
Database Design - Zapato

11.27.2017

CECS 491A Software Engineering Project I

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1. Class Definition

1. Account
 - A registered user who is able to save favorites list and profile information. But is not able to make a bid or purchase a product.
2. Customer
 - An Account that is able to make a bid or purchase a product because they have given their payment information.
3. Favorites
 - A list composed of certain product listings saved by an Account (user).
4. Product Listing
 - A selling post created by a Customer; includes details about their product.
5. Bid
 - An offered price for an Auctioned product, made by a Customer.
6. Auction
 - A special Product Listing allowing buyers to compete in bidding for that Product.
7. Order
 - A confirmed purchase note, containing important information about a product listing, the buyer, the total price, and other details including order date.
8. Product
 - A pair of shoes that can be sold or bought through the Zapato app.
9. Image
 - A picture that gives users a visual depiction of each Product.
10. Conversation
 - An instance of communication between two Accounts (buyer & seller), focused on a particular Product listing.
11. Message
 - An instance of plain text within the Conversation instance sent by an Account (sender).

2. Relation Schema

