**Department of Computer Science and Engineering**

**SOFTWARE ENGINEERING PROJECT**

**Subject Code: UE 20CS303**

**SUBMITTED BY:-**

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**August – Nov 2022**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**BENGALURU – 560100, KARNATAKA, INDIA**

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# ONLINE FOOD ORDERING SYSTEM

## Synopsis:-

The aim of developing Online Food Ordering system project is to replace the traditional way of taking orders with computerized system. Another important reason for developing this project is to prepare order summary reports quickly and in correct format at any point of time when required.

Online Food Ordering System has a very lot of scope. This PHP project can be used by any restaurants or fast foods for customers for keeping their order records. This project is easy, fast and accurate. It requires less disk space. Online Food Ordering System uses MYSQL Server as backend so there is not any chance of data loss or data security.

## CHARACTERISTICS OF THE PROJECT:-

1. User Friendly: Online Food Ordering System is a very user friendly project because the Food Ordering Record and searching from categories is very simple, fast and data is secured. The user interface of the project is very simple.
2. Order reports of the system can be easily generated. User can generate the report of any particular date and period. In this way they can get delivery status of customers and get information about what is being ordered.
3. Very less paper work: Online Food Ordering System requires less paper work. In this project all record is fetched directly into the computer and reports can be generated through just a click. In this way it saves time. As data is directly entered into computer so there is no need to do any paper work.
4. Computer operator control: Online Food Ordering System is operated by the staff members and one admin so there is no chance of clerical mistakes. Data feeding and retrieving in this system is very easy. So the work can be done on time.

# Software Requirements Specification

## Product Perspective

The software described in this SRS is the software for a complete Restaurant food ordering system. The system merges various hardware and software elements and further interfaces with external systems. it relies on a number of external interfaces for persistence and unhandled tasks, as well as physically interfacing with humans

### Product Functionality

The Restaurant food ordering system interfaces with an existing payment system, including a cash register and software accessible credit system, in order to quickly and easily handle customer billing. The payment system should be operable such that it can return information to the RFOSsystem as to whether payment was successful or failed

### Users and Characteristics

There are three separate user interfaces used by the RFOS software, each related to an interfaced physical hardware device . These three user interfaces are the Surface Computer UI,Tablet UI and Display UI

### Design and Implementation Constraints

Constraints The RFOS should be written in an object-oriented language with strong GUI links and a simple, accessible network API. The primary candidate tool chains are Java/Swing, C++/Qt and Python/Qt. The system must provide a capacity for parallel operation and system design should not introduce scalability issues with regard to the number of surface computers, tablets or displays connected at any one time The system must be reliable enough to run crash and glitch free more or less indefinitely, or facilitate error recovery strong enough such that glitches are never revealed to its end-users.

### External Interface Requirements

3.1.1. User Interfaces

User interface design is concerned with the dialogue between a user and the computer.It is concerned with everything from starting the system or logging into the system to the eventually presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.

## PROJECT PLAN:-

# Online Food Ordering System

-

- Online Food Ordering System
- Online Food ordering system is a process in which one can order various foods and beverages from some local restaurant and hotels through the use of internet, just by sitting at home or any place. And the order is delivered to the told location.
- Nowadays everyone is having busy schedule whether it is urban area or rural. But talking specifically about the urban areas and deeply about the big cities, people out there are so busy in their life that they don't get enough of time to have their meals properly.
- As these days women are no less than men, in any field. So in big cities even wives are working women, therefore mostly the small families manage to have their food ordered from somewhere, as they lack time.
- Not only this is the case, if we talk about the children in the modern era they like only fast food or something from the outside. But they ignore eating homemade meals.
- So food ordering system these days has one of the fastest growing market, though being a new idea. In this project we have developed something like the same to earn from and serve the nation in a much better way possible.
- Nowadays, people are more regular to dine-in at restaurant for their meals. The online food ordering system provides convenience for the customers that are nothing special but the general busy people of the society.

- It overcomes the demerits of the manual hotel or mess system and the old fashioned queuing system. This system enhances the readymade of foods than people.

- Check online bus booking system
- Therefore, this system enhances the speed of getting food in person's plate and quality and manner of taking the order from the customer. It provides a better communication platform. The user's details are stored using the electronic media.

- The online food ordering system provides the menu online and the customers can easily place the order by just clicking the mouse or by touching a button on their smart phones.

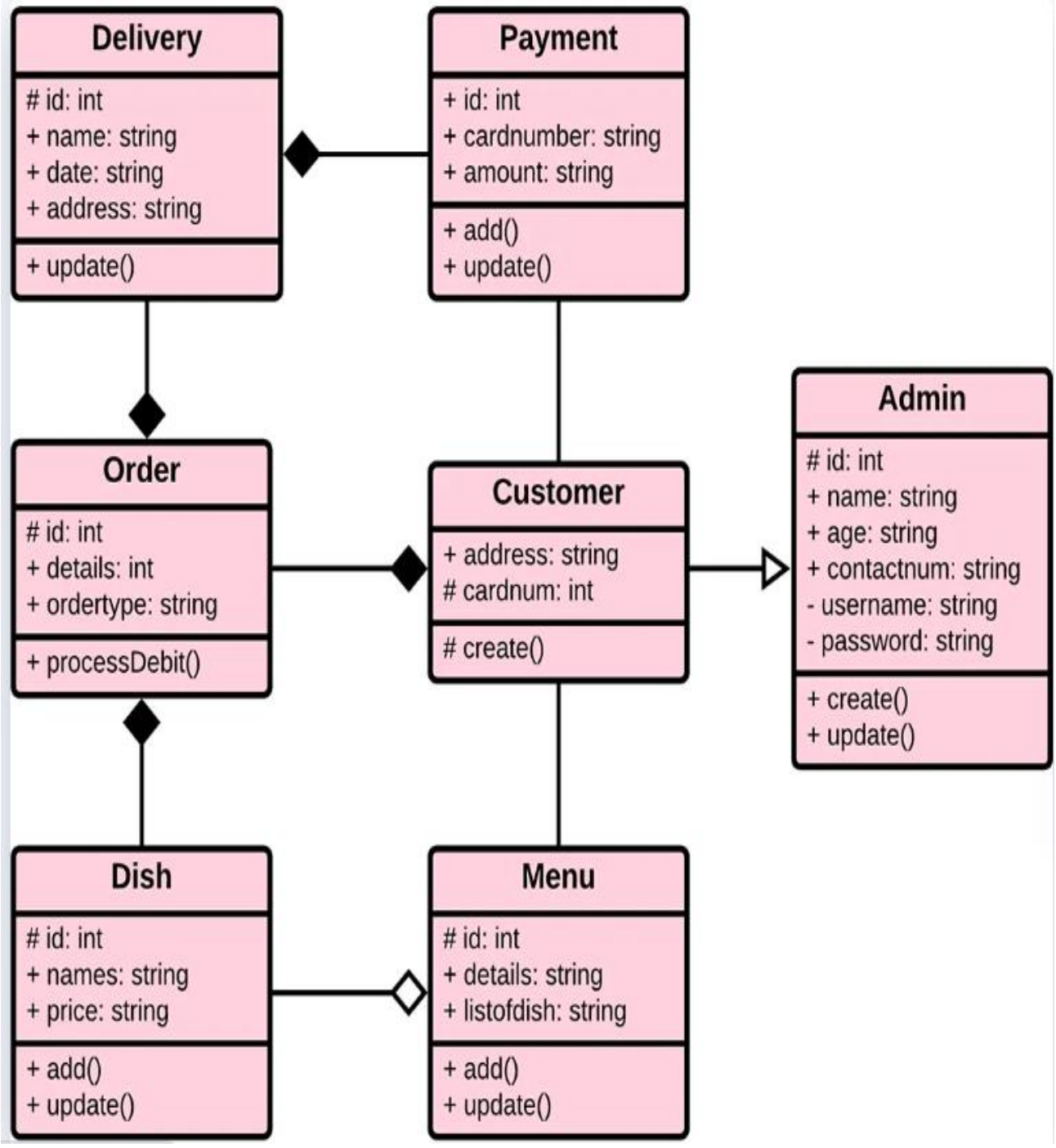
- Also with the food ordering system online, people can easily track their orders, and admin can maintain customer's database and advance the food delivery system.

- This food ordering system allows the user to select the desired food items from a list of available menu items provided by the local hotel or restaurant. The user can place orders for the food items of their like from the list.

- The payment can be made online or pay-on-delivery system. The user's details are maintained confidential because it maintains a separate account for each user. An id and password is provided for each user.

- And several encryption techniques have also been used on the server side to protect the card details. Therefore it provides a more secured and safe ordering system.

# DESIGN DIAGRAMS



# TEST CASES:-

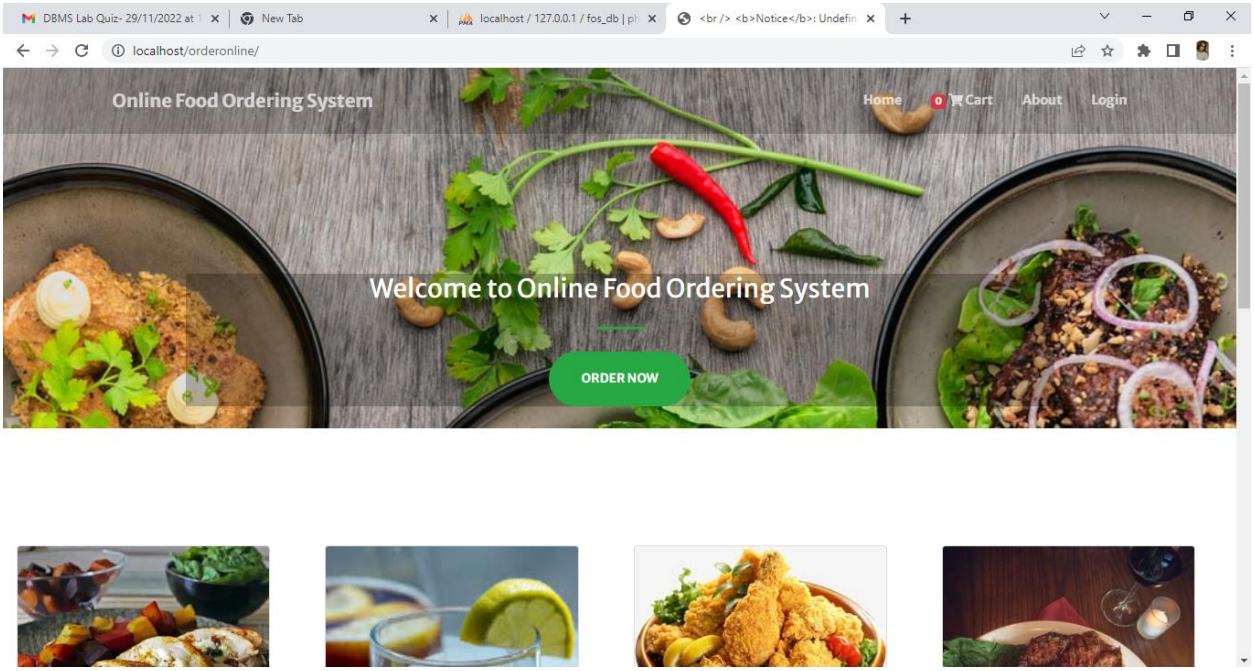
## Template of a Test case:

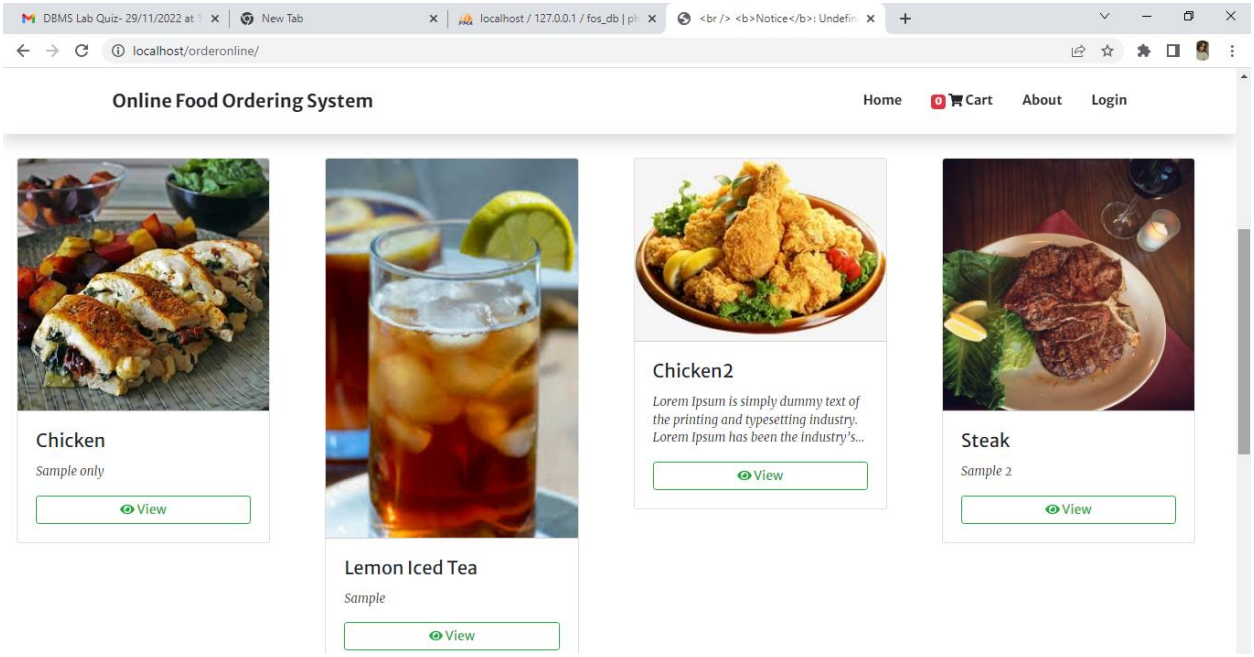
| Test Case ID | Name of Module | Test case description | Pre-conditions | Test Steps | Test data | Expected Results | Actual Result | Test Result |
|---|---|---|---|---|---|---|---|---|
| 01 | **Search Functionality** | Validation that the restaurant name is searchable in the search text box. | Presents the visible restaurants near by customer | Validation that the dish name is searchable in the search text box. | Validation that matching suggestions should be shown when search items do not match any of the relevant records. | Shows the searching resturaunt and foods. | Shows the searching resturaunt and foods. | Shows the visilble items |
| 02 | **Home Page** | Validation that billing discounts should be displayed on the home page. | Presents the visible items in resturants | Validation that past orders should be shown on the home page for quick delivery. | Validation that restaurants should be shown on the home page as per distance from the delivery location. | Validation that the right delivery location should be shown | Validation that the filter and sort options on the home page. Filters options such as Cuisines and rating should be shown. Sorting of | Validation that history and donate options should be shown on the home page. |

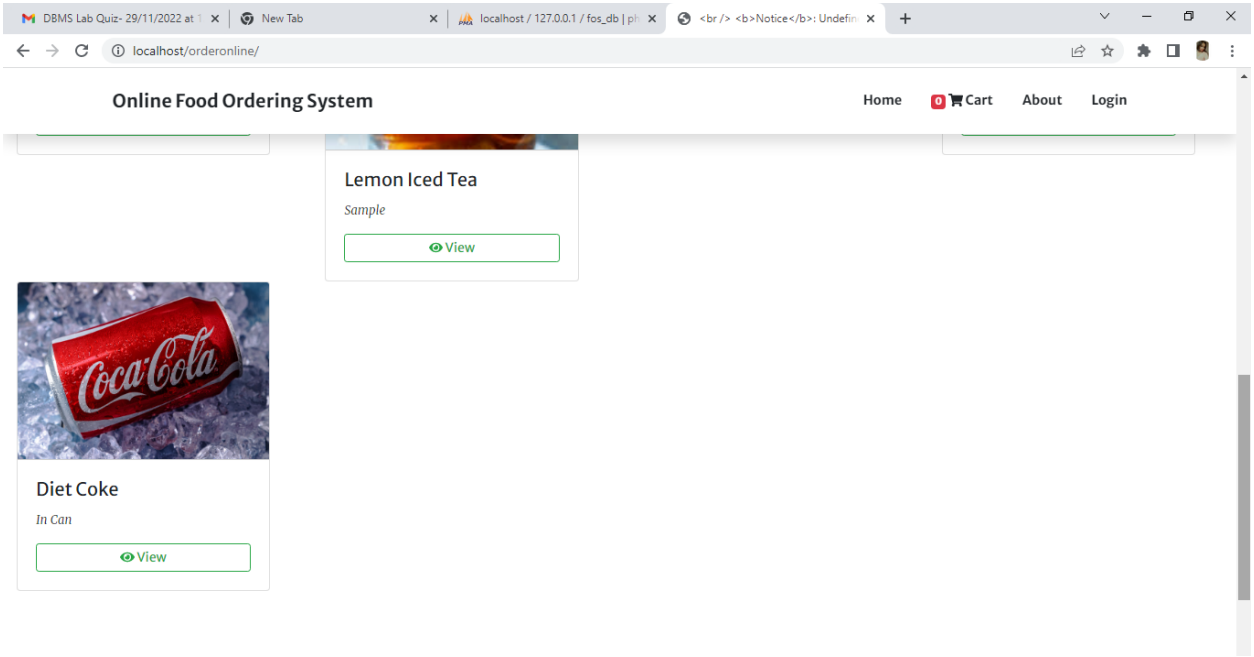
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | **Ordering Page** | Verify restaurant name and rating along with photos should be displayed clearly. | Verify reviews should be clearly shown so that people can order based on those. | Mode of delivery, approximate time of delivery, and offers should be shown clearly. | Verify add option should add the item to the cart. | Verify images should be correctly shown against the item | Verify recommended section should be displayed. | Verify recommended section should be displayed. |
| 4 | **Cart Page** | Verification that delivery location should be shown on the cart page. | Verify right items are displayed on the cart page. | Verify the option to delete the item is available. | Verify option to tip your valet should be available | Verify delivery location can be changed. | Verify pay using option should be shown. | Verify cart page can be minimized. |
| 5 | **Account Section** | Verify different account options should be shown for the user, | Verify help option should be shown In case any help is required. | Verify past orders, favorite orders, and address book can be accessed from the account section. | Verify help option should be shown In case any help is required. . | Verify different account options should be shown for the user, | Verify about, send feedback, log out options should be displayed correctly | Verify different account options should be shown for the user, |
| 6 | **Registration and Login** | Verify users can log in to a Zomato account using a mobile number. | Verify users can log in via different options such as email and password, Faceboo | Verify users can choose delivery locations upon successful registration. | Verify authentication is performed correctly when OTP is sent to the customer. | Verify users can choose delivery locations upon successful registration. | Verify authentication is performed correctly when OTP is sent to the customer. | Verify users can choose delivery locations upon successful registration. |

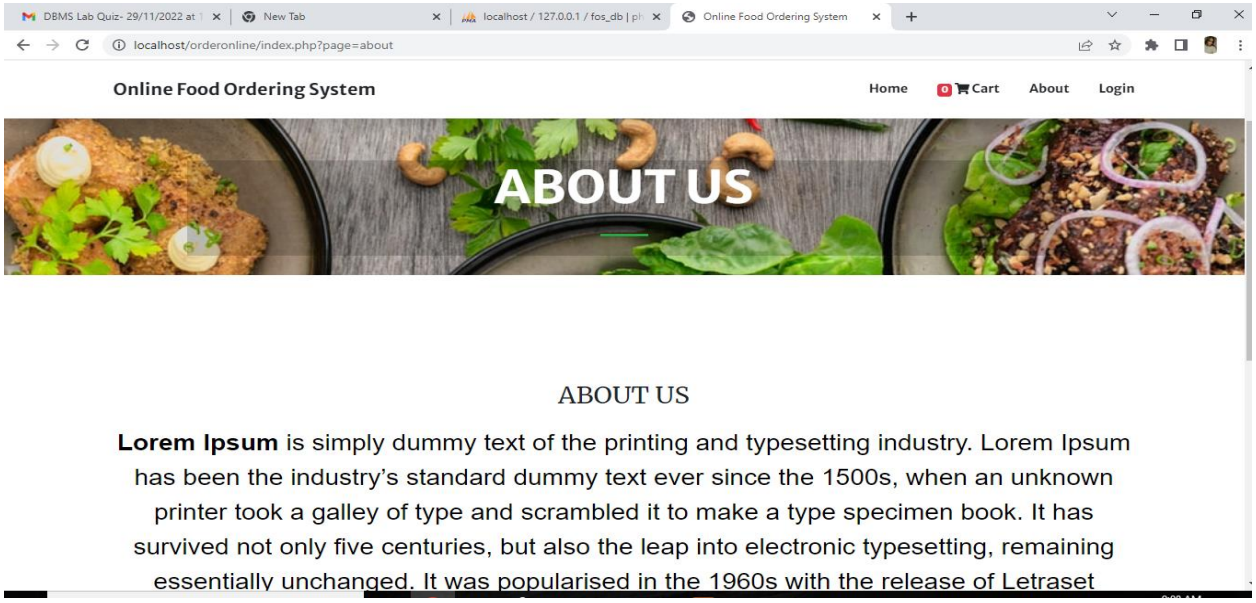
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | k, or Google sign-in | | | | | |

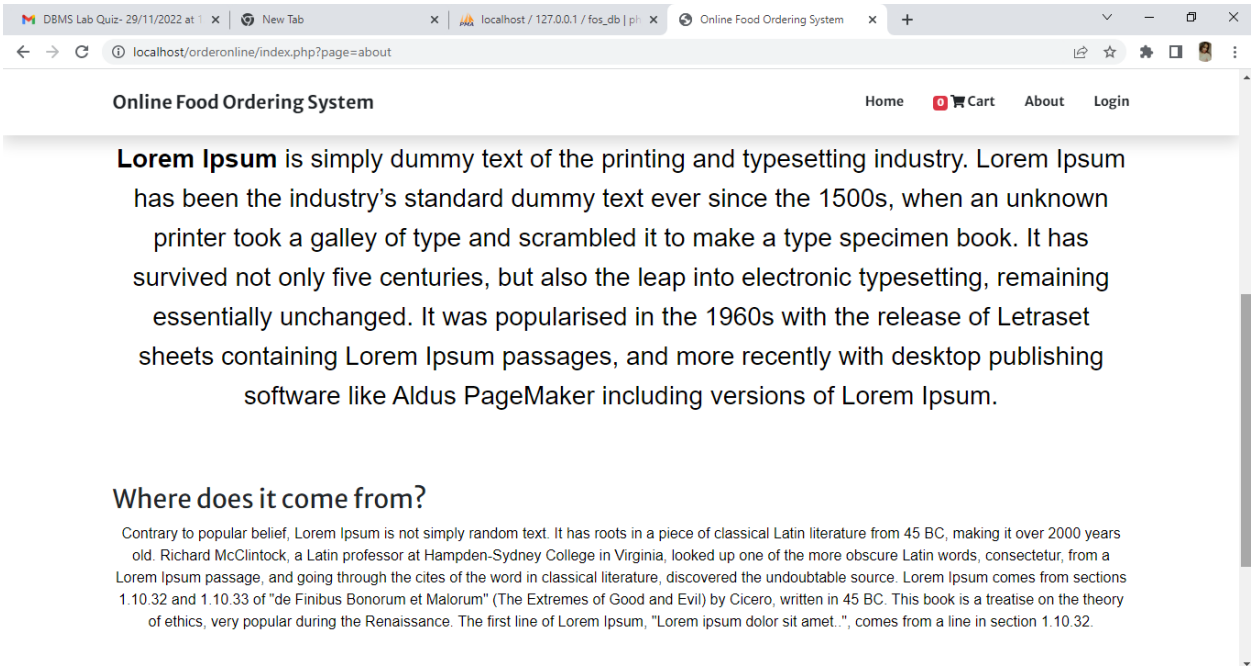
# SCREEN SHOTS:-

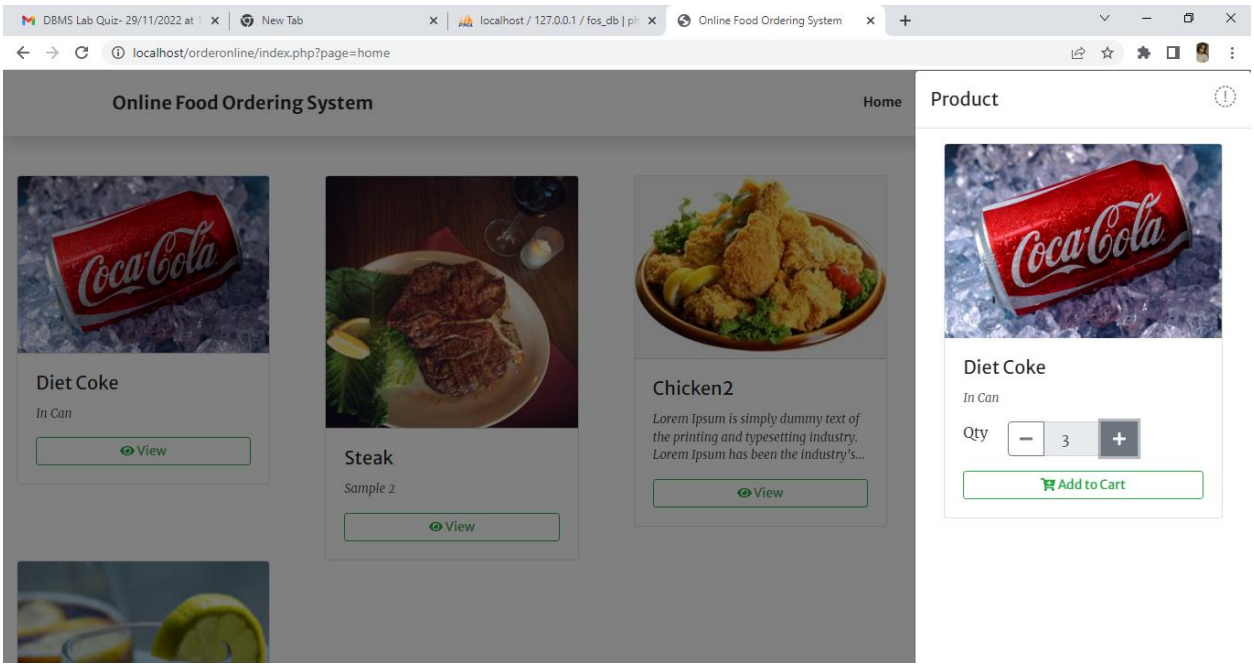


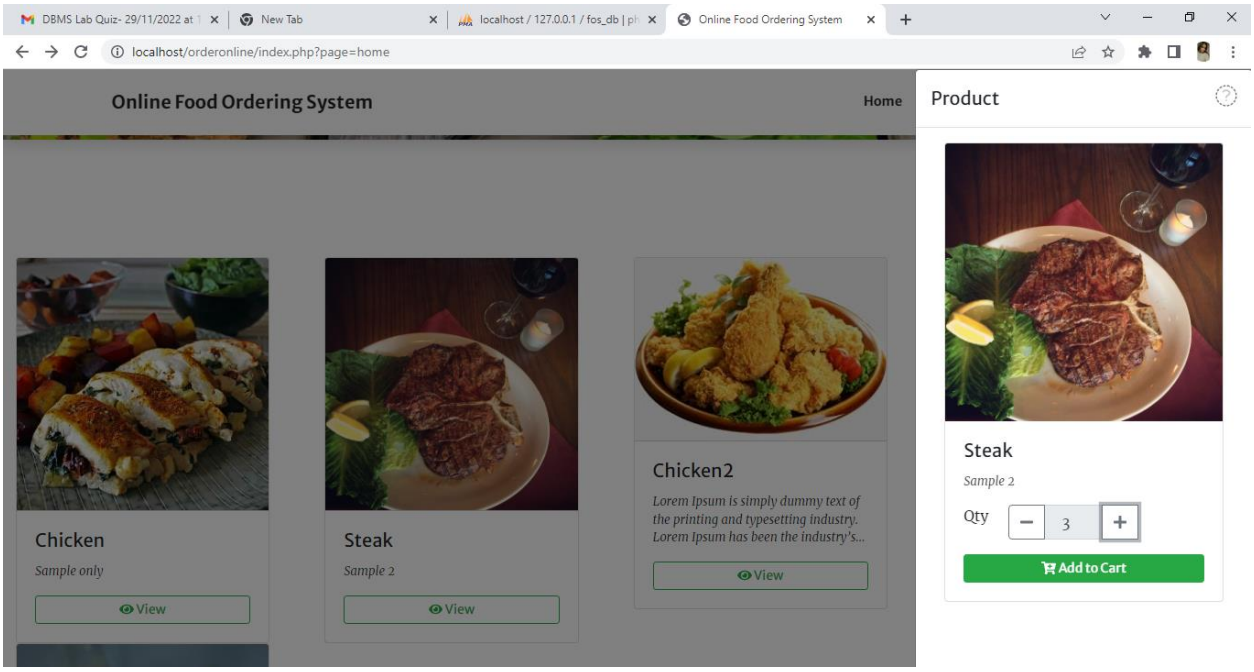



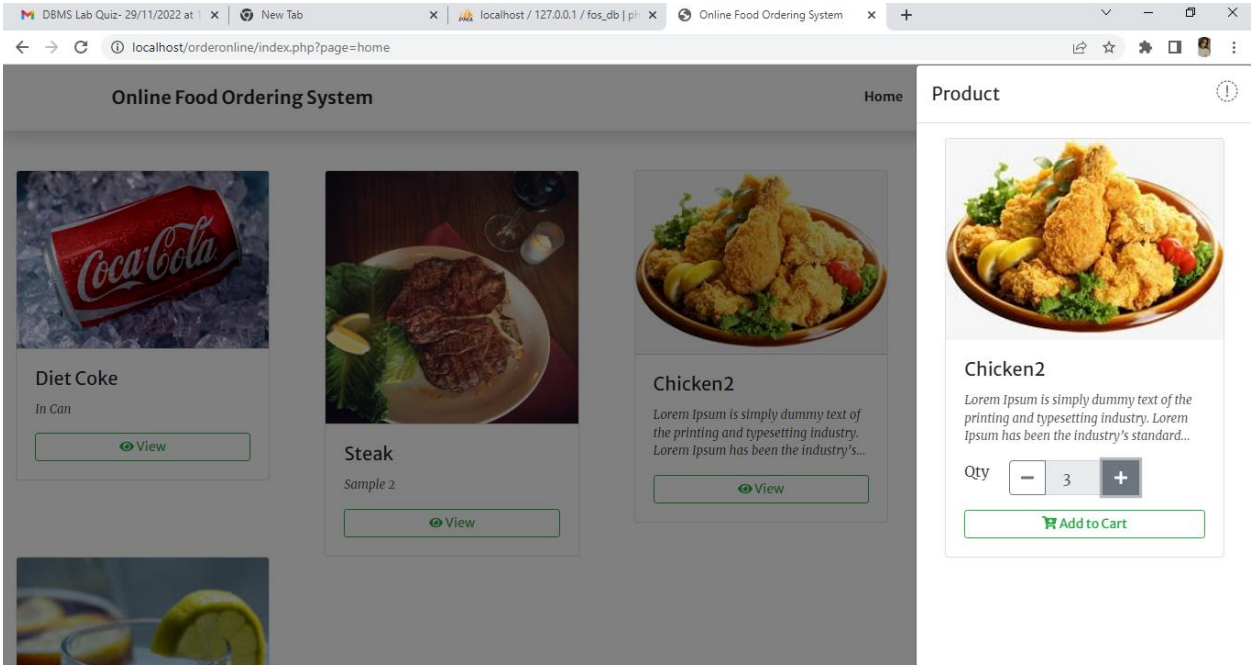

localhost/orderonline/
Online Food Ordering System
Home
Cart
About
Login
Lemon Iced Tea
Sample
View
Diet Coke
In Can
View

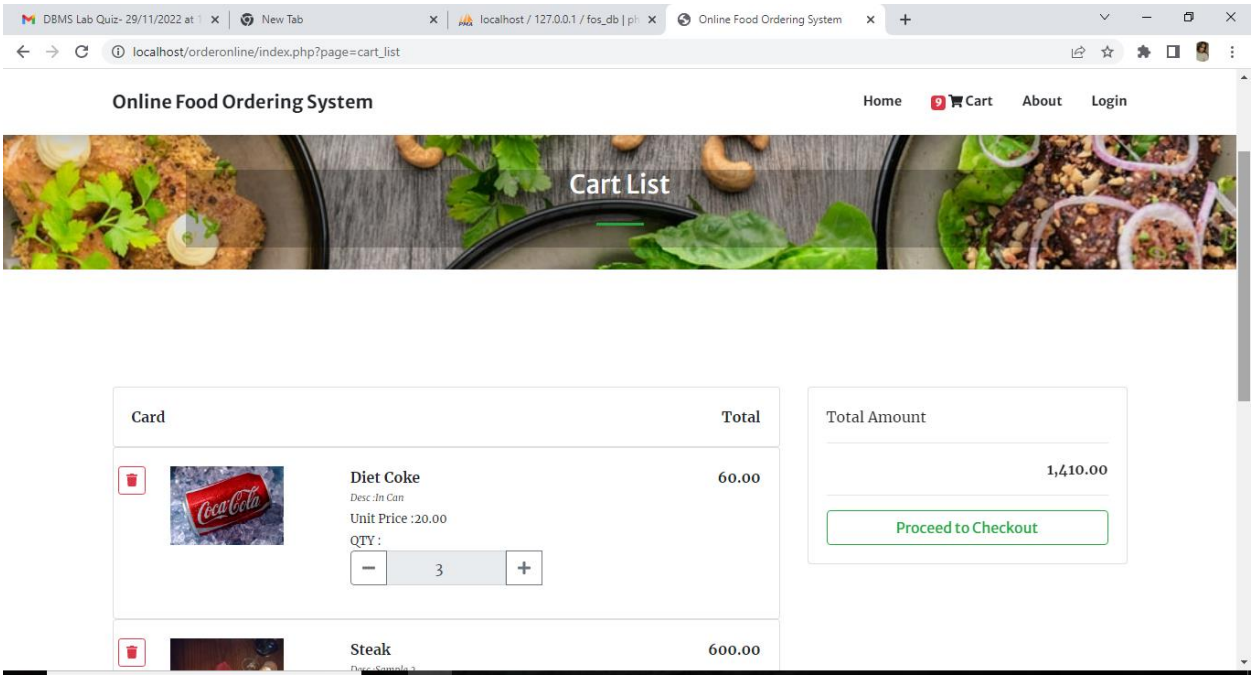

localhost/orderonline/index.php?page=about
Online Food Ordering System
Home
Cart
About
Login
ABOUT US
ABOUT US
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset

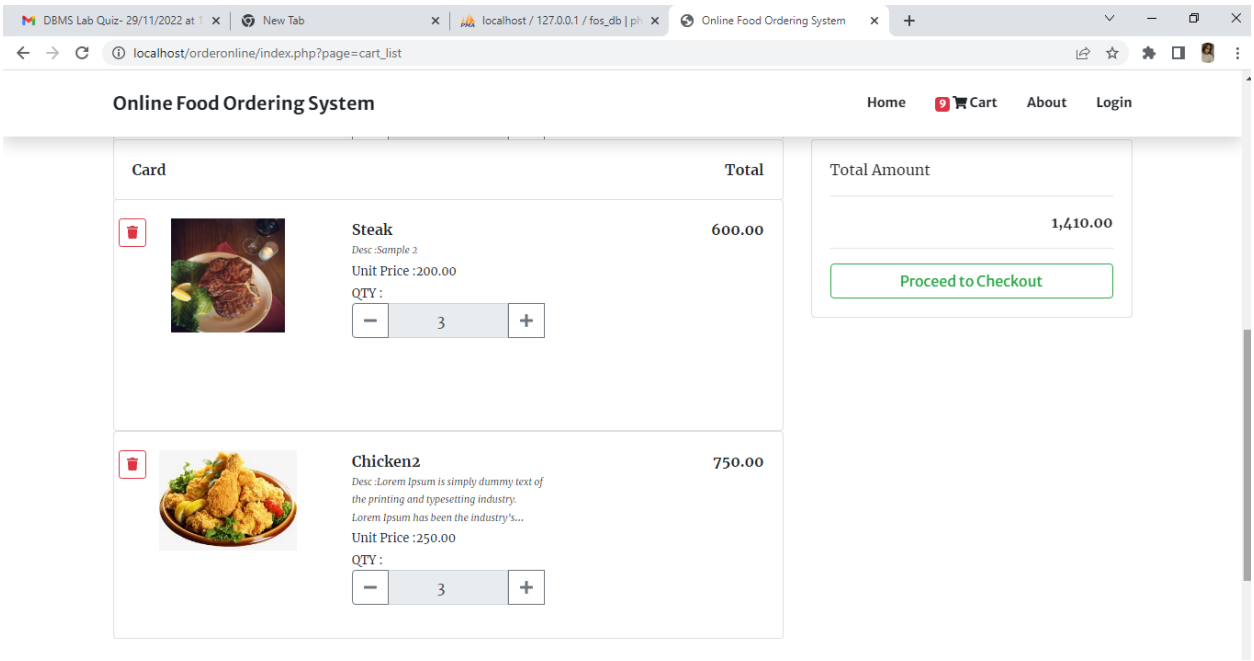

DBMS Lab Quiz- 29/11/2022 at
New Tab
localhost / 127.0.0.1 / fos_db |
Online Food Ordering System
localhost/orderonline/index.php?page=about
Online Food Ordering System
Home
Cart
About
Login
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.
Where does it come from?
Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

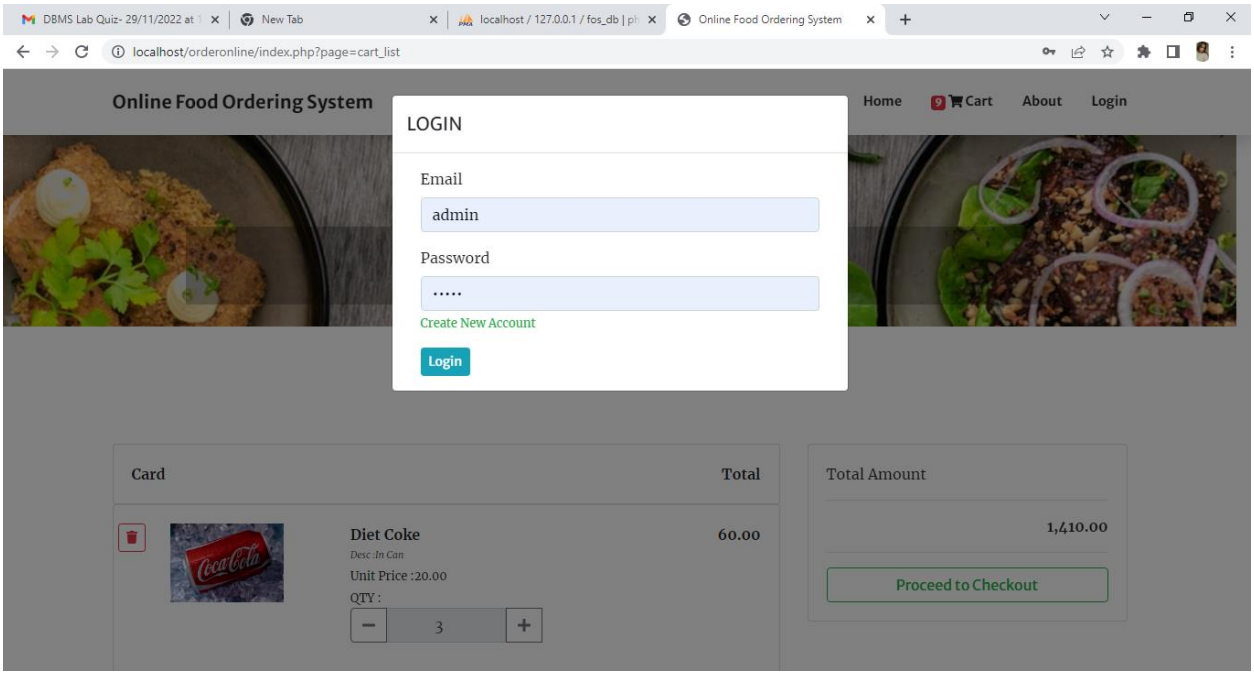

DBMS Lab Quiz- 29/11/2022 at
New Tab
localhost / 127.0.0.1 / fos_db |
Online Food Ordering System
localhost/orderonline/index.php?page=home
Online Food Ordering System
Home
Diet Coke
In Can
View
Steak
Sample 2
View
Chicken2
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's...
View
Product
Diet Coke
In Can
Qty
3
Add to Cart

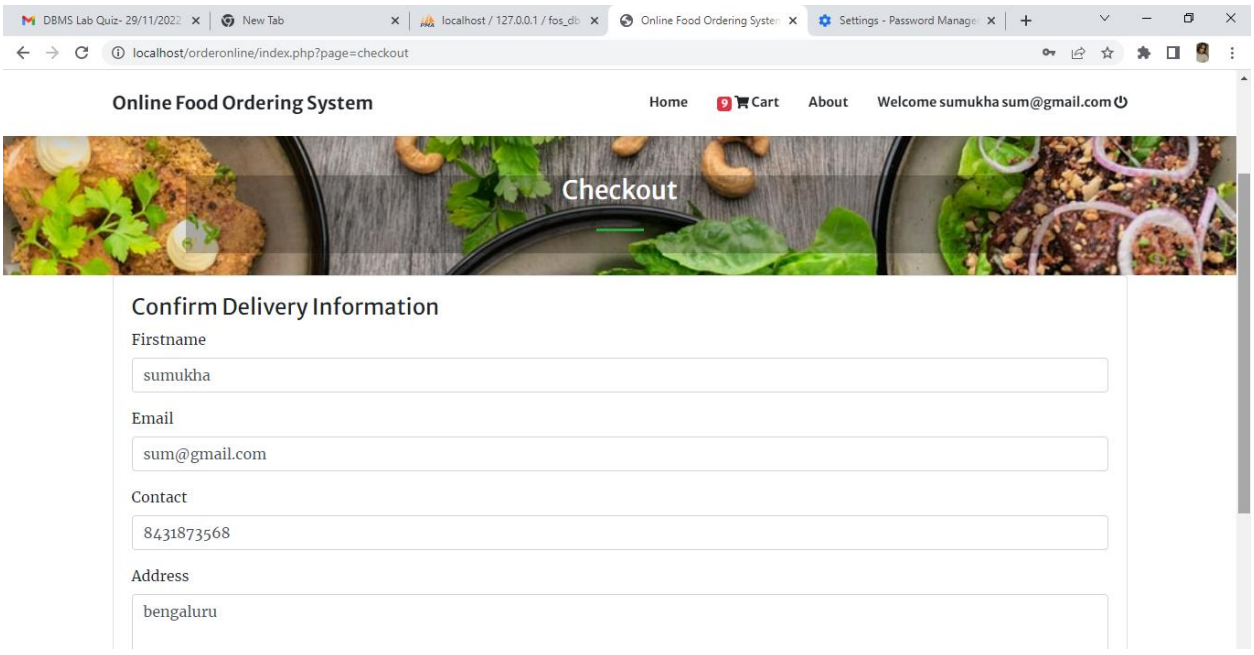

DBMS Lab Quiz- 29/11/2022 at
New Tab
localhost / 127.0.0.1 / fos_db | ph
Online Food Ordering System
localhost/orderonline/index.php?page=home
Online Food Ordering System
Home
Product
Chicken
Sample only
View
Steak
Sample 2
View
Chicken2
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's...
View
Steak
Sample 2
Qty
3
Add to Cart

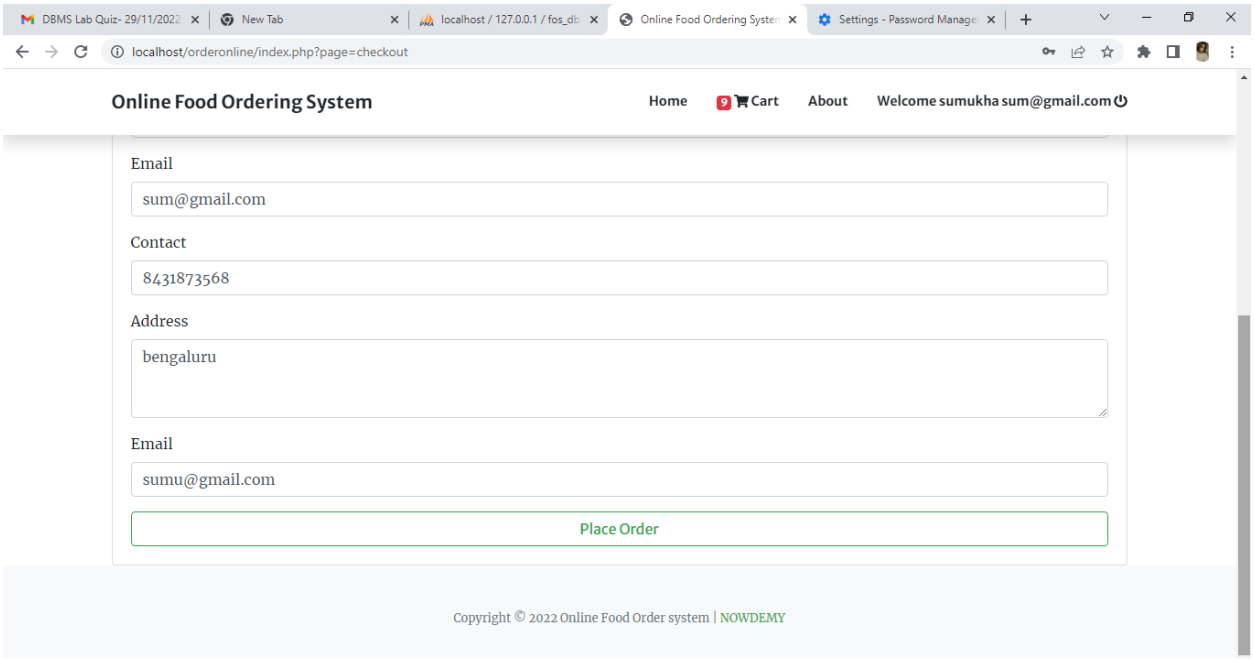

DBMS Lab Quiz- 29/11/2022 at
New Tab
localhost / 127.0.0.1 / fos_db | ph
Online Food Ordering System
localhost/orderonline/index.php?page=home
Online Food Ordering System
Home
Product
Diet Coke
In Can
View
Steak
Sample 2
View
Chicken2
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's...
View
Chicken2
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard...
Qty
3
Add to Cart

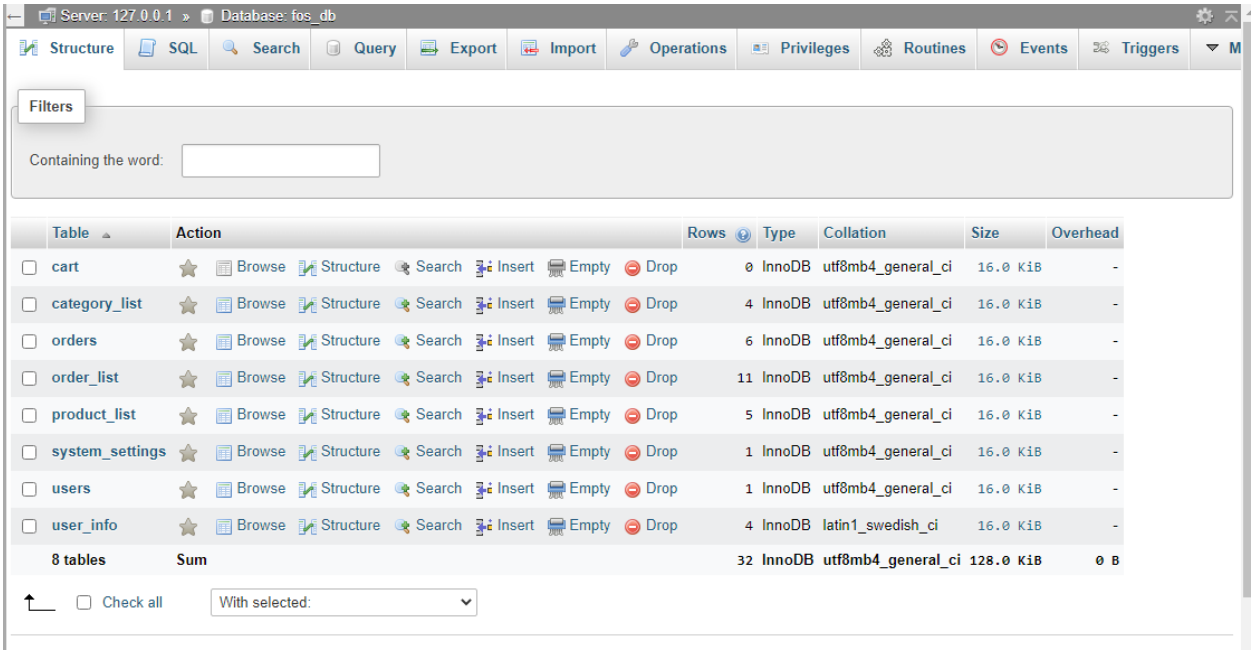

DBMS Lab Quiz- 29/11/2022 at
New Tab
localhost / 127.0.0.1 / fos_db | ph
Online Food Ordering System
localhost/orderonline/index.php?page=cart_list
Online Food Ordering System
Home
Cart
About
Login
Cart List
Card
Total
Diet Coke
Desc :In Can
Unit Price :20.00
QTY :
3
60.00
Steak
600.00
Total Amount
1,410.00
Proceed to Checkout

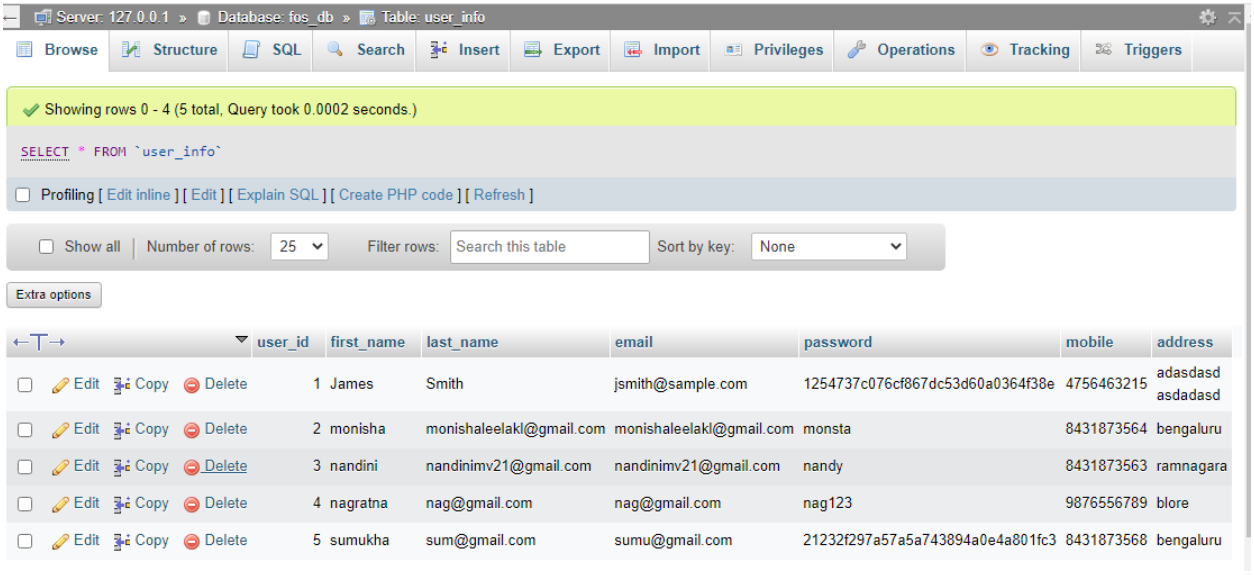

DBMS Lab Quiz- 29/11/2022 at
New Tab
localhost / 127.0.0.1 / fos_db | ph
Online Food Ordering System
localhost/orderonline/index.php?page=cart_list
Online Food Ordering System
Home
Cart
About
Login
Card
Total
Steak
Desc :Sample 2
Unit Price :200.00
QTY :
3
600.00
Chicken2
Desc :Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's...
Unit Price :250.00
QTY :
3
750.00
Total Amount
1,410.00
Proceed to Checkout


localhost/orderonline/index.php?page=cart_list
Online Food Ordering System
Home
Cart
About
Login
LOGIN
Email
admin
Password
.....
Create New Account
Login
Card
Total
Diet Coke
Desc :In Can
Unit Price :20.00
QTY :
3
60.00
Total Amount
1,410.00
Proceed to Checkout


localhost/orderonline/index.php?page=checkout
Online Food Ordering System
Home
Cart
About
Welcome sumukha sum@gmail.com
Checkout
Confirm Delivery Information
Firstname
sumukha
Email
sum@gmail.com
Contact
8431873568
Address
bengaluru


DBMS Lab Quiz- 29/11/2022
New Tab
localhost / 127.0.0.1 / fos_db
Online Food Ordering Syster
Settings - Password Manage
localhost/orderonline/index.php?page=checkout
Online Food Ordering System
Home
9 Cart
About
Welcome sumukha sum@gmail.com
Email
sum@gmail.com
Contact
8431873568
Address
bengaluru
Email
sumu@gmail.com
Place Order
Copyright © 2022 Online Food Order system | NOWDEMY


Server: 127.0.0.1 » Database: fos_db
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Triggers
Filters
Containing the word:
Table
Action
Rows
Type
Collation
Size
Overhead
cart Browse Structure Search Insert Empty Drop 0 InnoDB utf8mb4_general_ci 16.0 KiB -
category_list Browse Structure Search Insert Empty Drop 4 InnoDB utf8mb4_general_ci 16.0 KiB -
orders Browse Structure Search Insert Empty Drop 6 InnoDB utf8mb4_general_ci 16.0 KiB -
order_list Browse Structure Search Insert Empty Drop 11 InnoDB utf8mb4_general_ci 16.0 KiB -
product_list Browse Structure Search Insert Empty Drop 5 InnoDB utf8mb4_general_ci 16.0 KiB -
system_settings Browse Structure Search Insert Empty Drop 1 InnoDB utf8mb4_general_ci 16.0 KiB -
users Browse Structure Search Insert Empty Drop 1 InnoDB utf8mb4_general_ci 16.0 KiB -
user_info Browse Structure Search Insert Empty Drop 4 InnoDB latin1_swedish_ci 16.0 KiB -
8 tables Sum 32 InnoDB utf8mb4_general_ci 128.0 KiB 0 B
Check all
With selected:


Server: 127.0.0.1 » Database: fos_db » Table: user_info
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 4 (5 total, Query took 0.0002 seconds.)
SELECT * FROM `user_info`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
user_id first_name last_name email password mobile address
Edit Copy Delete 1 James Smith jsmith@sample.com 1254737c076cf867dc53d60a0364f38e 4756463215 adasdasd asdadasd
Edit Copy Delete 2 monisha monishaleelakl@gmail.com monishaleelakl@gmail.com monsta 8431873564 bengaluru
Edit Copy Delete 3 nandini nandinimv21@gmail.com nandinimv21@gmail.com nandy 8431873563 ramnagara
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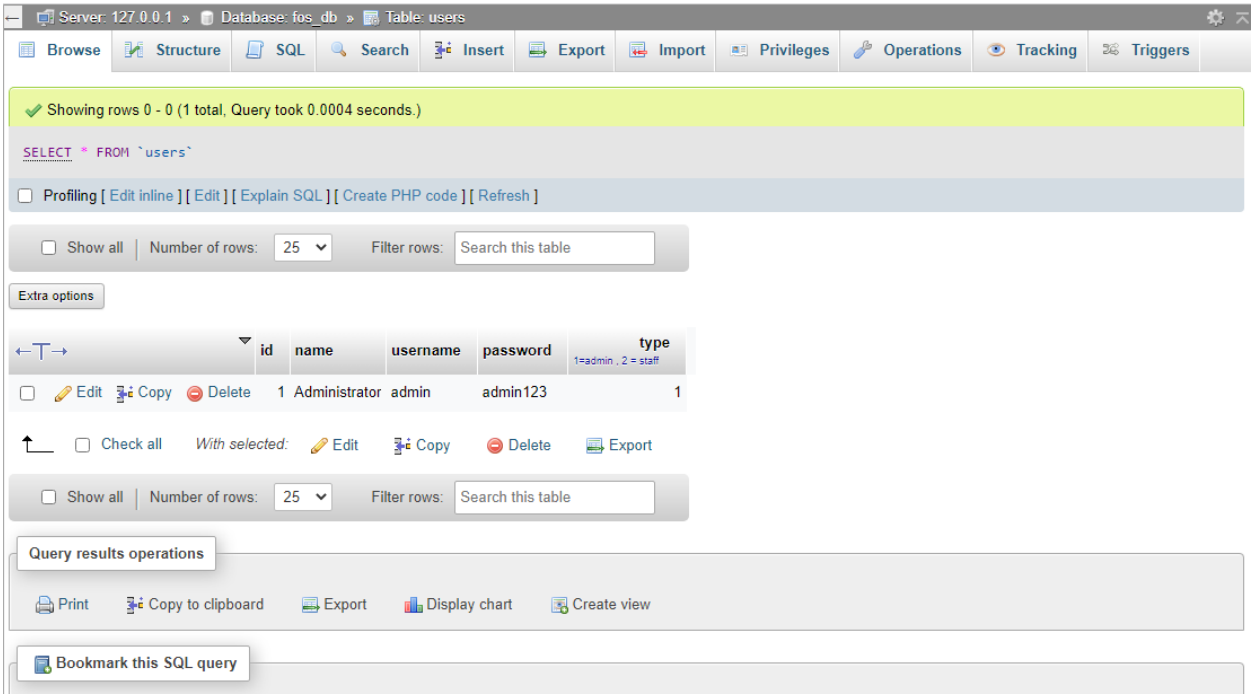
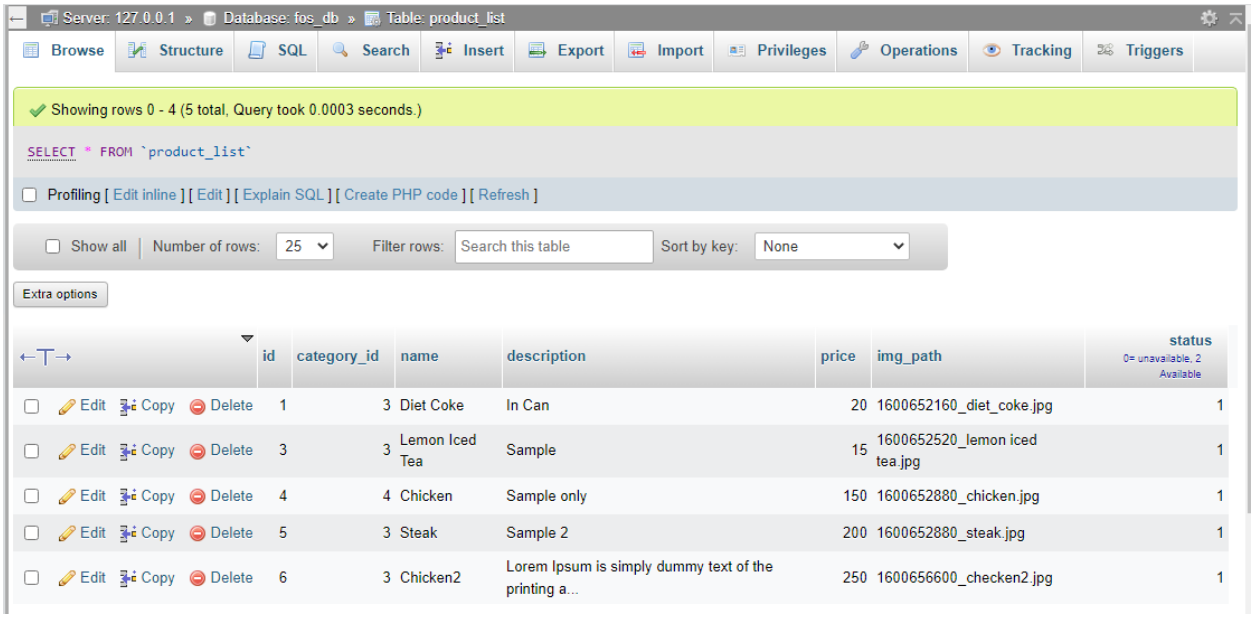
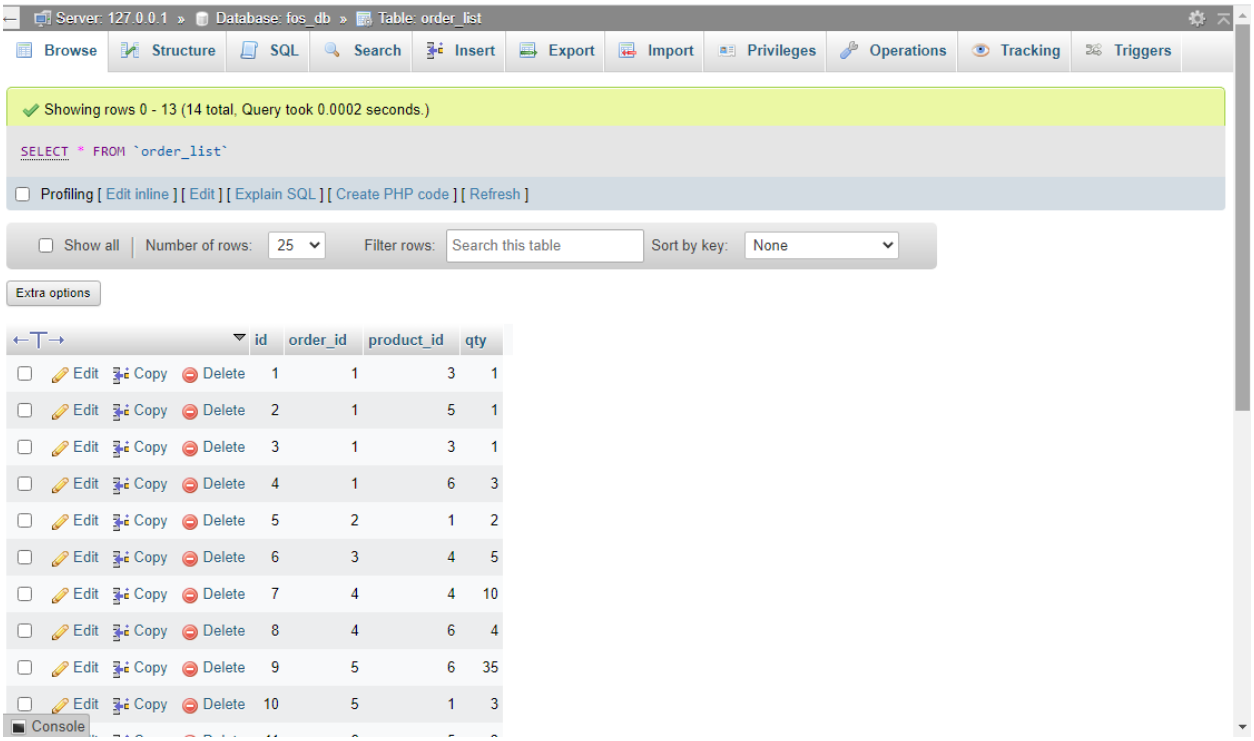
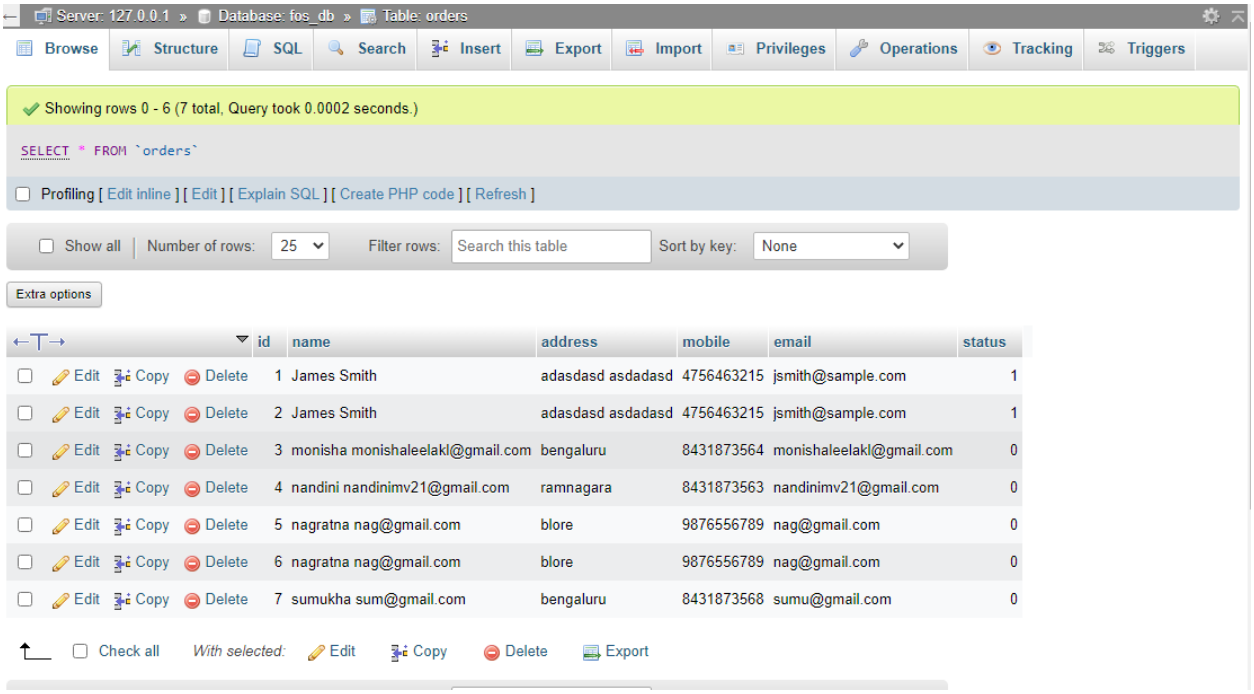
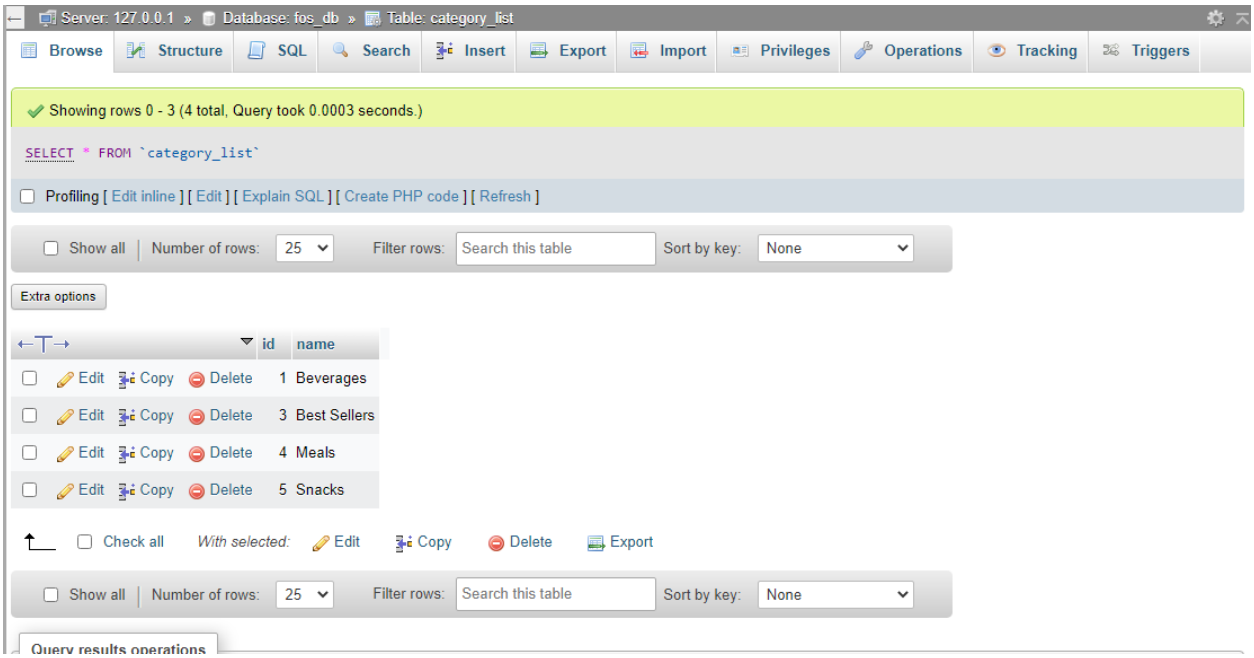
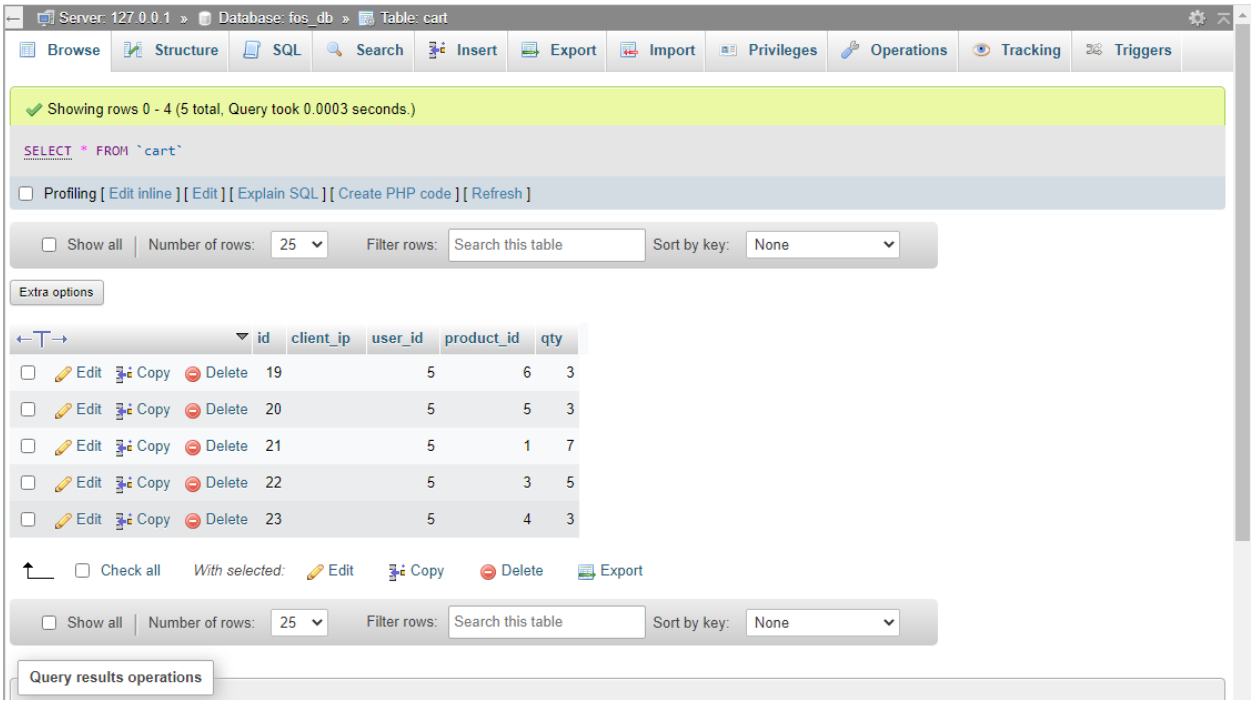

Server: 127.0.0.1 » Database: fos_db » Table: users
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)
SELECT * FROM `users`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table
Extra options
id name username password type 1=admin , 2 = staff
Edit Copy Delete 1 Administrator admin admin123 1
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query


Server: 127.0.0.1 » Database: fos_db » Table: product_list
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)
SELECT * FROM `product_list`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
id category_id name description price img_path status 0= unavailable, 2 Available
Edit Copy Delete 1 3 Diet Coke In Can 20 1600652160_diet_coke.jpg 1
Edit Copy Delete 3 3 Lemon Iced Tea Sample 15 1600652520_lemon iced tea.jpg 1
Edit Copy Delete 4 4 Chicken Sample only 150 1600652880_chicken.jpg 1
Edit Copy Delete 5 3 Steak Sample 2 200 1600652880_steak.jpg 1
Edit Copy Delete 6 3 Chicken2 Lorem Ipsum is simply dummy text of the printing a... 250 1600656600_checken2.jpg 1


Server: 127.0.0.1 » Database: fos_db » Table: order_list
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 13 (14 total, Query took 0.0002 seconds.)
SELECT * FROM `order_list`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
id order_id product_id qty
Edit Copy Delete 1 1 3 1
Edit Copy Delete 2 1 5 1
Edit Copy Delete 3 1 3 1
Edit Copy Delete 4 1 6 3
Edit Copy Delete 5 2 1 2
Edit Copy Delete 6 3 4 5
Edit Copy Delete 7 4 4 10
Edit Copy Delete 8 4 6 4
Edit Copy Delete 9 5 6 35
Edit Copy Delete 10 5 1 3
Console


Server: 127.0.0.1 » Database: fos_db » Table: orders
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 6 (7 total, Query took 0.0002 seconds.)
SELECT * FROM `orders`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
id name address mobile email status
Edit Copy Delete 1 James Smith adasdasd asdadasd 4756463215 jsmith@sample.com 1
Edit Copy Delete 2 James Smith adasdasd asdadasd 4756463215 jsmith@sample.com 1
Edit Copy Delete 3 monisha monishaleelakl@gmail.com bengaluru 8431873564 monishaleelakl@gmail.com 0
Edit Copy Delete 4 nandini nandinimv21@gmail.com ramnagara 8431873563 nandinimv21@gmail.com 0
Edit Copy Delete 5 nagratna nag@gmail.com blore 9876556789 nag@gmail.com 0
Edit Copy Delete 6 nagratna nag@gmail.com blore 9876556789 nag@gmail.com 0
Edit Copy Delete 7 sumukha sum@gmail.com bengaluru 8431873568 sumu@gmail.com 0
Check all With selected: Edit Copy Delete Export


Server: 127.0.0.1 » Database: fos_db » Table: category_list
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)
SELECT * FROM `category_list`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
id name
Edit Copy Delete 1 Beverages
Edit Copy Delete 3 Best Sellers
Edit Copy Delete 4 Meals
Edit Copy Delete 5 Snacks
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations


Server: 127.0.0.1 » Database: fos_db » Table: cart
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)
SELECT * FROM `cart`
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
id client_ip user_id product_id qty
Edit Copy Delete 19 5 6 3
Edit Copy Delete 20 5 5 3
Edit Copy Delete 21 5 1 7
Edit Copy Delete 22 5 3 5
Edit Copy Delete 23 5 4 3
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations