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INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE



**Documentation on**

**Dairy Delight**

**“Online Milk Product E-Commerce Store”**

**PG-DAC Sept 2022**

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**ABSTRACT**

This project is a web-based shopping system for an existing shop. The project objective is to deliver the online shopping application into web platform.

This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using a website device. Thus, the customer will get the service of online shopping and home delivery from his favourite shop. This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains.

If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won’t be losing any more customers to the trending online shops such as Flipkart or e-bay. Since this application is available in the Smartphone it is easily accessible and always available

**ACKNOWLEDGEMENT**

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavour to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, **Mrs. Rupali Thorat** for providing me with the right guidance and advice at the crucial juncture sand for showing me the right way. I extend my sincere thanks to our respected **Centre Co-Ordinator** **Mr. Rohit Puranik** for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

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**INTRODUCTION**

This project is a web-based shopping system for an existing shop. An Online dairy Product Shopping Management System where the Admin can Add, Update and Delete products. The Products are divided into various categories like Milk, Butter, Paneer, etc. A user can select a particular item to view the details, choose the number of items and fill in details like name etc. to buy a product. The project objective is to deliver the online shopping application into web platform. Online shopping is the process where consumers directly buy products or services from a seller in real- time, without an intermediary service, over the Internet. It is a form of Ecommerce. This project is attempts provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus, the customer will get the service of online shopping and home delivery from his favourite shop.

The objective of the project is to make an application in android platform to purchase items in an existing shop. In order to build such an application complete web support, need to be provided. A complete and efficient web application which can provide the online shopping experience is the basic objective of the project. The web application can be implemented in the form of an android application with web view.

**Features**:-

1. Products Available- Milk, Paneer, Butter, Lassi.

2. Search for Products (Milk, Butter) products easily

3. Category of products- Milk, Butter, Paneer, Lassi,

4. Cart feature

5. Date and time of product delivery will be notified by the system

6. The admin can add/delete Products.

7. Allows the customers to Order items.

* 1. **PROJECT OBJECTIVE**

The objective of the project is to make an application in android platform to purchase items in an existing shop. In order to build such an application complete web support, need to be provided. A complete and efficient web application which can provide the online shopping experience is the basic objective of the project. The web application can be implemented in the form of an android application with web view.

* 1. **PROJECT** **OVERVIEW**

The central concept of the application is to allow the customer to shop virtually using the internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stores on an RDBMS at the server side (store).

The server processes the customers, and the items are shipped to the address submitted by them. The application was designed into two modules first is for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the information pertaining to the articles and those of this product is a departmental store where the application is hosted on the web and the administrator maintains the database. The application, which is deploy the customer database, the details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction. Data entry into the application can be done through various screens designed for various levels of users. Once the authorized personal feed the relevant data into the system, several reports could be generated as per the security.

* 1. **PROJECT SCOPE**

This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains. The system recommends a facility to accept the orders 24X7 and a home delivery system which can make customers happy. If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won’t be losing any more customers to the trending online shops such as FlipKart or eBay. Since the application is available and always available.

* 1. **STUDY OF THE SYSTEM**
     1. **MODULES**

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are:

➢ Administrator

➢ Shopping Cart

➢ Users

➢ Order

* + - 1. Administrator:

The administrator is the super user of this application. Only admin have access into this admin page. Admin may be the owner of the shop. The administrator has all the information about the users and about all products.

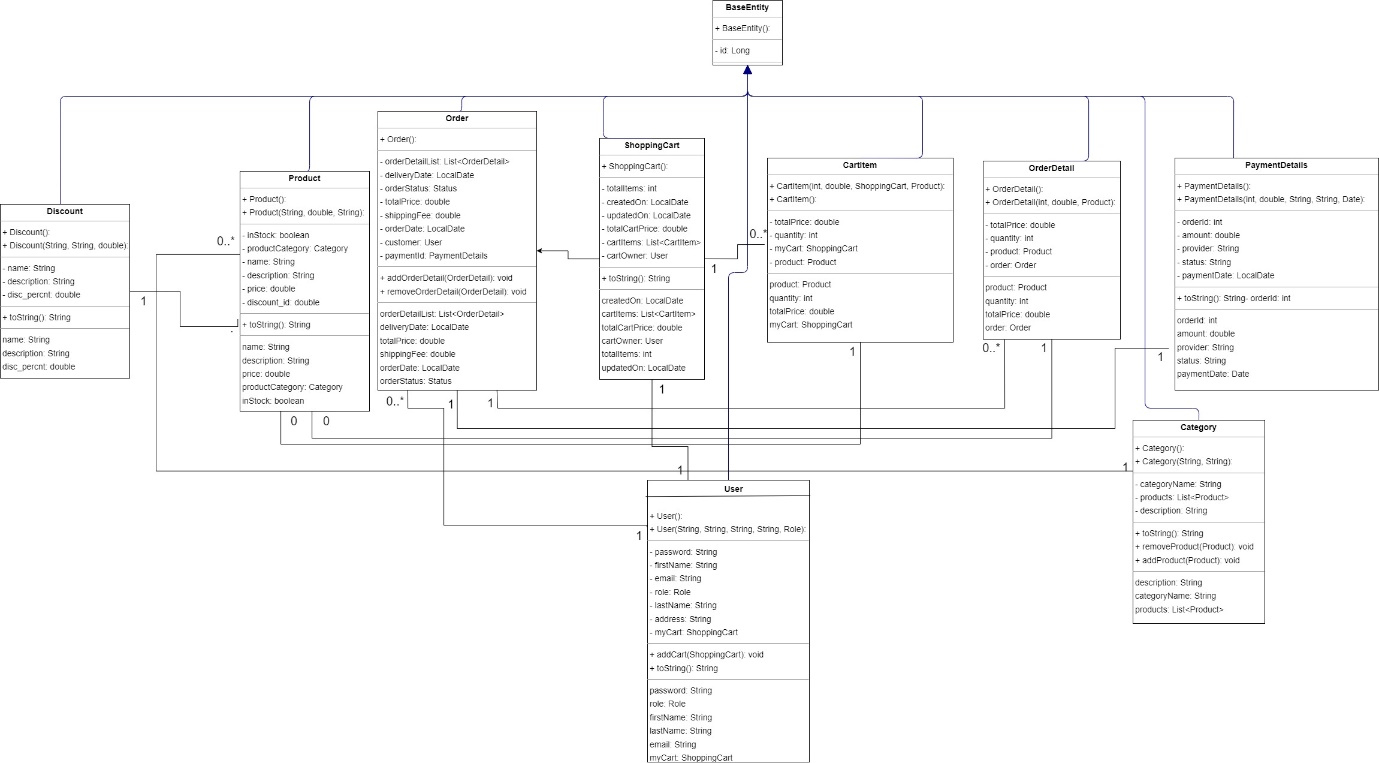
This module is divided into different sub modules.

1. Manage Users

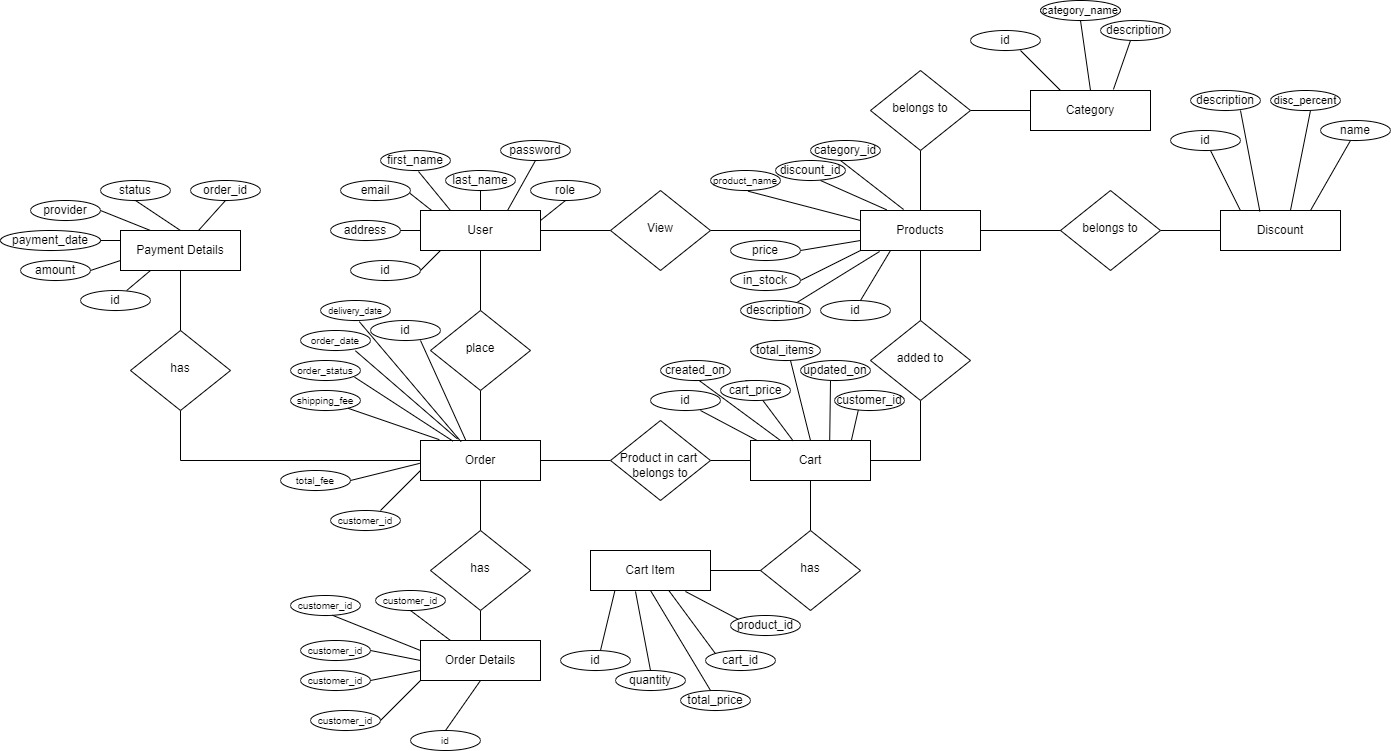
2. Manage Products

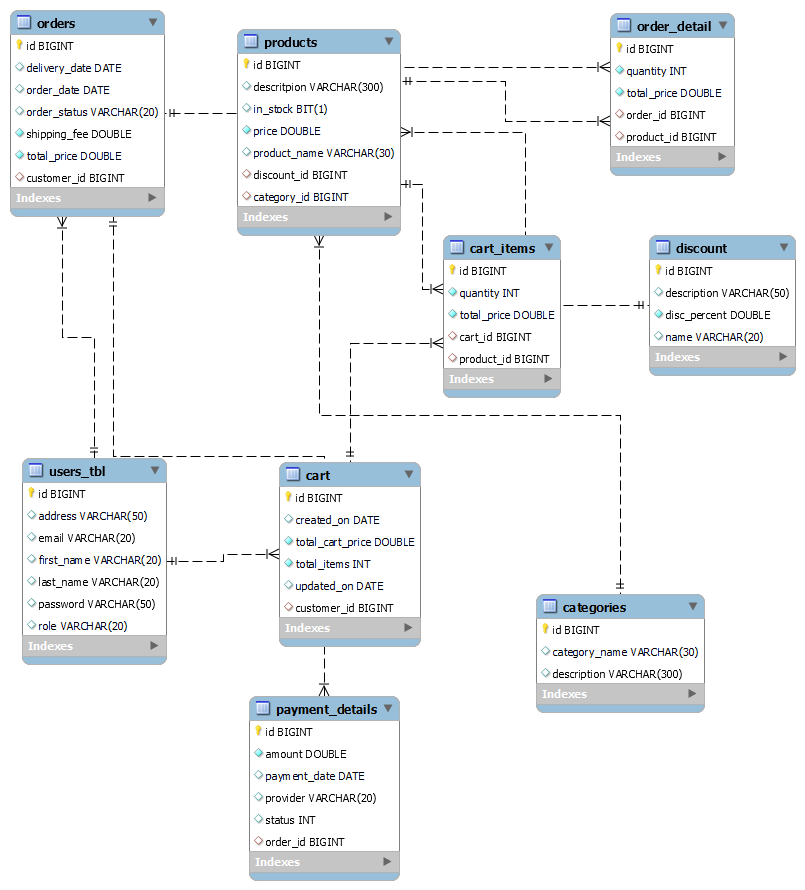
3. Manage Orders

**Class Diagram**



**E-R Diagram**





**➢ Add Products**

The shopping cart contains different kinds of products of different category. The products

can be classified into different categories by name. Admin can add new products into the

existing system with all its details including an image.

**➢ Delete Products**

Administrator can delete the products based on the stock of that particular product.

**➢ Search Products**

Admin will have a list view of all the existing products. He can also search for a

particular product by name.

**➢ Search Product**

Only admin is having the privilege to add a supplier. He can search the product to

manage the product.

➢ Edit Product

Supplier can edit his added product.

➢ Payments

Supplier can see payment details of the ordered product by the customer.

➢ Customer sign in, sign out, create account

This feature is provided to customer so he can sign in, sign out and create account

for new customer.

➢ Search Product

Customer can search the product as per his wish in specific category.

➢ Add to Cart

Customer can add products to cart which he wants to buy the products.

➢ Payments

Customer have a privilege to his order he can see his order details.

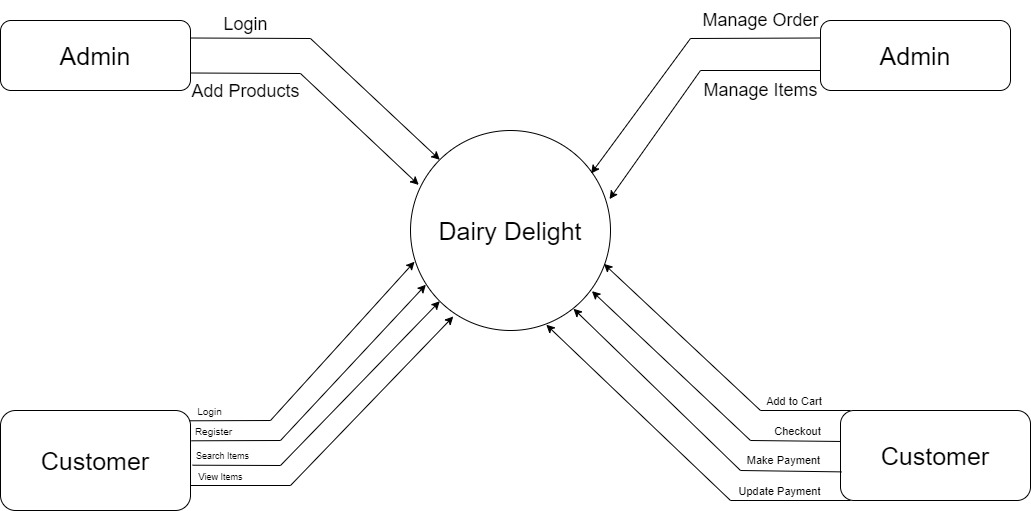
➢ Order Details

Customer have a privilege to his order he can see his order details.

➢ Buy Product

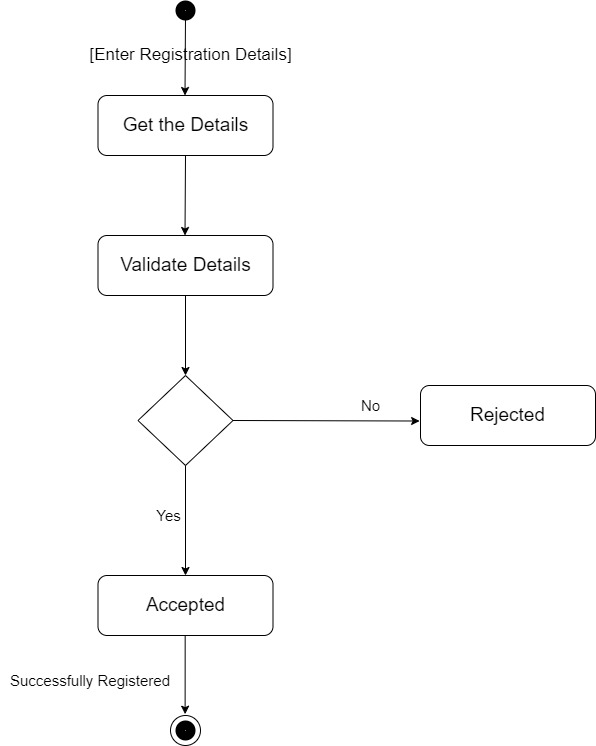
Customers can buy product from his cart by doing payment.

**0th Level DFD**

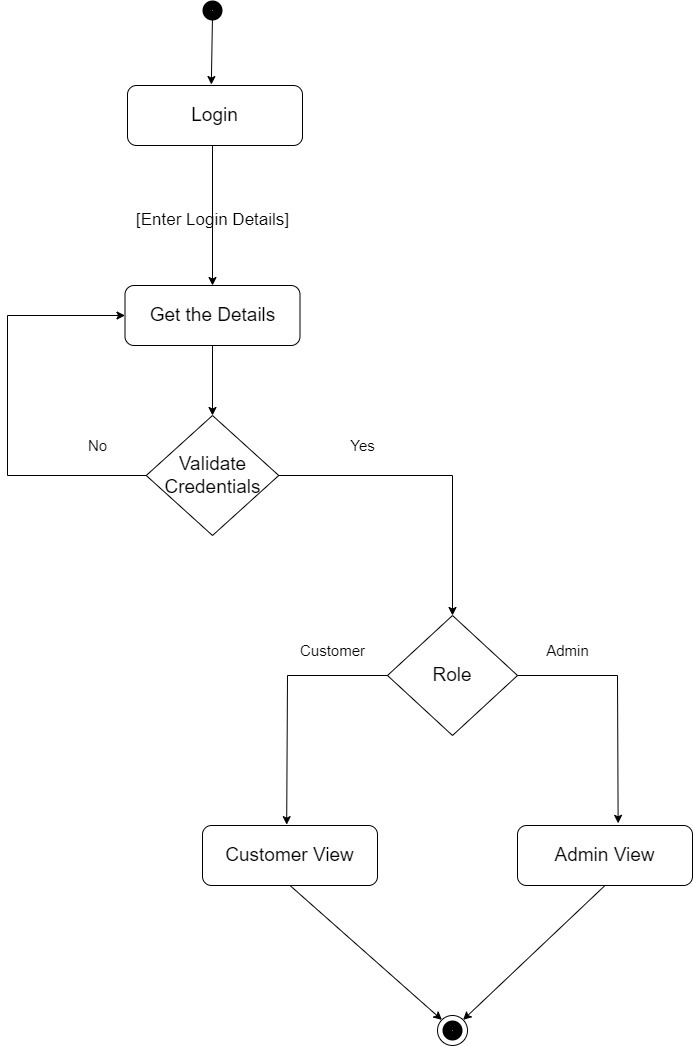


**Activity Diagrams:-**

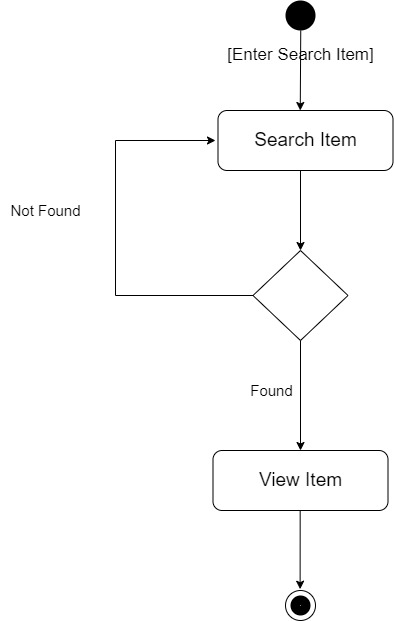
**Registration Activity Diagram**



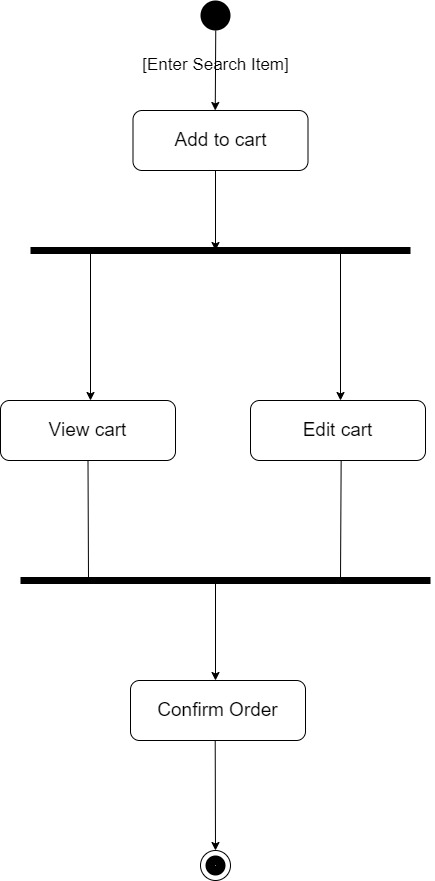
**Login Activity Diagram**



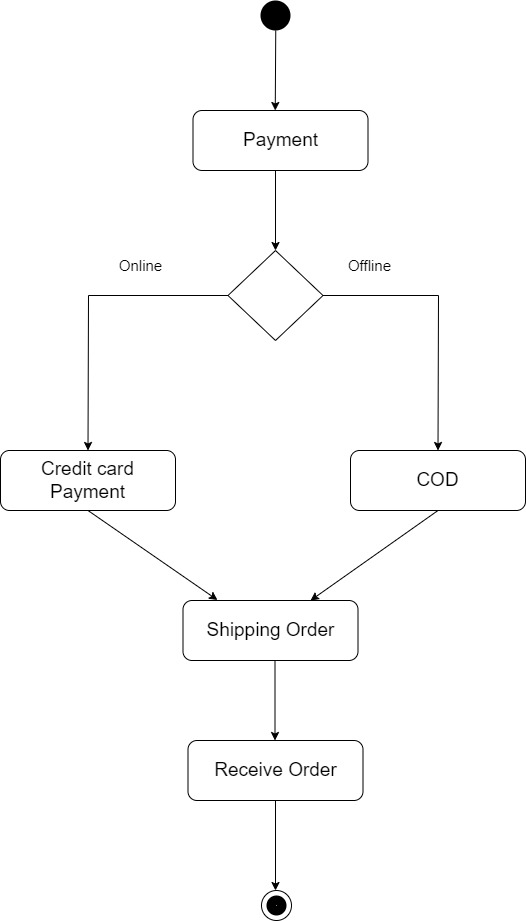
**Search Item Activity Diagram**



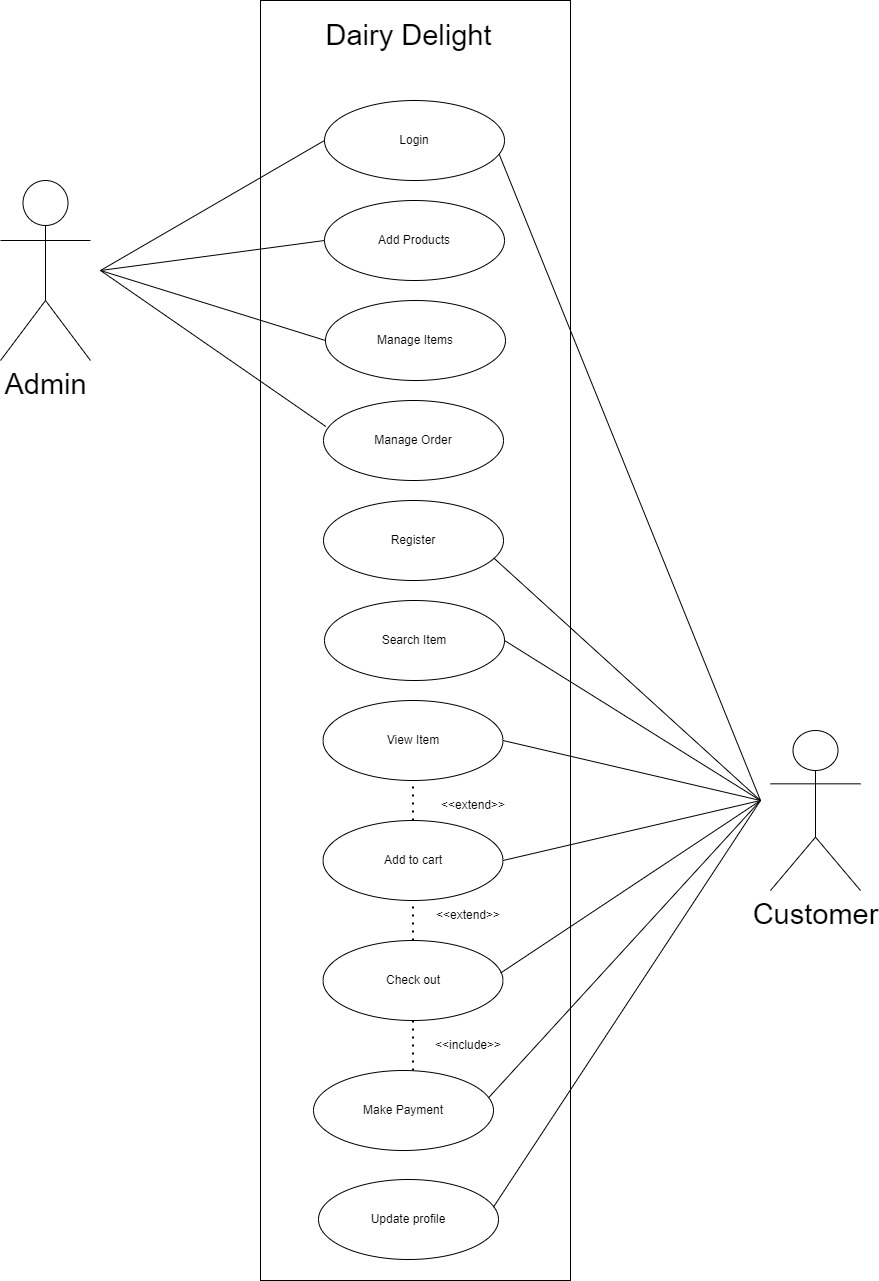
**Add to cart Activity Diagram**



**Payment Activity Diagram**



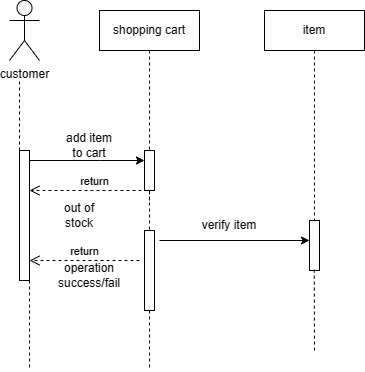
**UseCase Diagram**

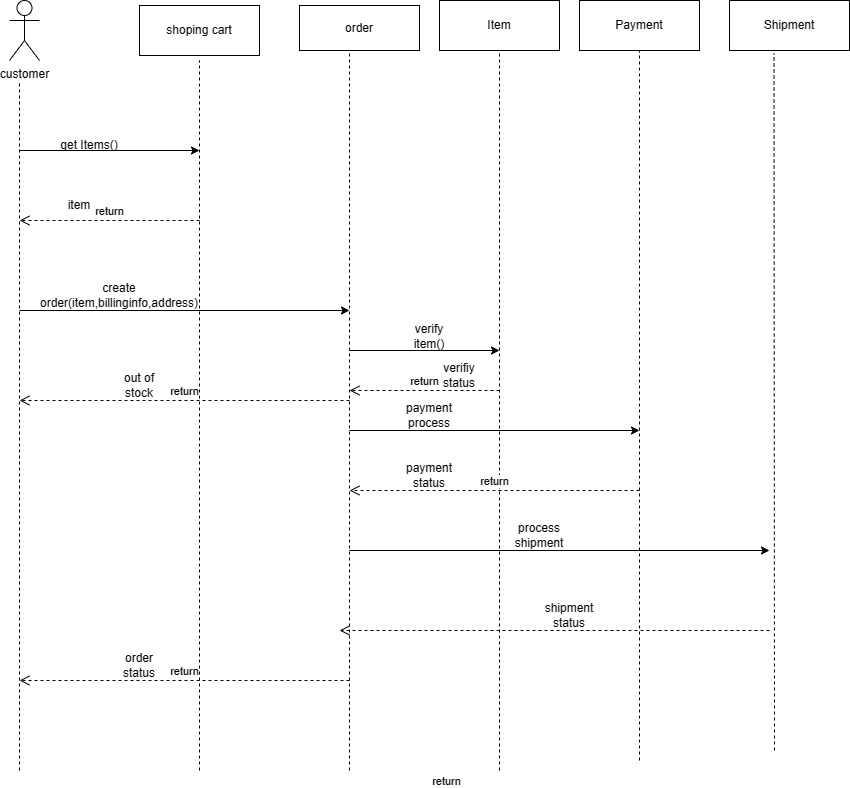


**Sequence Diagram:**

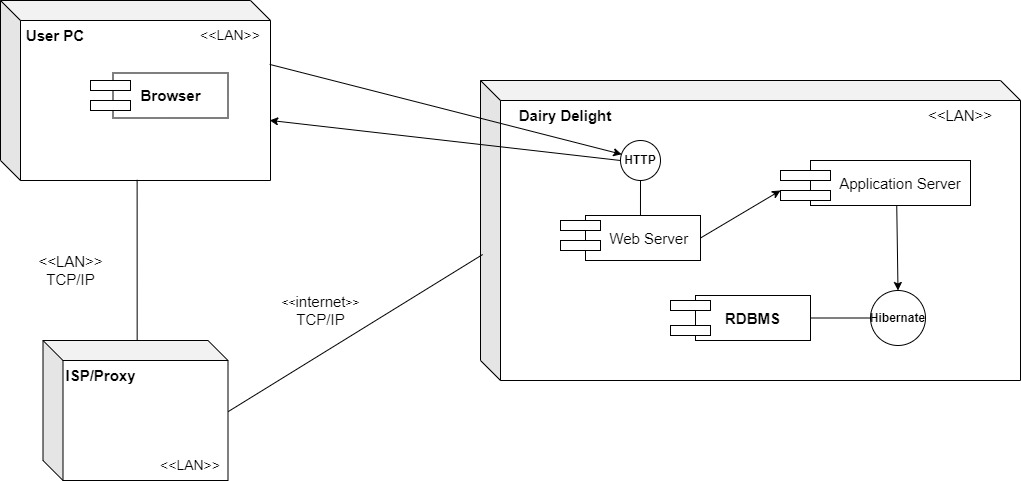
**Search item in catelog**

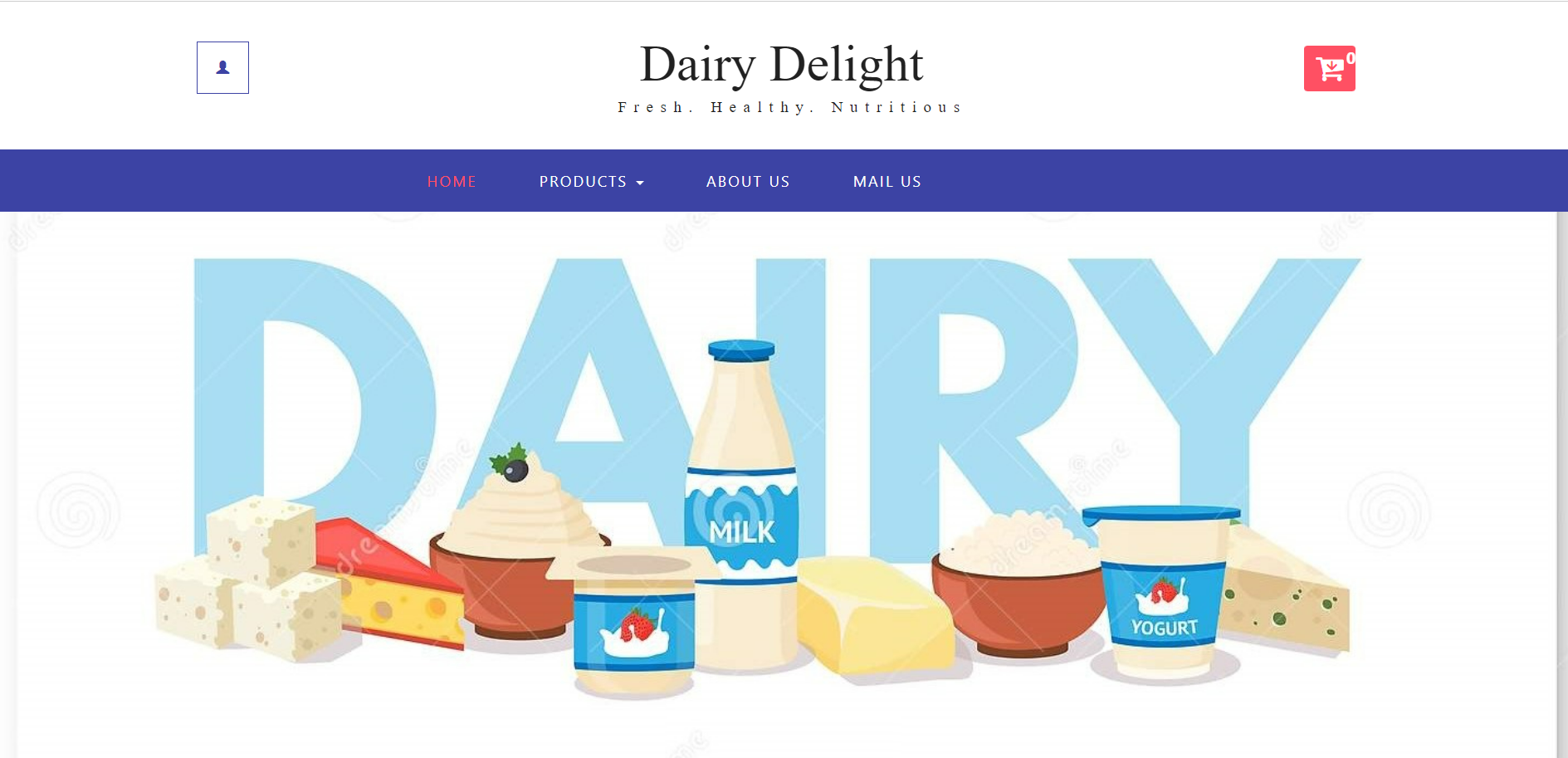
**Add item into cart**

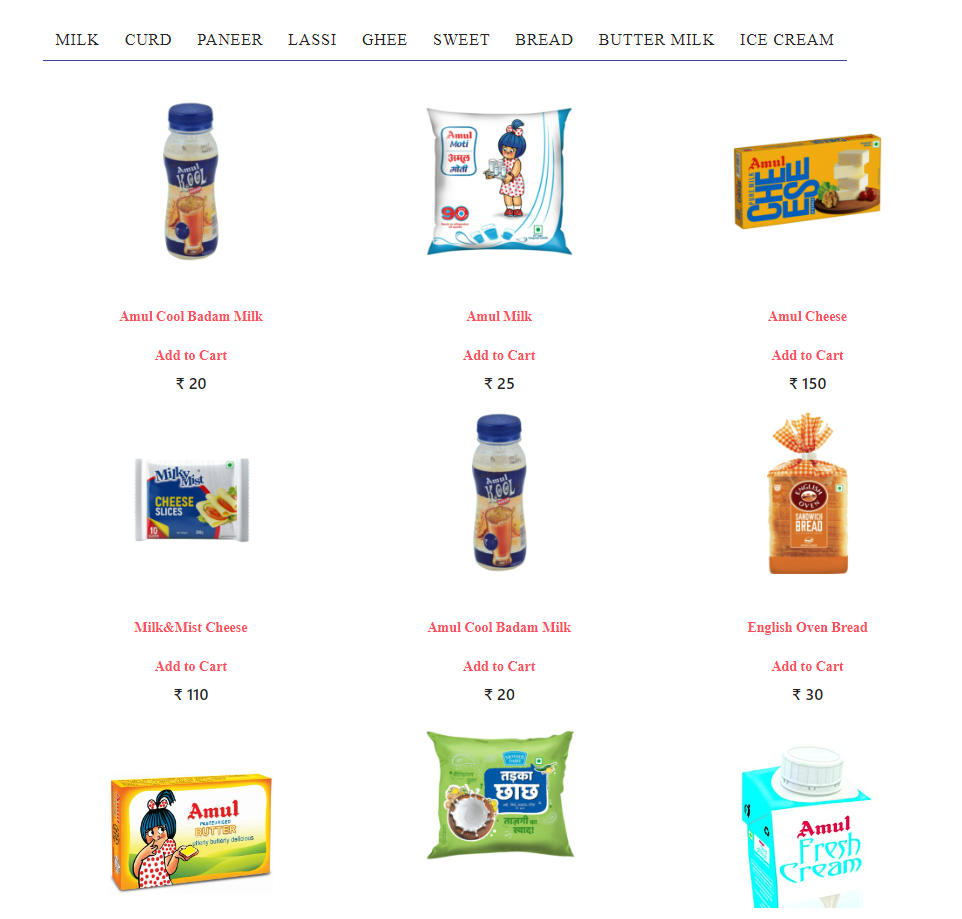


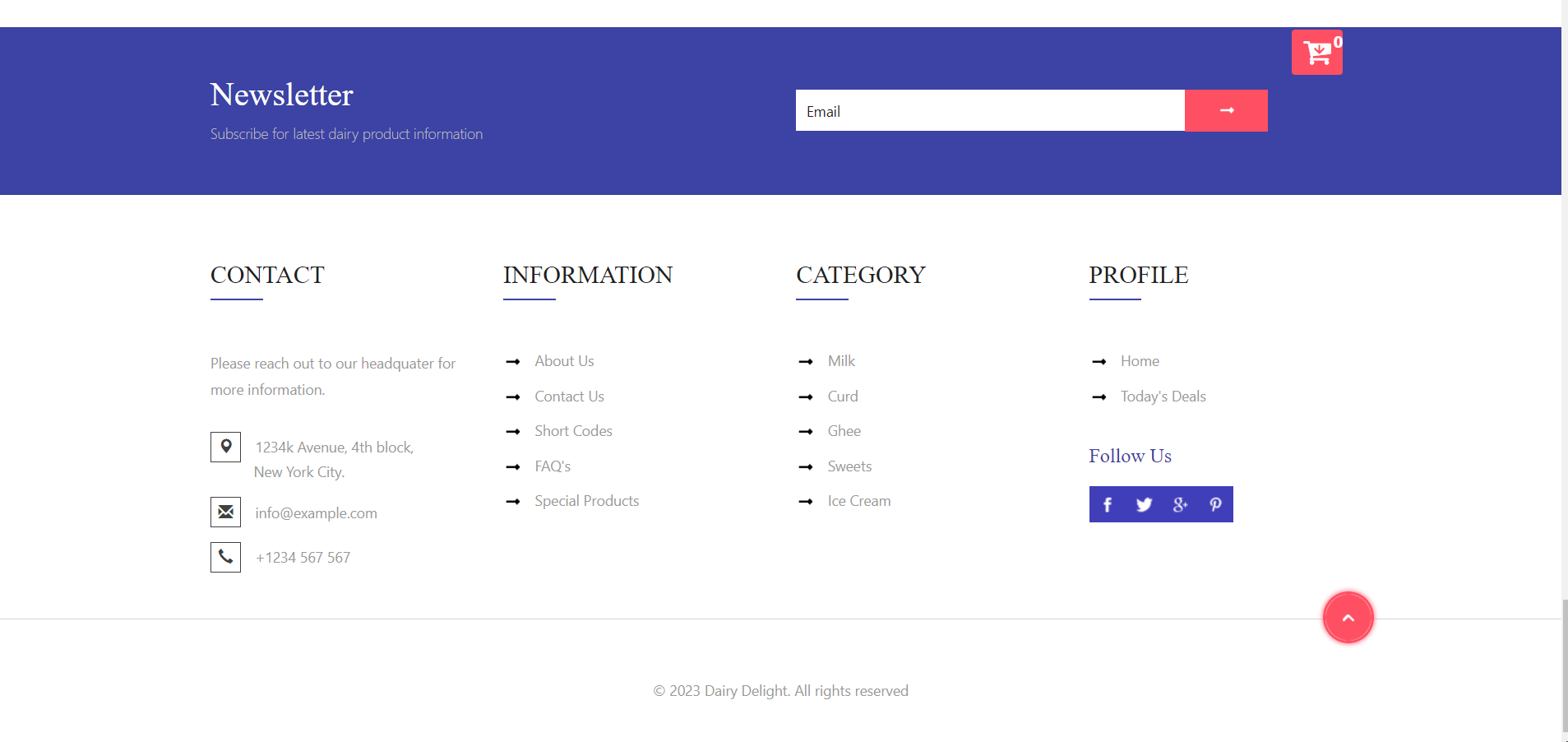


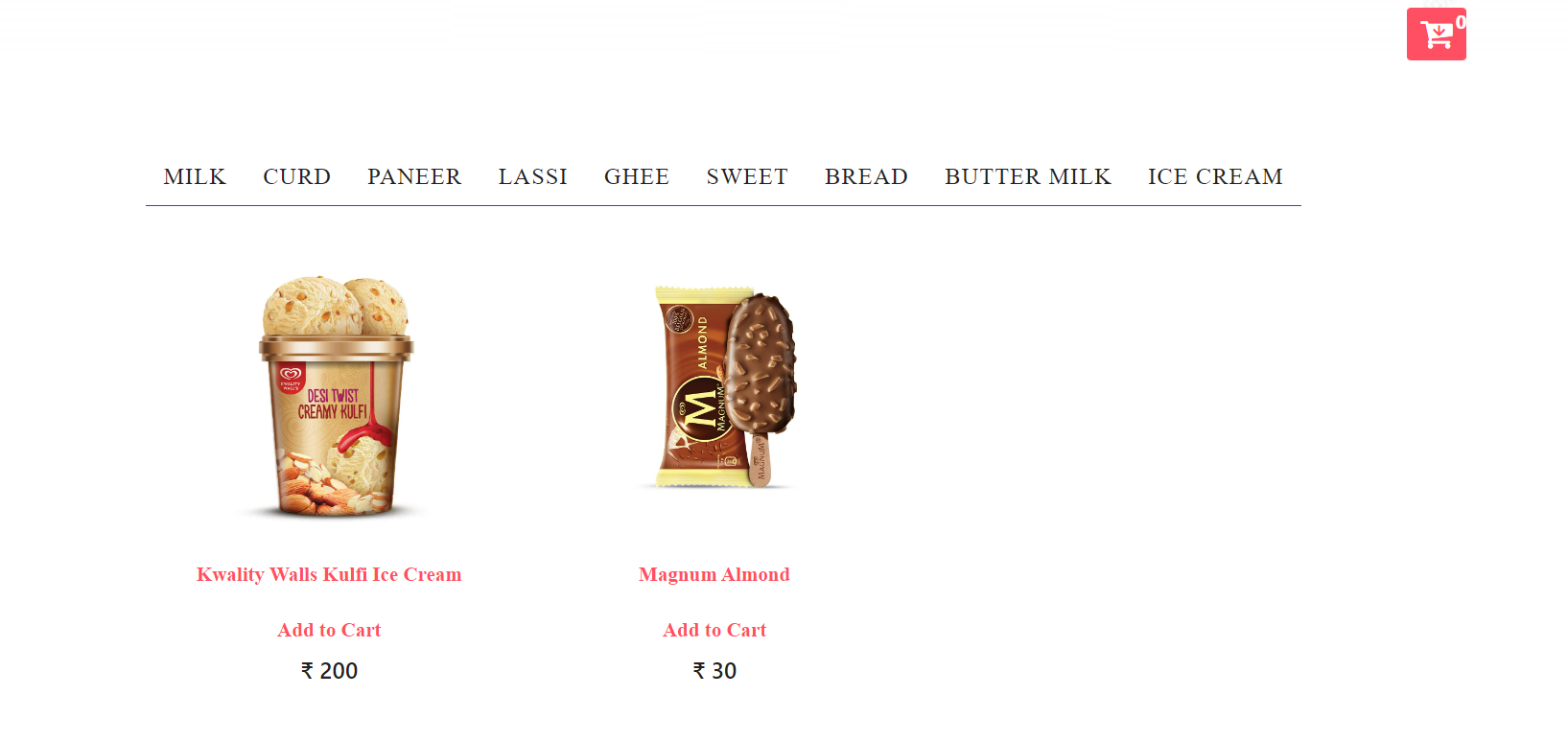
**Deployment Diagram**

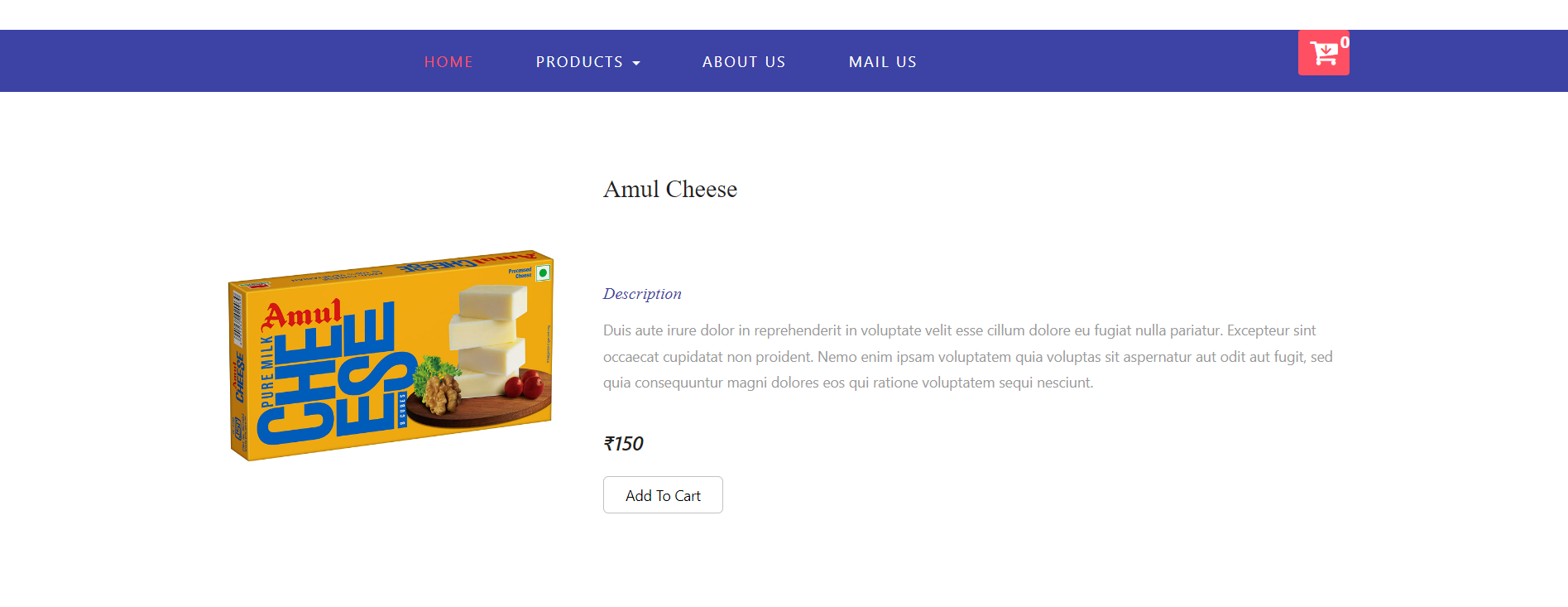


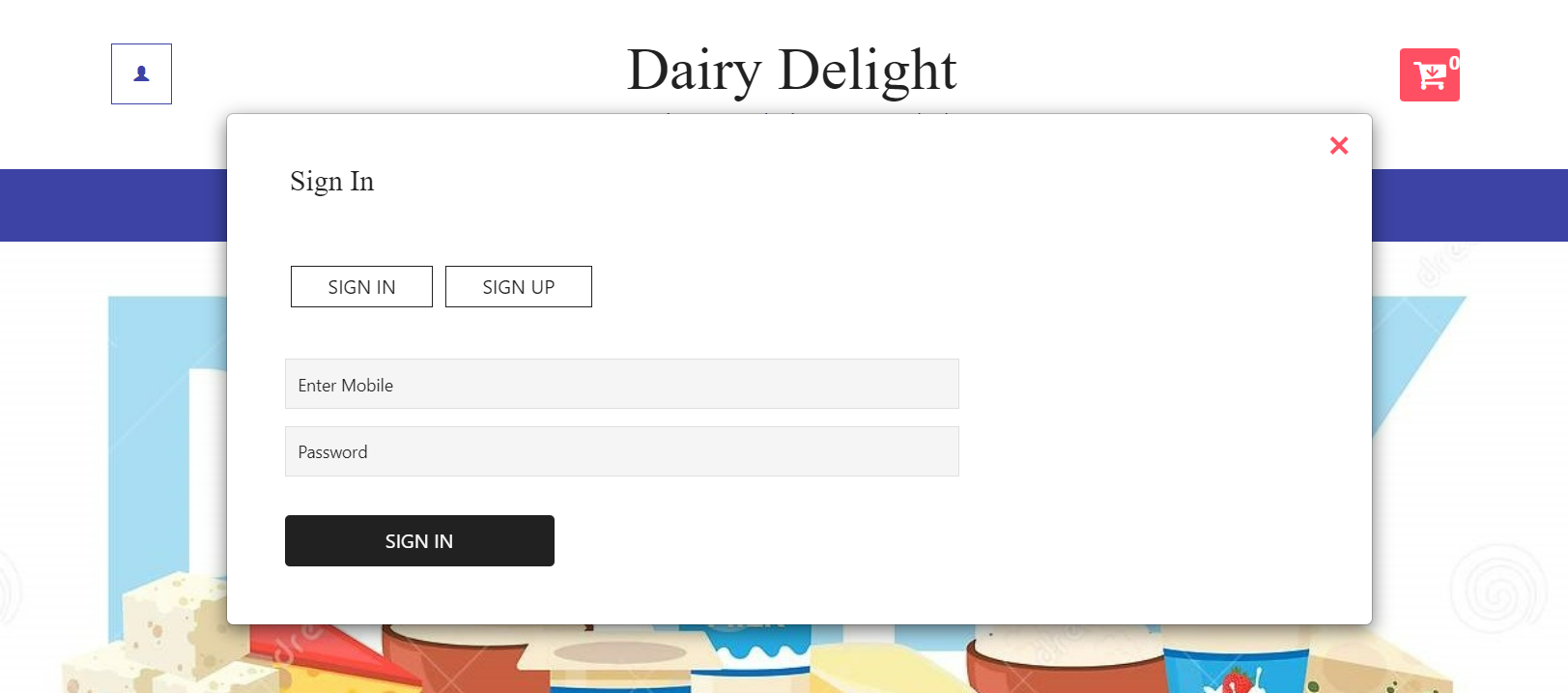


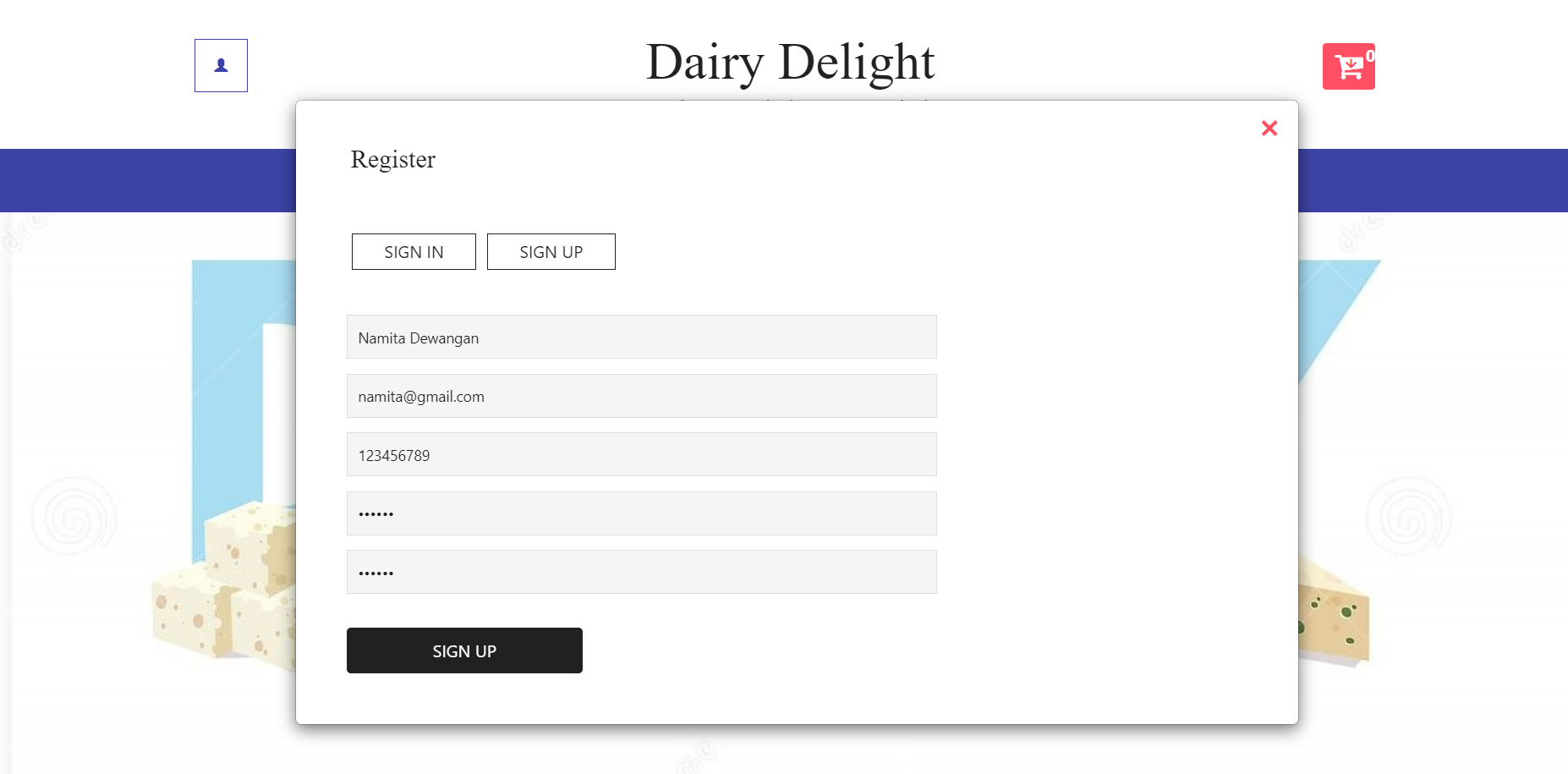


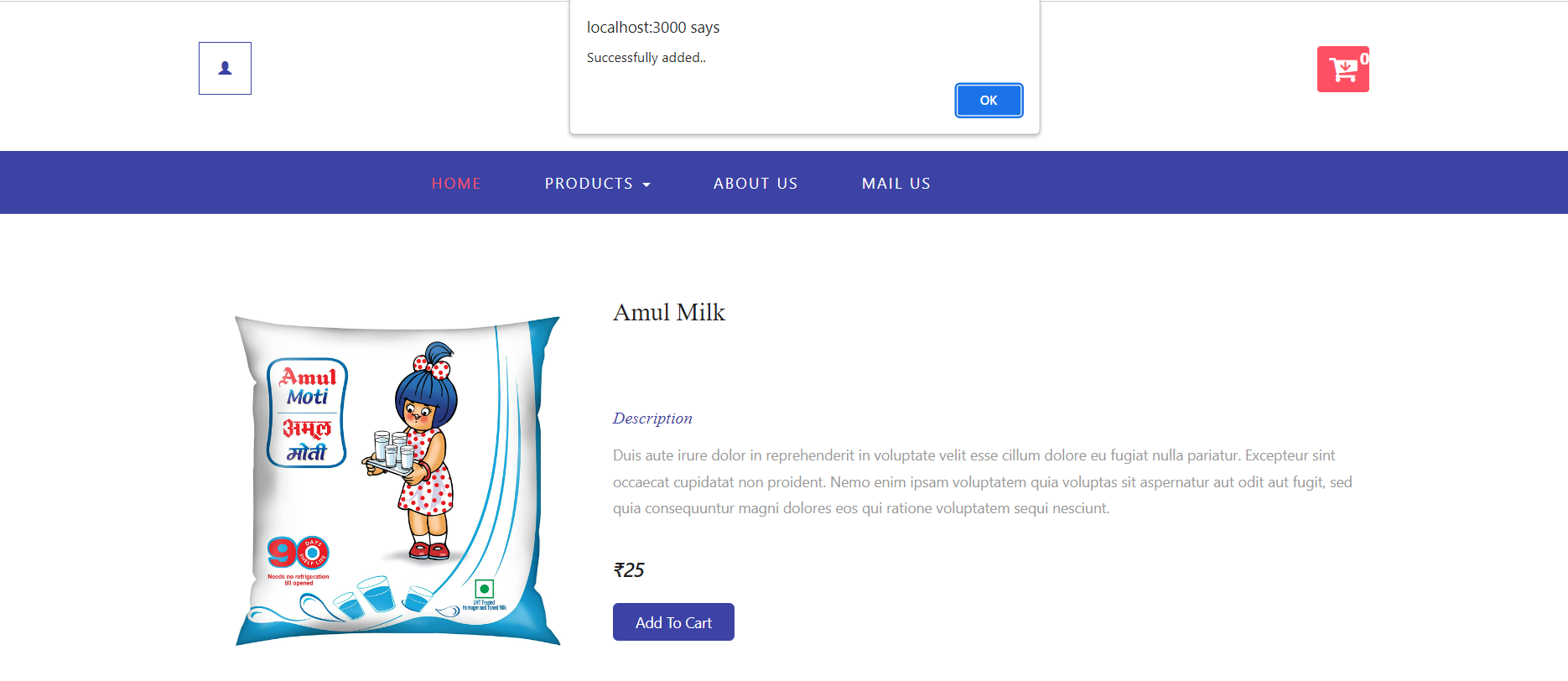










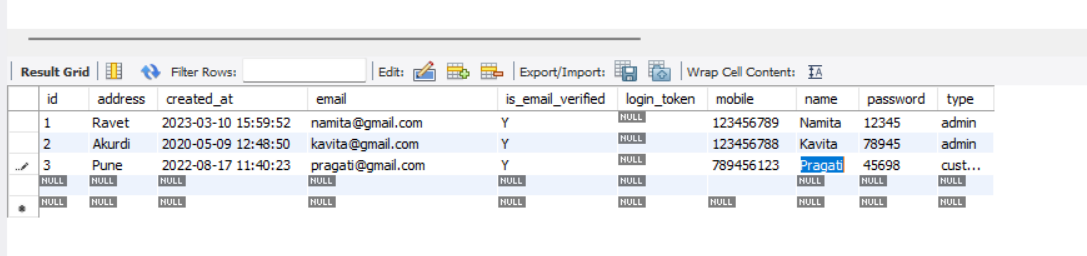




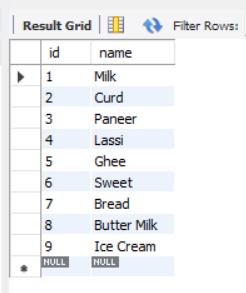


**Database Table**

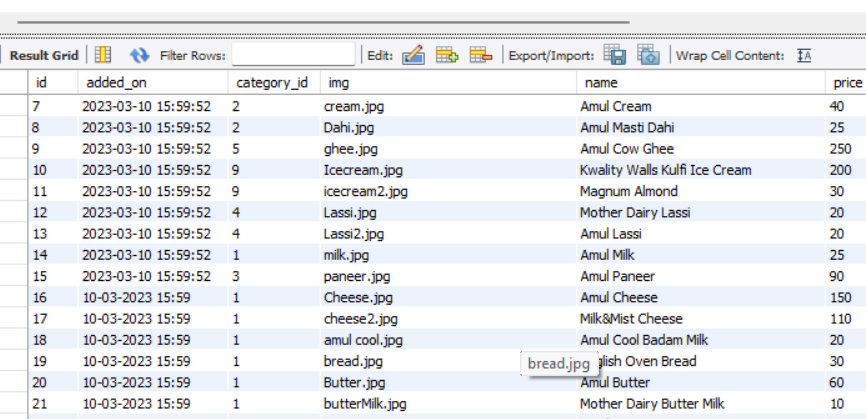
User table:

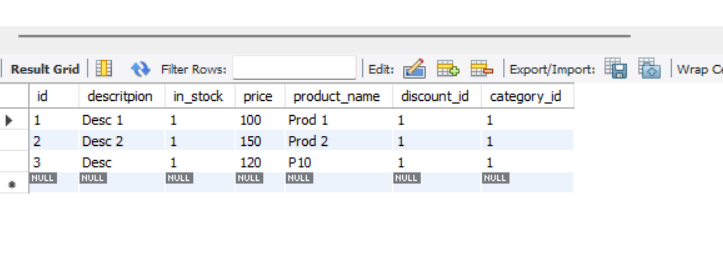


Category Table:



Products Table:





Checkout cart:

