

# E-Commerce SQL

## Notions

- [Introduction CDM](#)
- [Vidéo: Fake Data in PHP](#)
- [Faker PHP](#)
- [SQL : Syntax](#)

## Instructions

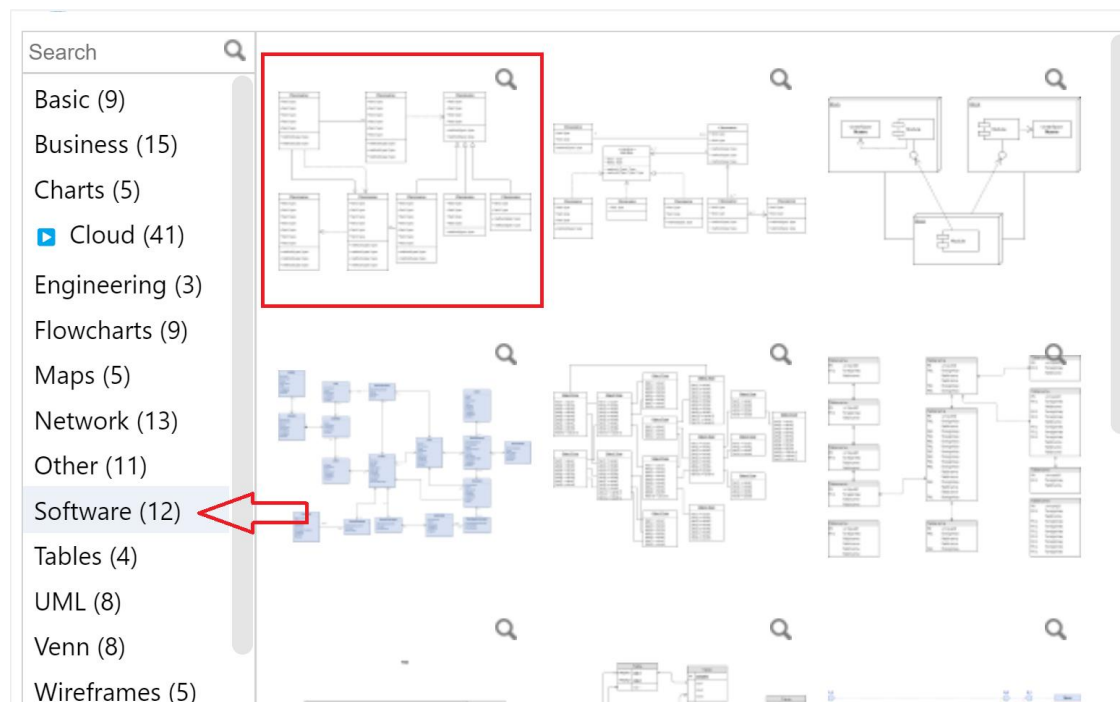
The goal of this project is to make the database of an e-commerce website.

Create a repository e-commerce-SQL. Put all of your files in this folder.

## MCD

First, you will have to make an MCD (Conceptual Data model) of the database -> You can use [draw.io](#) or anything else to make it.

If you use draw.io, select this model **Software** -> first model



All the relations have to be display on the MCD.

**Make sure to think of all the relations and attributes your elements must have before starting to create the DB**

## DataBase

Next, create the database using the PhpMyAdmin tool or command line.

Your database must contain the followings tables and must respect exactly your MCD:

- user table : informations about users
- adress table : adress from users
- product table : Product selling from your website
- cart table: user cart (list of items waiting to be purchased)
- command table: user shopping list (list of items being delivered)
- invoices table: order historyall the junction table
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All the private informations must be crypted !

## Optional Table

- photo table : photos of users and products
- rate table : product rating from users
- payment table : payment method from users with informations (IBAN, card number, etc...)

## Fixtures

Finally, make a script in the language of you choice (PHP seems to be a perfect fit) that can fill the database with fake **but relevant** data. It can be a script full of SQL commands, or a script in a certain language that perform SQL Queries with generated data.

For example, the library [Faker](#) in js can help you generate relevant but random data. You have some other examples [here](#).