# Database Description for "shop\_db"

## Introduction

The "shop\_db" database is designed to support a web-based e-commerce application. It consists of several tables that store information related to users, products, shopping carts, wishlists, messages, and orders.

### Tables

1. `cart`

Fields-

- `id` (Primary Key): Unique identifier for each cart item.

- `user\_id`: User identifier associated with the cart item.

- `pid`: Product identifier.

- `name`: Product name.

- `price`: Product price.

- `quantity`: Quantity of the product in the cart.

- `image`: Image path of the product.

2. `message`

Fields-

- `id` (Primary Key): Unique identifier for each message.

- `user\_id`: User identifier associated with the message.

- `name`: Sender's name.

- `email`: Sender's email address.

- `number`: Sender's contact number.

- `message`: Content of the message.

3. `order`

Fields-

- `id` (Primary Key): Unique identifier for each order.

- `user\_id`: User identifier associated with the order.

- `name`: Customer name.

- `number`: Customer contact number.

- `email`: Customer email address.

- `method`: Payment method used.

- `address`: Shipping address.

- `total\_products`: Total number of products in the order.

- `total\_price`: Total price of the order.

- `placed\_on`: Date when the order was placed.

- `payment\_status`: Payment status (default: 'pending').

4. `products`

Fields-

- `id` (Primary Key): Unique identifier for each product.

- `name`: Product name.

- `price`: Product price.

- `product\_detail`: Details about the product.

- `image`: Image path of the product.

5. `users`

Fields-

- `id` (Primary Key): Unique identifier for each user.

- `name`: User's name.

- `email`: User's email address.

- `password`: User's hashed password.

- `user\_type`: User type (default: 'user').

6. `wishlist`

Fields-

- `id` (Primary Key): Unique identifier for each wishlist item.

- `user\_id`: User identifier associated with the wishlist item.

- `pid`: Product identifier.

- `name`: Product name.

- `price`: Product price.

- `image`: Image path of the product.

### Relationships

- The `user\_id` field in the `cart`, `message`, `order`, and `wishlist` tables establishes a relationship with the `users` table.

- The `pid` field in the `cart`, `order`, and `wishlist` tables establishes a relationship with the `products` table.

Data Integrity

- Foreign key relationships are not explicitly defined in the schema, but the `user\_id` and `pid` fields act as references to the `users` and `products` tables, respectively.

### Note

- The database includes sample data in the `message`, `order`, `products`, and `users` tables to illustrate how the tables are populated.

This database schema serves as the foundation for an e-commerce platform, allowing users to manage their carts, wishlists, orders, and messages while also providing information about products and user accounts.