CSE370 : Database Systems
Project Title : Online Clothing Store

Introduction

The world is becoming more digital and so is the way we shop. Online shopping has become a trend and is increasingly popular amongst consumers. Keeping this in mind, we developed an online clothing store inspired by our sustainable fashion idea presented in the Hult Prize competition's semi finals. The project is aimed at providing a hassle-free shopping experience for customers looking to buy clothes online. The website was built using HTML, CSS, PHP, and MySQL with a focus on functionality over design.

The website features a user-friendly interface that allows customers to sort products by categories and apparels, add them to the cart, and proceed to the checkout page and complete online or offline payment. However, the current version of the website lacks some features, such as the ability for users to edit their profile and track orders. These features will be implemented in future updates.

The project includes a secure registration and login system by using hashing for both customers and admins. Admins have access to a dashboard that enables them to manage and see the store's products, categories, and apparels, customer details, admin profile and track orders.

We also utilized several advanced features such as inner join operation, derived attributes, and view operations. Derived attributes provide information on the number of products left in stock. The website also includes an inner join operation that displays the combinations of categories and apparels in use, as well as all orders with their corresponding details, such as customer information and pending orders.

Overall, the "Online Clothing Store" project provides a foundation for a sustainable fashion online store. It is user-friendly and easy to navigate, making it an excellent choice for anyone looking to purchase clothing online.Moreover with further development, it has the potential to become a leading online clothing store platform.

Project Features

Account:

1. User Sign up page (password hashing)
2. User Login page
3. Admin Sign up page (password hashing)
4. Admin Login page

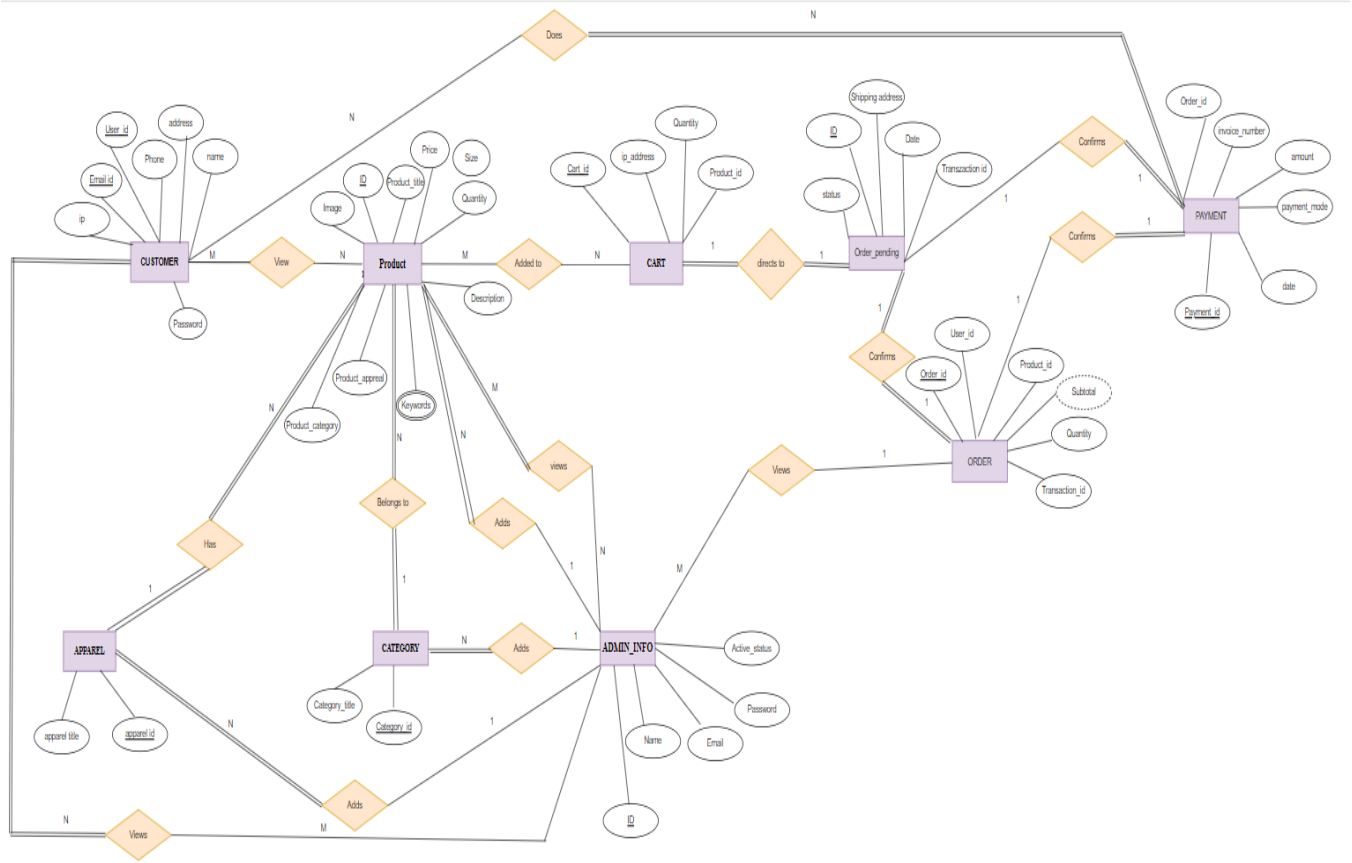
Shop:

1. Guest & User home view
    - View sorted by categories
    - View sorted by apparels
2. Add to cart- Cart option
    - Update cart
    - Remove product from cart
    - Check out
    - Payment

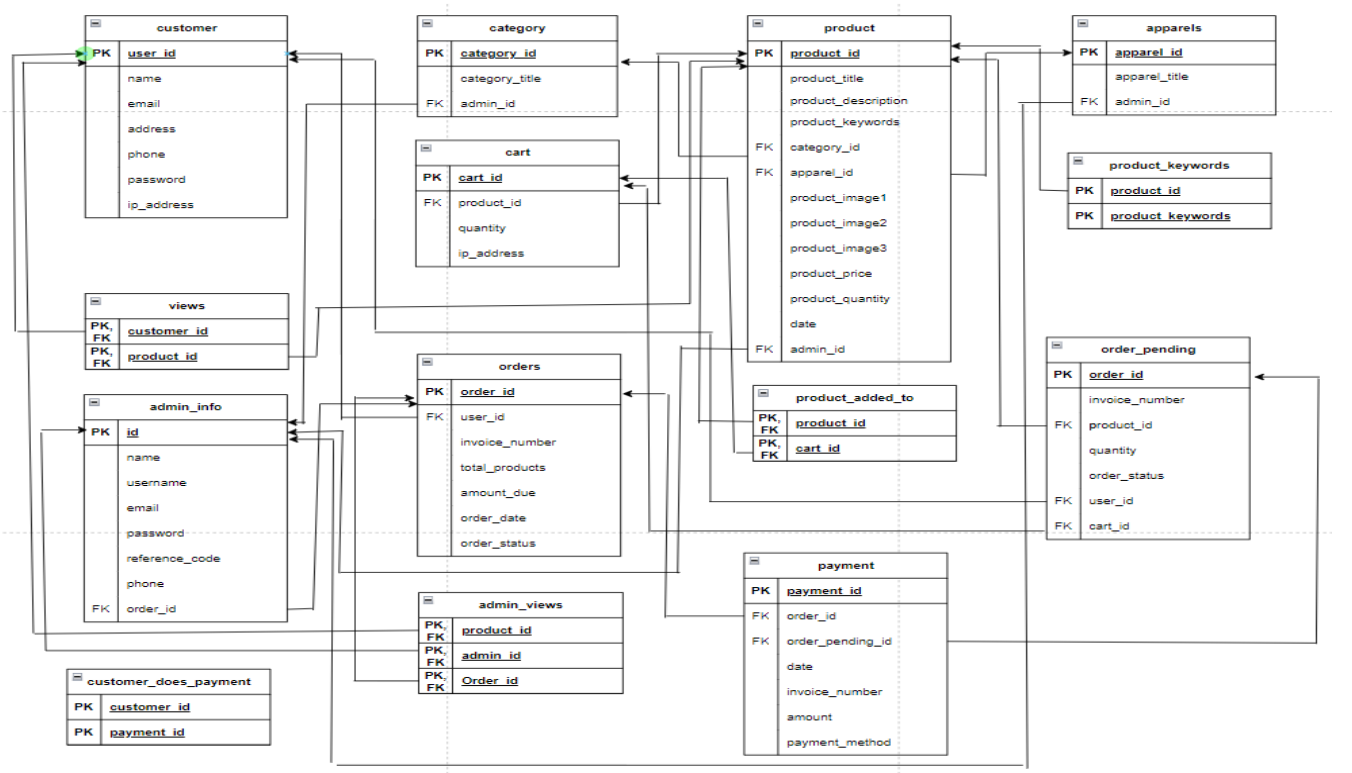
Admin:

1. **Insert**
    - Categories
    - Apparels
    - Products
2. **View, Edit & Delete**
    - All products (Derived attribute= products left in stock)
    - All categories
    - All apparels
    - Customer details
    - ❖ User Inner join operation:
        - Categories and apparels combination that are in use (categories, products, apparels entities)
        - All orders (Used products, customer, orders_pending entities)
3. **View:**
    - Profile

ER/EER Diagram



Schema Diagram



Conclusion

The "Online Clothing Store" project is a promising venture that offers a convenient and secure shopping experience to customers. The website's features, such as sorting by categories and adding products to cart, make it user-friendly. The focus on sustainability aligns with the growing trend towards ethical fashion. With the inclusion of additional features such as order tracking and profile editing, the project can further improve the customer experience. Overall, the project has the potential to become a successful online clothing store platform with continued development.

References

https://www.php.net/manual-lookup.php?pattern=mysqli_fetch_assoc&scope=quickref