

Submission 1

Online Retail Store Management System

DBMS Sec-A Tut-10

Gurupriya Vaikundam-2022191

Jas Keerat Singh-2022226

Rituj Upadhyay-2020570

Project Scope:

This project aims to develop an Online Retail Store Management System to facilitate the procurement, distribution of products, and management of customer orders and appointments. The system will allow vendors to register, list their products, and interact with the platform to sell merchandise. Customers will be able to browse products, place orders, and schedule appointments for product pickups or deliveries.

Requirements:

- **Create Accounts:** Users can create accounts and log into the website.
- **Products:** The website can store a large no. of products.
- **Categories:** Each product belongs in a category, and categories can belong to other categories.
- **Payment Methods:** User can add one or more payment methods to their account and can set a default payment method.
- **Payments details for order:** A user needs to provide their payment details and address details as part of placing an order.
- **Order status:** The order and the shipping process follows several stages once the order is placed, such as processing, delivery in progress, and

delivered. The website should keep track of the no. of each product that is in stock.

- **Shopping cart:** Visitors can add one or more products to their shopping cart as part of their shopping experience. Shopping carts are not saved in the database unless they are logged in.
- **Addresses:** Users can add one or more addresses to their account and can set a default shipping address.
- **Coupon system:** Customers will be able to use points and coupons to get discounts on their purchases, making shopping more affordable.
- **Offers and Discounts:** We'll also implement various offers and discounts to attract and retain customers.
- **Return policy:** A clear and fair return policy will be in place to ensure customer satisfaction.
- **Order history:** The system will keep track of order history, allowing users to easily reference their past purchases.
- **Recommendations:** Personalized recommendations will enhance the shopping experience, suggesting products based on individual preferences.
- **Filters:** Additionally, filters for price and distance will help customers find products that fit their budget and are conveniently located.

Contributions:

Gurupriya Vaikundam (2022191): Took charge of designing the overall framework for the Online Retail Store Management System, ensuring a user-friendly interface and seamless navigation. Spearheaded the development of user account management, payment methods, and order status tracking. Ensured a seamless and secure user experience during the purchasing process.

Jas Keerat Singh (2022226): Led the implementation of the product and category management system, incorporating a dynamic structure that allows products to be classified into multiple categories. Contributed to the shopping cart functionality for both logged-in and guest users.

Rituj Upadhyay (2020570): Played a key role in enhancing the customer experience with features such as the coupon system, offers and discounts, and the implementation of a transparent return policy. Also contributed to the development of personalized recommendations and product filtering options.