

DATABASE MANAGEMENT FOR ONLINE RETAIL STORE

PROJECT SCOPE

The purpose of this project is to develop a web-based e-commerce platform that functions in a manner akin to popular retail stores like Big Bazaar. Suppliers can list their products on the website, and customers can purchase them through the app. The platform's primary objective is to develop a seamless and efficient system for suppliers and customers to transact business. The software will also keep a database of logistics providers in order to ensure quick and accurate delivery of commodities to customers based on their location.

- The DB will be able to store and maintain supplier and customer information and also will be able to store and manage product information and inventory levels.
- Our database will be able to process and track sales transactions and store & manage providers' information and delivery schedules.
- The DB will ensure that it provides security and access controls to only authorised users.
- A proper backup and restore mechanism will be built to ensure data consistency and integrity.

FUNCTIONAL REQUIREMENTS

Requirements for supplier

- **Add Category:** A supplier should be able to add a new category by using this functionality
- **Add Product:** A supplier should be able to add a new product by using this functionality
- **Delete Product or Category:** A supplier should be able to delete pre-existing products or category
- **Set Discount on Product:** A supplier could set the discount to be provided on a specific item per their status.

Requirements for Consumer

- **Add to cart:** With this functionality, the customer should be able to add products to his cart
- **Add to Wishlist:** With this functionality, the customer should be able to add any product to their wish list
- **Checkout:** With this functionality, the customer can check out the items added to the cart.
- **Buy a Membership:** With this functionality, the customer could upgrade their status, availing discounts and better deals, and exclusive coupons.

- **Make Payment:** This functionality will facilitate online payment for items purchased through various safe methods available and will also help generate the bill for all items.

General Requirements

- **Sign up or Log in**
- **Search and Sort items via variegated filters**
- **Explore Product/ Category Catalogue**
- **Track Delivery**
- **Show Available Deals**

TECHNICAL REQUIREMENTS

Front End: PHP, REACT, CSS, FIGMA, Django, HTML, JS

Back End: MySQL, python or java, Flask etc.

Team members

- Saketh Ragirolla- 2021092
- Ritisha Singh- 2021089