

CSE311L Project: ECOMMERCE System**SEC - 3**

1. customers: Represents individuals who have registered accounts on the ecommerce system. This entity stores essential details such as customer ID, name, email, and contact information to enable seamless communication and identification of customers.

2. Products: Represents the various items available for purchase on the ecommerce platform. The Products entity includes attributes like product ID, name, description, price, and stock availability, facilitating efficient product management and catalog display.

3. Categories: Contains information about the different product categories or departments available on the website. The Categories entity includes attributes like category ID, name, and description, helping customers browse and filter products based on categories.

4. Brands: Stores details about the brands or manufacturers of the products available on the website. The Brands entity includes attributes like brand ID, name, and description, providing insights into product origins and brand preferences.

5. Store: There are many stores with store_id, name, street and city.

6. Orders: Tracks the orders placed by . The Orders entity includes attributes like order ID, customer ID, order date, shipping address, payment method, and order status, allowing efficient order processing and tracking.

7. Managers: There are many managers among the staffs.

8. Payments: Stores information about the payments made by customers for their orders. The Payments entity includes attributes like payment ID, payment amount, payment date, and payment status, ensuring proper payment tracking and reconciliation.

9. Shopping_Cart: Represents the temporary shopping cart where customers can add products before making a purchase. The Shopping_Cart entity includes attributes like cart ID, and cart status, date, facilitating smooth customer experience during the shopping process.

10. Wishlist: Allows customers to create wishlists of products they intend to purchase in the future. The Wishlist entity includes attributes like wishlist ID, date, helping customers keep track of desired products.

11. Coupons: Contains details about discount coupons or promotional codes that customers can apply during checkout. The Coupons entity includes attributes like coupon code, discount percentage, and expiration date, encouraging customer engagement through discounts.

12. Shipping_Methods: Represents the different shipping options available for orders. The Shipping_Methods entity includes attributes like shipping method ID, name, description, and shipping cost, giving customers choices for order delivery.

13. Addresses: Stores the shipping and billing addresses of customers. The Addresses entity includes attributes like address ID, address type (shipping/billing), and address details, ensuring accurate and timely deliveries.

14. Ratings: Represents the overall ratings and reviews for products based on customer feedback. The Ratings entity includes attributes like rating ID, average rating, and total number of reviews, helping customers assess product quality.

15. delivery man: There are many delivery man with id, name, transport.

16. Advertisement: There are many advertisement with id, name, media and date.

17. Customer_Support: Contains contact information for customer support services, including phone numbers and email addresses, providing customers with channels to seek assistance or report issues.

18. Promotions: Represents ongoing promotional campaigns or special offers on the website. The Promotions entity includes attributes like promotion ID, promotion name, description, and validity period, encouraging customer engagement through discounts and incentives.

19. Sales_Reports: Stores sales data and generates reports for analysis. The Sales_Reports entity includes attributes like report ID, date range, and total sales, enabling data-driven decision-making for business growth.

20. Inventory: Tracks the stock levels of products available for sale. The Inventory entity includes attributes like product ID, quantity in stock, and reordering threshold, ensuring efficient stock management and preventing stockouts.

21. Staff: Represents staff members working for the ecommerce company. The Staff entity includes attributes like staff ID, name, role, and contact information, helping manage and coordinate the workforce.

22. Supplier: Stores information about the suppliers providing products to the ecommerce website. The Supplier entity includes attributes like supplier ID, name, and contact details, facilitating vendor management and communication.

23. Shipping_Carriers: Contains details about the shipping carriers used for delivering orders. The Shipping_Carriers entity includes attributes like carrier ID, name, and contact information, ensuring efficient shipping logistics.

24. Social_Media: Represents social media accounts and activities of the ecommerce website. The Social_Media entity includes attributes like account ID, platform, followers, and posts, helping to engage with customers and build an online presence.

25. Newsletter_Subscribers: Stores information about customers who have subscribed to the ecommerce website's newsletter. The Newsletter_Subscribers entity includes attributes like subscriber ID, email, and subscription status, enabling targeted communication and marketing.

26. Loyalty_Program: Manages loyalty programs and rewards for frequent customers. The Loyalty_Program entity includes attributes like program ID, reward points, and redemption options, fostering customer loyalty and retention.

27. Gift_Cards: Represents gift cards that customers can purchase or redeem on the website. The Gift_Cards entity includes attributes like card ID, value, and expiration date, offering customers gifting options and promotions.

28. FAQ: Contains frequently asked questions and their answers to assist customers with common queries, providing self-help resources for customers. Attributes are faq-id, question, answer.

29.Sales_Trends: Tracks sales trends and patterns over time for different products and categories. The Sales_Trends entity includes attributes like trend ID, date range, and sales performance metrics, helping businesses understand customer preferences and market demands.

Additional Requirements

- Customer detailed profile including subclass as professional, business man, government employees and others
- Payment can be made by 3 to 5 installments