

P3. FINAL ERD DMDD PROJECT

CHANGES MADE IN FINAL ERD:

- Removed One-to-Many relationship between Customer and Payment_Transaction as we can get the Customer_ID directly from Order entity and check which customer has initiated the payments
- Shopping_Cart Entity has been removed as shopping cart in general means the previous state of Order
- So, to Check whether products are in Shopping_Cart or in Order we can use Order_Status attribute which will indicate it as 0 or 1. So if its 0 than we consider it in Shopping cart and if its 1 than the Order has been placed.
- Review Entity has been updated as previously there was no relation between Review and Shoe_Product defined but now we can check there is One to Many relations present between Shoe_Product and Review.
- Also, Delivery Entity has been added where which has relation with ORDER entity and their relationship is One to One.
- There was a Many to Many relationships between Order and Shoe_Product so now there's an associative entity called Order_Line with OrderLine_ID(PRIMARY KEY) and Product_ID(FOREIGN KEY), Order_ID(FOREIGN KEY).
- There was also Many to Many relationships between Supplier and Shoe_Product so now there's an associative entity called ProductSupplyChain with SupplyChain_ID(PRIMARY KEY) and Supplier_ID(FOREIGN KEY), Product_ID(FOREIGN KEY).
- Between Shoe_Product and Inventory there was Many to Many relationships present which is now has an associative entity called ProductSupplyChain with SupplyChain_ID(PRIMARY KEY) and Supplier_ID(FOREIGN KEY), Product_ID(FOREIGN KEY).

Final ERD:

