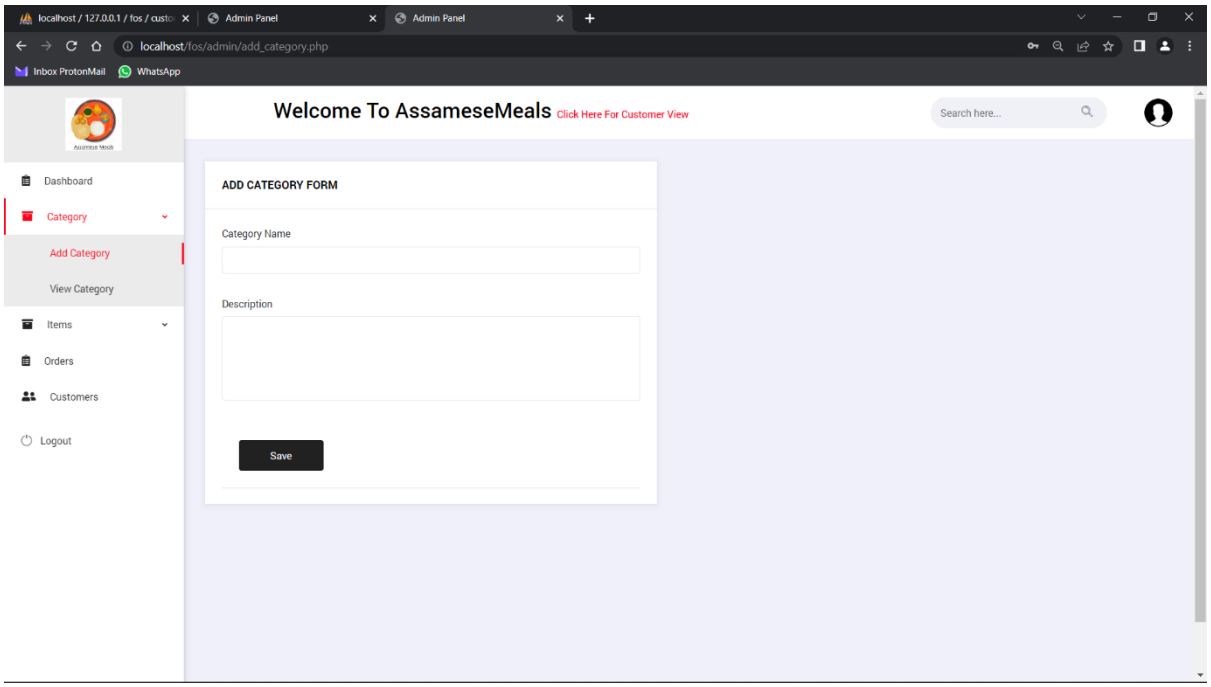
SUCCESFULLY ORDER PLACED



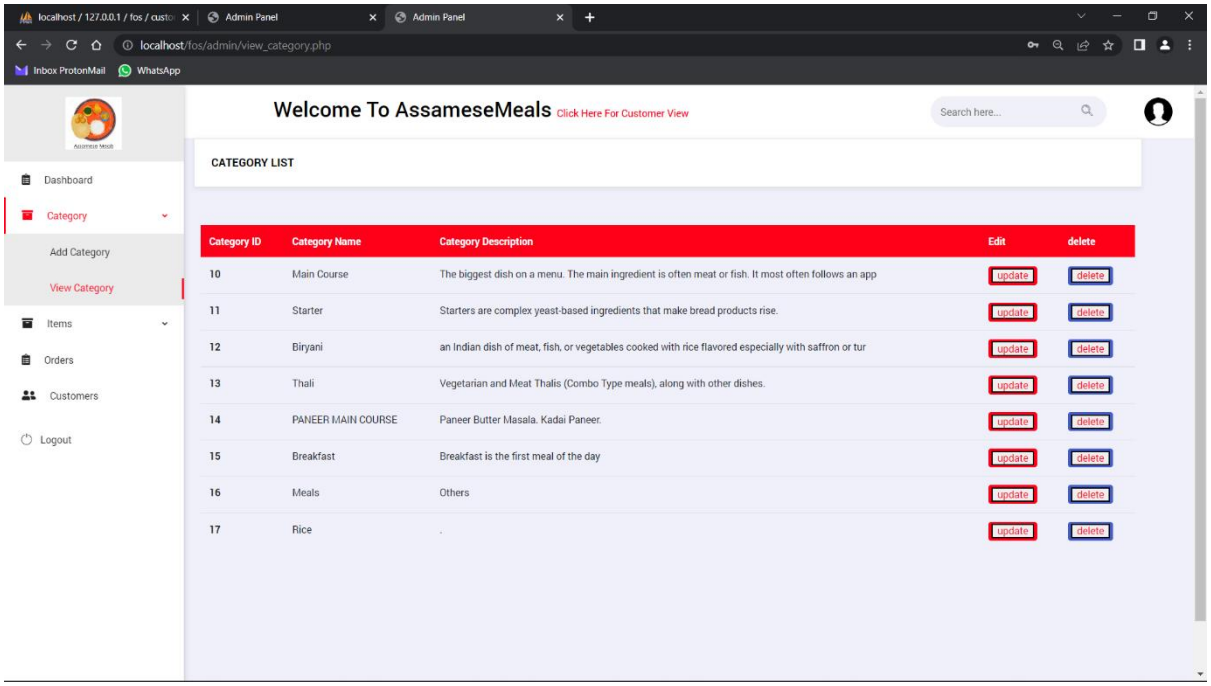
ADMIN DASHBOARD



ADD CATEGORY

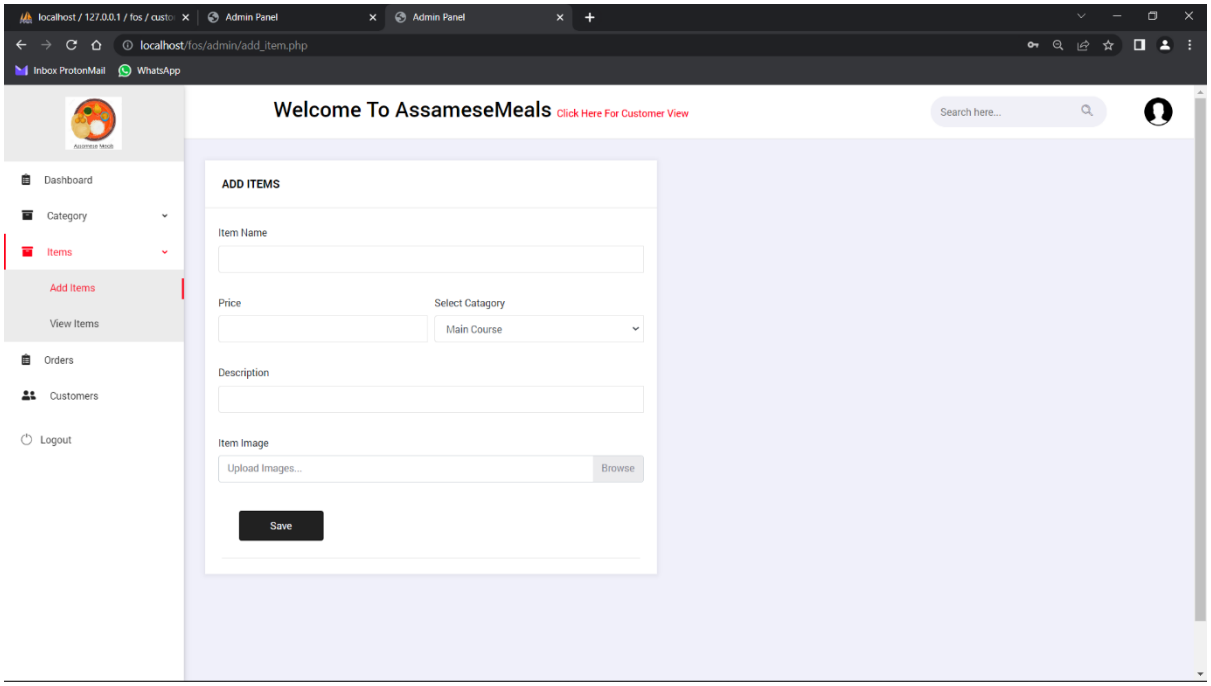


VIEW

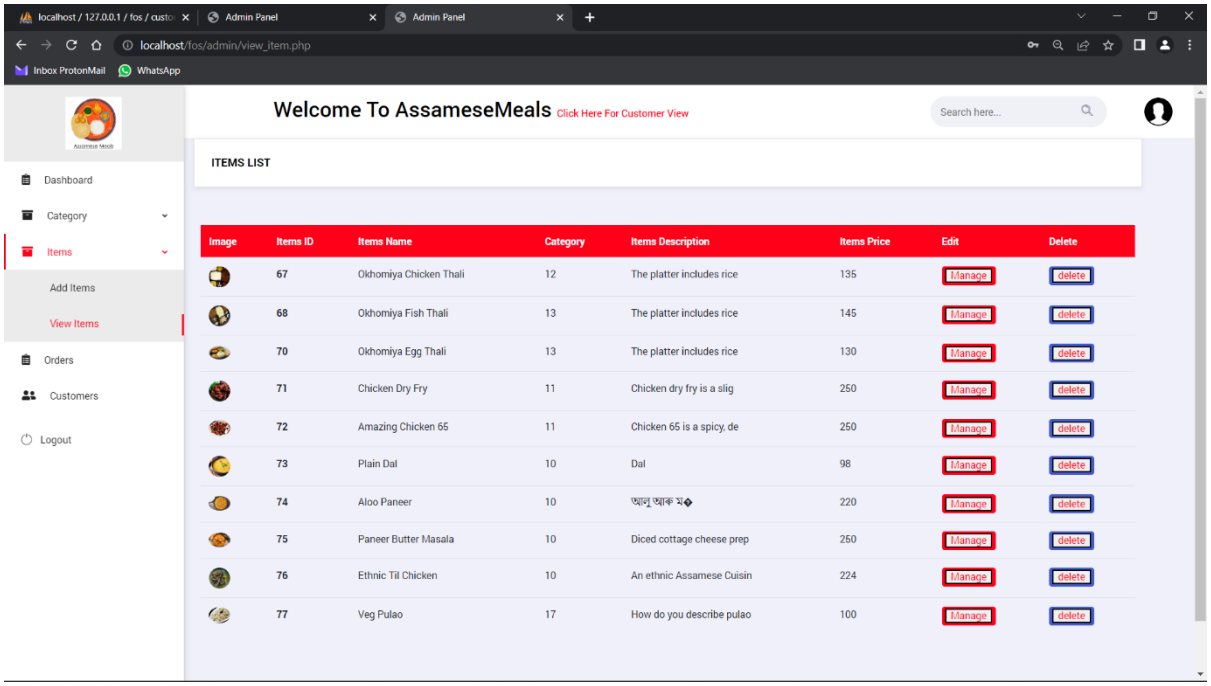


VIEW CATEGORY

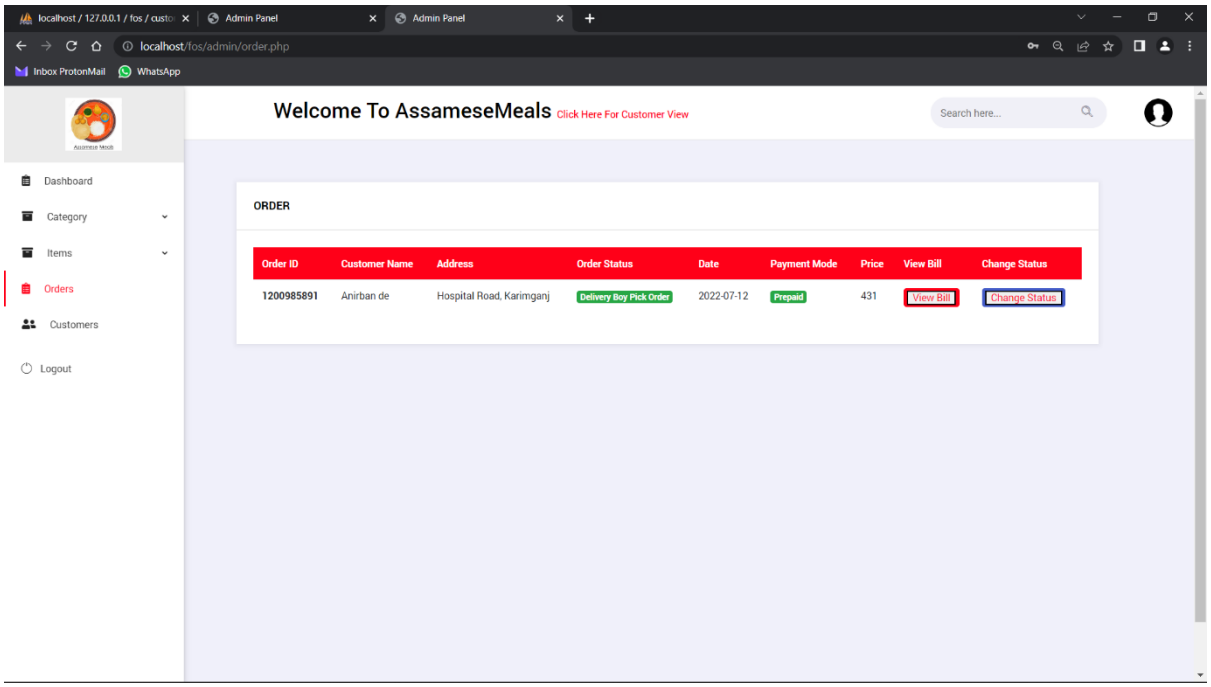
ADD ITEMS



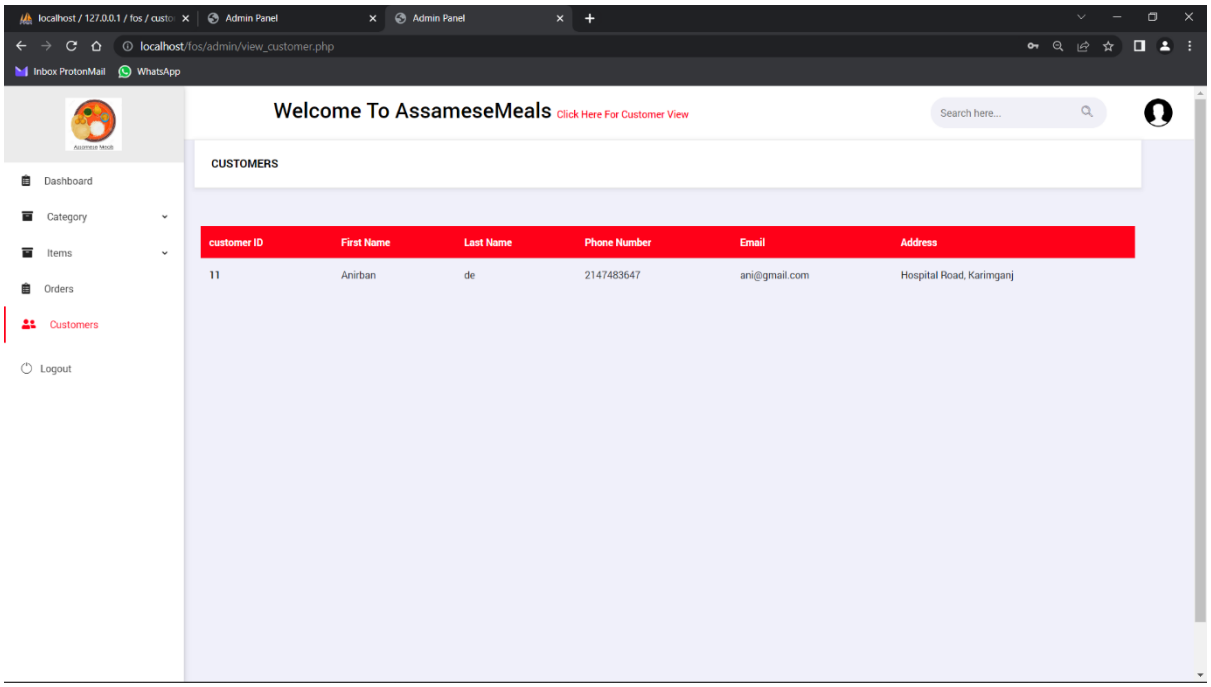
VIEW ITEMS



VIEW ORDERS



VIEW CUSTOMERS



FUTURE SCOPES OF THE SYSTEM

The future scopes of the proposed system are:-

- Multiple restaurants can be added.
- The real-time delivery can be added
- Multiple restaurants can be added.
- Discount using coupons can be added

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WEB LINKS :

- https://www.getbootstrap.com/docs/4.0/components/navbar/
- https://www.w3schools.com/php
- https:// www.php.net
- https://www.tutorialrepublic.com/twitter-bootstrap-tutorial/bootstrap-navbar.php
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