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Project Description

This Project is about creating an e-commerce system that will make way to a new payment option. This new form of payment is a deposited system where customers will be able to make a down payment of a fraction of the price of the item to reserve the product for a while until the full amount is paid in the given time. With this system when a customer wants to buy a much-needed item at a specific time or reduce the chance of missing out on a limited-edition item due to lack of money at that time, he/she will be able to buy the item. Whereas when payment is not made at the end of the given time, company will keep the deposit and make the item visible for other customers again, making more profit from an unit item.

Relations in the ER diagram

* User: User stands for the people who will log in, such as customer, product manager and sales manager. They all need an id, a password, an address, and a phone number.
* Customer: Customer is a type of user who has the ability to add to their basket, check out and buy the product, comment on a product, and also rate a product. The difference between visitor and customer is that customer has to log in, visitor does not.
* Sales Manager: Sales manager is another type of user who is responsible for the information in deposit payments and can see the invoice of orders. He/she is also responsible for changing the status of the order.
* Product Manager: Product manager is another type of user who is responsible for the addition, deletion and the changes of the information of the products.
* Visitor: Visitor is the customer without a login info. They can buy items just like customer, use their baskets and buy deposit paid orders. Visitor is not a user.
* Basket: Baskets store product information, total price information, has a basket id. A basket will proceed to an order when the customer/visitor wants to buy the items.
* Product: Products are the things that are sold in the system. They have a rating, price, name, product id and some comments.
* Order: The major aspect regarding order is the deposit part mentioned before. It has a status and an invoice, a cargo address, an order id and billing information.
* Billing Info: This node holds a card number, contact information, seller’s contact and payment information, and the seller’s address. This node exists so we can handle transactions between customers and sellers.

Diagram

Description automatically generated