Final Project

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Selling on Amazon

Business Rules:

Structural Business Rules

* A Seller can sell many products.
* A product is sold by a single seller.
* Each product belongs to a category.
* A product belongs to single category.
* A category can have many products.
* Product should have category ID, Name, Price, Quantity.
* An inventory belongs to single seller.
* A seller can have a single inventory.
* A customer can place many orders.
* An order belongs to a single customer.
* Customer should have username, address, phone number and email address.
* An order can have many products.
* A product belongs to a single order.
* Order should belong to a particular shipping speed.
* A return request belongs to one and only customer.
* A customer can have zero to many return requests.
* Return request should have Person ID and Product ID.
* A customer can have zero to many customers service request.
* A customer service request belongs to one and only one customer.
* Each order should have a tracking ID.
* A product list belongs to only one order.
* A order list has many order to product pairs.

Conceptual Erd:

Diagram

Description automatically generated

**Logical ERD:**

Diagram, schematic

Description automatically generated

**Aspect-1:**

**Stored Procedures:**

Graphical user interface, text, application

Description automatically generated

A picture containing graphical user interface

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Query:**

Graphical user interface, text, application, Word

Description automatically generated

**Aspect-2:**

**Stored Procedures:**

Graphical user interface, text, application, email

Description automatically generated

**Query:**

Graphical user interface, text, application, email

Description automatically generated

**Aspect-3:**

**Stored Procedures:**

Graphical user interface, text, application

Description automatically generated

**Query:**

Graphical user interface, text, application

Description automatically generated

**Aspect-4:**

**Stored Procedures:**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Query:**

Graphical user interface, text, application, email

Description automatically generated

**Aspect-5:**

**Stored Procedures:**

Graphical user interface, text, application

Description automatically generated

**Query:**

Graphical user interface, text, application, email

Description automatically generated

Creation of the index:

Graphical user interface, text, application

Description automatically generated

**We created an index for orders and products to match both of them and maintain the quantity. It is also efficient to retrieve the data using this index which is already matched to its respective products.**

**-----------------THE END---------------**