E-Commerce Database schema
(Amazon)

Scope

E-commerce database stores the data of customer as well as the detailed online store profiles. It is very scalable to search for a product and access them for our address through online payments. It gain insights into the most relevant online stores around the world.

We can keep track of the users and the best sellers of products and makes them to give suggestions of new upcoming products.

Database Schema design

Entity	Attributes	Primary key	Foreign keys	Reference tables
user	user_id, first_name, last_name, mobilenum, email address_id	User_id	Address_id	Address
Address	adress_id, colony, City, State, country, postalcode	Adress_id	none	none
shopping	id, session_started, session_ended Userid	id	User_id	user
cart1	id, product_id, userid, sessionid total cost, quantity	id	Userid, product_Id Session_id	User Product shopping

product	product_id name,price, discountid, categoryid	Product_id	discountid, categoryid	Discount, category
discount	id, dis_percent	id	none	none
categories	categoryid, categorytype	categoryid	none	none
orders	order_id, cart_id, total cost	Order_id	Cart_id	cart1
payment	id, payment_option id orderid, amount,status	id	Orderid, Payment_optio nid	Orders, paymentoptio ns
paymentoption s	paymenttype_id , payment_type	Paymenttype_id	none	none

Tables

- User
- Address
- Shopping
- cart1
- Product
- Discount
- Categories
- Orders
- Payment
- Paymentoptions

product
- 🔑 **product_id**
- name
- price
- discountid
- categoryid

discount
- 🔑 **id**
- dis_percent

categories
- 🔑 **categoryid**
- categorytype

orders
- 🔑 **order_id**
- cart_id
- total cost

payment
- 🔑 **id**
- payment_optionid
- orderid
- amount
- status

paymentoptions
- 🔑 **paymenttype_id**
- payment_type

user
- 🔑 **user_id**
- first_name
- last_name
- mobilenum
- email
- address_id

address
- 🔑 **adress_id**
- colony
- city
- state
- country
- postalcode

cart1
- 🔑 **id**
- product_id
- userid
- sessionid
- total cost
- quantity

shopping
- 🔑 **id**
- session_started time
- session_ended time
- userid