



This is an alternative representation of the database's relational schema :

`User(id, email, password, firstname, lastname, role, active)`

- **PK:** id
- **Unique:** (email, active)
- **Check:** role  $\in$  {'admin', 'client'}

`Address(id, user_id, street, city, postcode, country)`

- **PK:** id
- **Unique:** (user\_id)
- **FK:** user\_id  $\rightarrow$  User(id) ON DELETE CASCADE

`Product(productID, name, creator, price, description, color, stock, size, imagePath, category)`

- **PK:** productID
- **Enum:** category  $\in$  {'Plushies', 'Clothes', 'Accessories', 'Decorations'}

`Order(orderID, userID, orderStatus, purchaseDate, deliveryDate)`

- **PK:** orderID
- **FK:** userID  $\rightarrow$  User(id) ON DELETE SET NULL
- **Enum:** orderStatus  $\in$  {'In progress', 'Confirmed', 'Delivered'}

`OrderXProduct(orderID, productID, quantity, priceAtPurchase)`

- **PK:** (orderID, productID)
- **FK:** orderID  $\rightarrow$  Order(orderID) ON DELETE CASCADE
- **FK:** productID  $\rightarrow$  Product(productID) ON DELETE CASCADE

`Invoice(invoiceID, orderID, userID, invoiceDate, totalAmount)`

- **PK:** invoiceID
- **FK:** orderID  $\rightarrow$  Order(orderID) ON DELETE CASCADE
- **FK:** userID  $\rightarrow$  User(id) ON DELETE SET NULL