A close-up of a magazine cover

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1. **About the Company**

E-commerce is a global leader in e-commerce, recognized for its customer-centric approach, vast product offerings, and competitive pricing. With its innovative technology, E-commerce has revolutionized online shopping, providing fast delivery, efficient logistics, and a seamless customer experience. The company connects businesses and consumers through its vast marketplace, ensuring accessibility and convenience worldwide.

1. **Mission and Objectives**

E-commerce's mission is "To be Earth's most customer-centric company, where customers can find and discover anything they might want to buy online."

**Objectives:**

* **Customer-Centric Excellence:** Providing a seamless, personalized shopping experience with an extensive selection of products at competitive prices.
* **Operational Efficiency and Innovation:** Enhancing logistical efficiency through technological advancements to improve user experience and delivery speeds.
* **Global Market Leadership:** Expanding globally while supporting businesses through E-commerce Marketplace and AWS.

1. **Database Design**
   1. **Tables**

The E-commerce database includes the following tables:

* Sellers
* Products
* Customers
* Orders
* Payments
* Shipping
* Reviews
  1. **Data Dictionary**

**Sellers Table:**

|  |  |
| --- | --- |
| **Column Name** | **Data Type** |
| Seller\_ID | INTEGER(20) |
| Name | VARCHAR(100) |
| Email | VARCHAR(100) |
| Phone | VARCHAR(15) |
| Address | VARCHAR(255) |

**Customers Table:**

|  |  |
| --- | --- |
| Column Name | Data Type |
| Customer\_ID | INTEGER(20) |
| Name | VARCHAR(100) |
| Email | VARCHAR(100) |
| Phone | VARCHAR(15) |
| Address | VARCHAR(255) |

* 1. **Relationships**
* One-to-Many:
  + Sellers → Products (1:Many)
  + Customers → Orders (1:Manya)
  + Orders → Shipping (1:Many)
  + Orders → Reviews (1:Many)
* Many-to-One:
  + Products → Orders (Many:1)
  + Reviews → Products (Many:1)
  + Orders → Payments (Many:1)
  1. **ER Diagram**

A diagram of a relationship diagram

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1. **Database Development**
   1. **Creating the Database**

CREATE DATABASE E-commerce DB;

**Customers Table:**

A screenshot of a computer

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**Sellers query:**

**A screenshot of a computer

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**Orders:**

**A screenshot of a computer

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**Products query:**

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1. **Conclusion**

E-commerce's robust database system plays a crucial role in its efficient operations. By structuring data effectively, E-commerce ensures seamless transactions, improved logistics, and enhanced customer experiences. As the company continues to innovate, its database management remains a critical asset for maintaining its global e-commerce dominance.