TITLE E-COMMERCE WEBSITE SYSTEM

Description:

The E-Commerce Website System is an online platform designed to facilitate the buying and selling of products over the internet. The system is built to handle various aspects of e-commerce transactions, offering an efficient and user-friendly experience for both customers and administrators.

After access the problem faced physical commercial like spent much time for going to the shop, robbers, ….,. I decide to develop an online platform help people to save their time. The platform contains an entity such as Orders, Customers, and Products to ensure the operations is doing well for shopping experience.

**ERD (Entity Relationship Diagram).**

ORDERs

Order\_ID (PK)

Customer\_ID (FK)

Product\_ID (FK)

Order\_Status

Order\_date

Quantity

Shipping\_add

CUSTOMERS

Customer\_ID (PK)

F\_Name

L\_Name

Email

Address

Phone\_Number

PRODUCTS

Prproduct\_ID (PK)

Product\_Name

Category

Price

Quantity

(M-M)

(1-M)

**LDM (Logical Data Modal).**

Customers (Customer\_ID, F\_Name, L\_Name, Email, Address, Phone\_Number).

Products (Prproduct\_ID, Product\_Name, Category, Price, Quantity).

Orders(Order\_ID, Customer\_ID, Product\_ID, Order\_Status

, Order\_date, Quantity, Shipping\_add).

**PDM (Physical Data Modal).**

PK

FK

FK

ORDERS

Order\_ID

Customer\_ID

Product\_ID

Order\_Status

Order\_date

Quantity

Shipping\_add

PK

CUSTOMERS

Customer\_ID

F\_Name

L\_Name

Email

Address

Phone\_Number

PK

PRODUCTS

Prproduct\_ID

Product\_Name

Category

Price

Quantity

**DATA DICTIONARY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ENTITIES** | **ATTRIBUTE** | **DATA TYPE** | **SIZE** | **CONSTRAINTS** | **DESCRIPTION** |
| CUSTOMERS | Customer\_ID | INTIGERS | 11 | PRIMARY KEY not null | Customers identification number |
| F\_Name | STRING | 100 | null | First name |
| L\_Name | STRING | 100 | null | Last name |
| Email | STRING | 30 | not null | email |
| Address | STRING | 40 | not null | address |
| Phone\_Number | STRING | 40 | not null | Phone number |
| PRODUCTS | Prproduct\_ID | INTIGERS | 11 | PRIMARY KEY not null | Product identification number |
| Product\_Name | STRING | 100 | not null | Product name |
| Category | STRING | 100 | not null | Category |
| Price | INTIGERS | 11 | not null | Product price |
| Quantity | INTIGERS | 11 | not null | Product quantity |
| ORDERS | Order\_ID | INTIGERS | 11 | PRIMARY KEY not null | Order identification number |
| Customer\_ID | INTIGERS | 11 | FOREIGN KEY not null | Customer identification number |
| Product\_ID | INTIGERS | 11 | FOREIGN KEY not null | Product identification number |
| Order\_Status | STRING | 40 | not null | Order status |
| Order\_date | DATE | 20 | not null | Order date |
| Quantity | INTIGERS | 11 | Not null | Quantity |
| Shipping\_add | STRING | 40 | not null | Shipping address |