

466 Website Group Project

Entities & Attributes

- User (subtypes are Cust and Emp) – this contains every user interaction with the shop.
 - Username – this identifies who the user is while making purchases, perusing, etc. Tells the site who the person is
 - Password – custom password someone makes to go along with the username. Basic security features.
 - *Iscust* – lets the web know the person on is a customer, giving them different access than the employee. This can be identified by the username in theory, will automatically be true, unless specified otherwise.
 - *Isemp* – lets the store know this person is an employee allowing them different access than customers. They will help maintain the store.
 - Email – email address provided by the customer to receive updates on orders, shipping, etc.
 - Address – address of the customer to be able to ship items
 - Billing_Information – contains CVV, CC_Num, CC_Expire to pay for items
- Cart
 - Order_ID – this is a unique id number of a cart for a user to return to while making it, it does not mix up 2 peoples carts and each order ID can correspond to a user
 - Quantity – this is the quantity of a product held in a cart at a single time

- Total – total price of everything combined withing the cart
- Inventory
 - Product ID – a unique identification number for the products within the store.
 - Price – the price of each product
 - AmountHeld – the amount of the product which the store currently has in stock. This can fluctuate as people buy items.
 - ProductName – the literal name of the item so people know what they are looking at
- Order
 - Confirm num – confirmation number for the order
 - is_processed – if the order has been processed
 - is_shipped – if the order has been shipped
 - amountPaid – total amount paid for order
 - track_order – shows order status
 - add_note – adds notes to the order

Relationships

- CustHasCart (Order ID, Total, Quantity, Username)
 - Username is from User
 - Each customer has a unique cart associated to them. There can be many users that each have a singular cart
- CartContainsInventory (Product ID, AmountHeld, Price, ProductName,
- Order ID)
 - Order_ID is from Cart
 - Carts contain products from the inventory. These work together to make sure customers don't try to buy more

than they can and know the price of an item. There can be many different carts but they all have to pull from one inventory.

- EmpMaintainsInventory (Product_ID, AmountHeld, Price, ProductName, Username)
 - Username is from User
 - This connection allows the employee to access the inventory to help maintain it.
- MakeOrder (Username, Order_ID, Confirm_num)
 - Username from user
 - Order_id from cart
 - Confirm_num from order
 - This allows the user to make an order of inventory that is in the cart
- FulfillOrder (Username, Confirm_num)
 - Username is from User
 - Confirm_num is from order
 - This allows an employee to fulfill and ship an unfulfilled order