**Term Project – Final Deliverable**

1. **Business Rules:**

* Seller may create listings for many new products; A product listing is created by one seller.
* A listing can be used by many sellers; Seller can make use of many listings.
* A product is linked to a product category; A Product category can have many products.
* Seller ships one or more units of a product to Amazon’s warehouse; Amazon’s warehouse receives many products from many sellers.
* Amazon updates the seller’s electronic inventory.
* A new consumer provides Amazon with information; Amazon creates an account for the consumer.
* Consumer selects products; A Product can be selected by many consumers.
* Consumer selects shipping speed.
* Amazon creates an order.
* An Order is placed by a consumer; A consumer can place many orders.
* Amazon packages purchased products.
* A Package is linked to Consumer’s order; Order may be linked to one or more packages.
* Amazon ships the package; Many Packages are shipped by Amazon

1. **Conceptual ERD:**

**Diagram, schematic

Description automatically generated**

1. **Logical ERD:**

**Diagram, schematic

Description automatically generated**

1. **Aspect 1:**

Graphical user interface, text

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Aspect 2:**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Aspect 3:**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

**Aspect 4:**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

**Note: Executed the procedure multiple times to make the purchase of the same product to get output in the above query.**

**Aspect 5:**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Text, application

Description automatically generated

1. **Index**

Graphical user interface, text, application, email

Description automatically generated

Index has been created on product ID, category ID in product table , as it will help amazon sellers to quickly check for product availability in inventory and Product Category.