# A close-up of flowers Description automatically generated

# Summary

## Database Schema

Product table:

Graphical user interface, application

Description automatically generated

Order table:

Table

Description automatically generated

User Table:

Table

Description automatically generated

Comment Table:

Table

Description automatically generated

## Database Relationship

Graphical user interface, application

Description automatically generated

## Database Sample Data

Product table

Table

Description automatically generated

User table

Graphical user interface, text, application

Description automatically generated

Comment Table

Graphical user interface, text, application, email

Description automatically generated

Order\_item table

Background pattern, table

Description automatically generated with medium confidence

## Database Construction

## 1.Account management

Application

Description automatically generated with low confidence

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

## 2. tables construction

Comment table:

Graphical user interface

Description automatically generated with medium confidence

Order\_item table

Graphical user interface, text, application, chat or text message

Description automatically generated

Product table

Graphical user interface, text, application

Description automatically generated

User

Graphical user interface, text, application

Description automatically generated

## 3. Populate tables

Order\_item table

Table

Description automatically generated

Comment table

Graphical user interface, application

Description automatically generated

Product table

A picture containing text

Description automatically generated

User table

Graphical user interface

Description automatically generated

## Conclusion

## what I feel that I did well:

I did the whole process of constructing a database for my business e-commerce website.

I took some sample data like comments, products etc from Walmart’s online shopping store. So that it’s relevant information.

## what I think I can improve on:

My schema comment table includes duplicate fields that are already contained in the user table. Which is not optimized(I could just keep the user id reference in the comment). I know that, and I just want to seamlessly migrate the previous PHP writing-to-file comment system to the writing-to-db comment system. So I didn’t change the field.