**USERS Table Relationships:**

* **users ➔ addresses (One-to-Many)**  
  One user can have multiple addresses (e.g., home, office).
* **users ➔ cart (One-to-One)**  
  One user owns exactly one cart at a time.
* **users ➔ orders (One-to-Many)**  
  One user can place multiple orders over time.
* **users ➔ returns (One-to-Many)**  
  One user can request multiple returns for different orders.
* **users ➔ products (One-to-Many, as supplier)**  
  One user (supplier) can supply many products.

**ADDRESSES Table Relationships:**

* **addresses ➔ orders (One-to-Many)**  
  One shipping address can be used for many orders.

**PRODUCTS Table Relationships:**

* **products ➔ cart\_items (One-to-Many)**  
  One product can appear in many cart items (across many users’ carts).
* **products ➔ order\_items (One-to-Many)**  
  One product can be part of many order items (in different orders).

**CART Table Relationships:**

* **cart ➔ cart\_items (One-to-Many)**  
  One cart can contain multiple cart items.
* **cart ➔ orders (One-to-One)**  
  One cart can be checked out to form one order.

**ORDERS Table Relationships:**

* **orders ➔ order\_items (One-to-Many)**  
  One order includes multiple order items (products).
* **orders ➔ payments (One-to-Many)**  
  One order can have multiple payments (partial payments or retries).
* **orders ➔ returns (One-to-Many)**  
  One order can have multiple returns (for different items).
* **orders ➔ addresses (Many-to-One)**  
  One order uses exactly one shipping address.
* **orders ➔ delivery\_partners (Many-to-One)**  
  One order is delivered by one delivery partner.

**PAYMENTS Table Relationships:**

* **payments ➔ orders (Many-to-One)**  
  Each payment is linked to exactly one order.

**RETURNS Table Relationships:**

* **returns ➔ orders (Many-to-One)**  
  Each return request is for one order.
* **returns ➔ users (Many-to-One)**  
  Each return is requested by one user.

**DELIVERY\_PARTNERS Table Relationships:**

* **delivery\_partners ➔ orders (One-to-Many)**  
  One delivery partner can deliver many orders.