

Team 29

Swati Sharma(2021568), Siddhant Rai Viksit(2021565)

Alldeez Assignment - 3 REPORT

Stakeholders of the model:

- Sellers
- Users
- Customer Care
- Delivery Person

The sql code involves:

- Creation of tables of the entities along with their attributes as described in the E-R diagram:

- users	userid INT NOT NULL AUTO_INCREMENT
- sellers	sellerid INT NOT NULL AUTO_INCREMENT
- categories	categoryid INT NOT NULL AUTO_INCREMENT
- products	productid INT NOT NULL AUTO_INCREMENT
- carts	cartid INT NOT NULL AUTO_INCREMENT
- orders	orderid INT NOT NULL AUTO_INCREMENT
- reviews	reviewid INT NOT NULL AUTO_INCREMENT
- delivery_person	deliveryid INT NOT NULL AUTO_INCREMENT
- customer_query	queryid INT NOT NULL AUTO_INCREMENT
- customer_care	id INT NOT NULL AUTO_INCREMENT
- prod_returns	returnid INT NOT NULL AUTO_INCREMENT
-	

- The tables involve attributes of each of the entities as well as the integrity constraints (like primary key, foreign key, references, unique, NOT NULL, etc.)
- create table : used for the creation of each of the tables
- INSERT INTO table_name(column1, column2, column3, ...) VALUES(value1, value2, value3,)
: used for insertion of data instances for the tables

Constraints:

- One buyer will be able to execute the following functions:
 - Create only one account with unique username
 - Add more than one products to cart
 - Exchange the product once
 - Write one or no review
 - Can register more than one query
 - Can execute more than one payment
- One seller will be able to execute the following functions:
 - Create only one account with unique username
 - Add more than one quantity of product as well as multiple categories of products to sell
 - Can register more than one query
 - Add one description of one product
- One delivery person will be able to execute the following functions:
 - Create only one account with an unique phone number
 - Be assigned with more than one delivery
- One customer support representative will be able to execute the following functions:
 - Create only one account with unique phone number
 - Be assigned with multiple queries
- One review can:
 - Have a rating from 1 to 5
 - Be written by one user
 - Be linked to one product
- One order can:
 - Have multiple products
 - Be either paid for or not paid for
 - Be assigned one delivery partner
- One customer query can:
 - Be linked to one user
- One product return request can:
 - Have a status that is either “pending”, “accepted”, or “rejected”
 - Linked to one product
 - Requested by one user
- One product can:
 - Be part of multiple orders
 - Have one seller

Data population

The data was generated using the online service Mockaroo.