

Term Project – Deliverable 5

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1.

There is one change in our current business rule. The updated business rules are mentioned below:

- One seller can sell multiple products, but one product is associated with only one seller.
- One product can have multiple inventory records, but each inventory record corresponds to only one product.
- One consumer can place zero or multiple orders, but one order is associated with only one consumer.
- One order can contain multiple products, and each product can be present in multiple orders.
- One order can have one shipment, and one shipment is associated with one order.
- One Amazon warehouse contains multiple products (Changed)
- One shipment originates from one Amazon warehouse, and one Amazon warehouse can have multiple shipments.

2.

The changes that I have made to the business rule are as follows:

- 1. Added "product_catagory" as an attribute in the Product table
- 2. Added "product_price" as an attribute in the Product table
- 3. Added "warehouse_location" as an attribute in the warehouse table
- 4. Added "w_qty" as an attribute to the Warehouse table
- 5. Added "Status" as an attribute to the Warehouse table
- 6. Added "Customer first name" as an attribute to the customer table
- 7. Added "Customer_last_name" as an attribute to the customer table
- 8. Added "Customer_email" as an attribute to the customer table



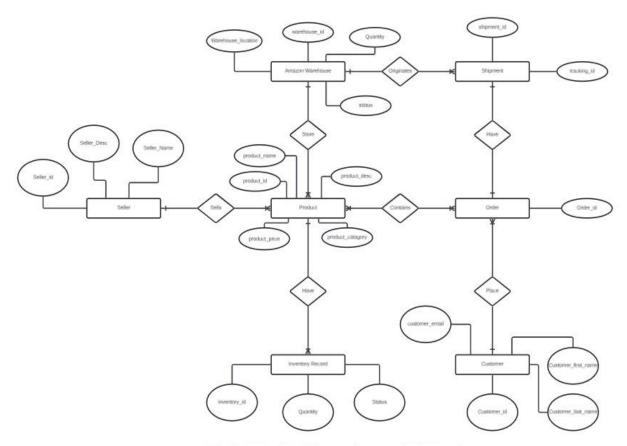


Fig: Conceptual ER-Diagram of our new business rule



3. Make any enhancements and corrections to your logical ERD and provide the updated ERD below.

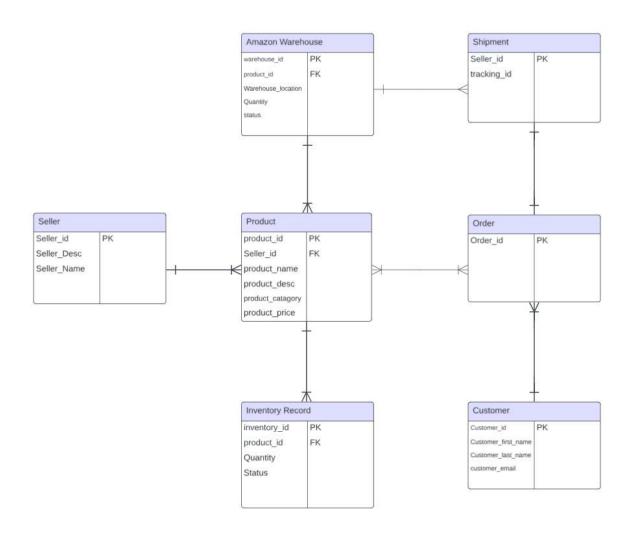


Fig: Conceptual ER-Diagram of New Business Rule



4.

Aspect 2

a. Creation of tables and constraints



b. Creation of reusable stored procedure

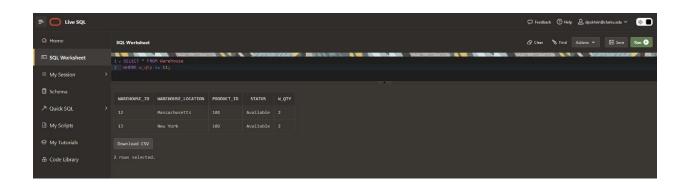




c. Use of the stored procedure



d. SQL query





Aspect 3

a. Creation of tables and constraints



b. Creation of reusable stored procedure



c. Use of the stored procedure





d. SQL query

