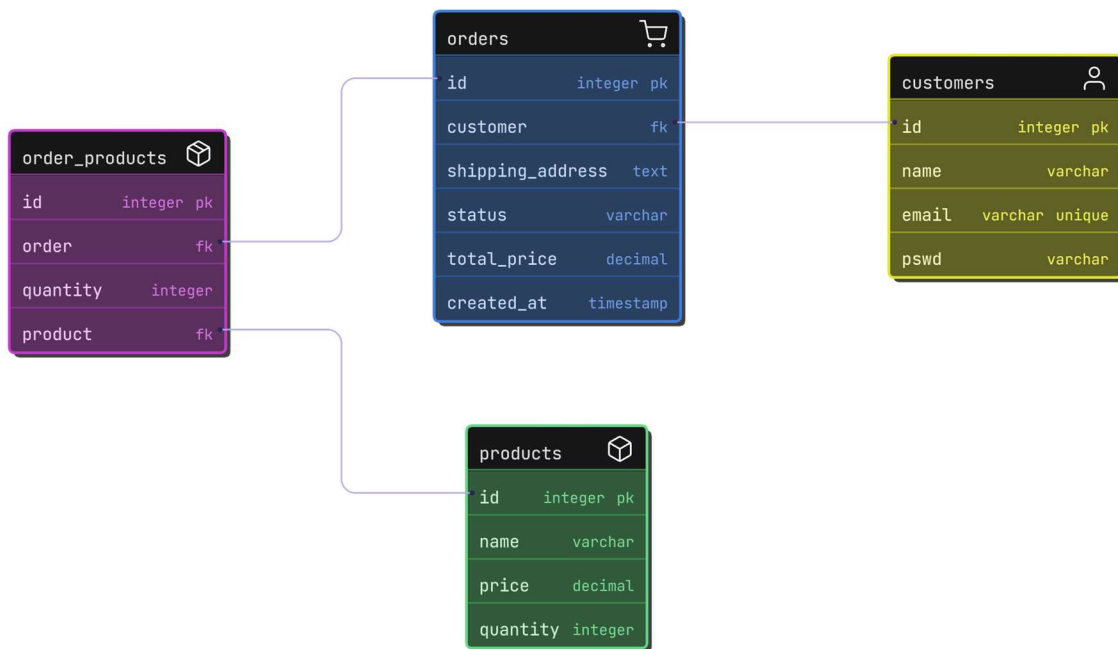# NestJS-based microservice ER Documentation

ER DIAGRAM

ENTITY-RELATIONSHIP DESCRIPTION

Customer Entity
Attributes:

- id: Primary key, auto-generated.
- name: Name of the customer (varchar).
- email: The customer's email address (varchar, unique).
- pswd: The customer's password (varchar).

Relationships:

A Customer can have many Orders (via a one-to-many relationship with the orders property in the Customer entity).

Product Entity

Attributes:

- id: Primary key, auto-generated.
- name: Name of the product (varchar).
- price: Price of the product (decimal).
- quantity: Quantity available for the product (integer).

Relationships:

A Product can appear in many OrderProduct entries (via a one-to-many relationship), meaning one product can be part of many orders.

It has a one-to-many relationship with OrderProduct, represented by the orders property in the Product entity.

Order Entity

Attributes:

- id: Primary key, auto-generated.
- customer: A foreign key to the Customer entity (many-to-one).
- Shipping Address: The address where the order will be shipped (text).
- status: The current status of the order, such as 'pending', 'shipped', 'delivered', or 'canceled' (varchar).
- Total Price: The total price of the order (decimal).
- Created At: The timestamp of when the order was created (timestamp).

Relationships:

A Customer can have many Orders (via a many-to-one relationship with the customer field).

An Order can contain multiple OrderProduct entries (via a one-to-many relationship with the products property in the Order entity).

OrderProduct Entity

Attributes:

- id: Primary key, auto-generated.
- order: A foreign key to the Order entity (many-to-one).
- product: A foreign key to the Product entity (many-to-one).
- quantity: The quantity of the product ordered (integer).

Relationships:

An Order Product links an Order to a Product, creating a many-to-many relationship between Order and Product (via the order and product fields in the OrderProduct entity).