

# CloudStore

## E-commerce Aggregation System

### System Study

## Existing System

Zomato is a multinational restaurant aggregator and food delivery company. It connects the various restaurants and customers together. Customers can order food without going out of their home. Dine-in bookings are also provided for the customers.

Customers can search and discover restaurants and food with respect to the location, post and see reviews, order food online, book tables and make payments on the go. In zomato, customers can search by food and restaurant. If they are making the search based on food, then they have to select the restaurant from which the food is to be ordered.

## Disadvantages

- The products are limited to food and beverages.
- Customers have to choose from the list of restaurants.
- Prices for the same product can be different in different shops.
- We cannot ensure that the reviews are not manipulated by the organization itself. Reviews greatly impact the decision of the customers.

## Proposed System

CloudStore is an ecommerce aggregation system. It connects the various shops and customers together. Customers can order the products anytime. Unlike zomato, the shopping experience will be product-based and not store-based. The product results will be shown based on the location of the customer. The system accepts both shop and product reviews from the customers.

### Advantages

- The products are not limited to food and beverages.
- The system decides the shop to buy the products from, based on location and rating.
- Price of the product will always be near to the market price.
- The reviews cannot be manipulated, even by the organization.
- Can enhance the small-scale shops.

# Modules

- Shop Registration

Shops are able to register themselves. They can add their products to the system. It is mandatory for every shop to have a location and it remains static unless changed by the shop themselves

- Customer Registration

Customers have the freedom to look at the various products but can only shop after logging in. Customers have the option to change their location anytime. They are also provided with earlier saved locations. Customers can add multiple products to their cart.

- Product Management

Products are added by the shops. Each product is different. Even a small difference like color will classify the product as a separate one.

Products are also visible under categories, which will help the customers find the products easier.

- Admin Functionality

Administrators do not require any location, to be registered on the system. Administrators can add, remove and modify the details of shops and customers. They cannot alter the reviews associated with the shops and products.

- Location System

Location system is one of the core components of this aggregation system. Every shop and every customer will have a location associated with them at any point of time.

As the location changes, the products shown to the customer, as well as the shops, changes. The products are shown to the customer according to the location of the customer as well as the rating of the products and shops.

- Review System

Customers can review the products that they have ordered.

The system stores the review under the corresponding product as well as the shop from which it has been bought.

The review system is a main component which decides which products to display and from which shops to buy from.

- Shop Selection

The products selected by the customer are bought from shops under a specific perimeter around the customer. These shops are selected according to their individual ratings.

- Payment System

Customers can pay the amount for the products through the payment gateway integrated in the system itself. The customers will get an email confirming the purchase of the products.