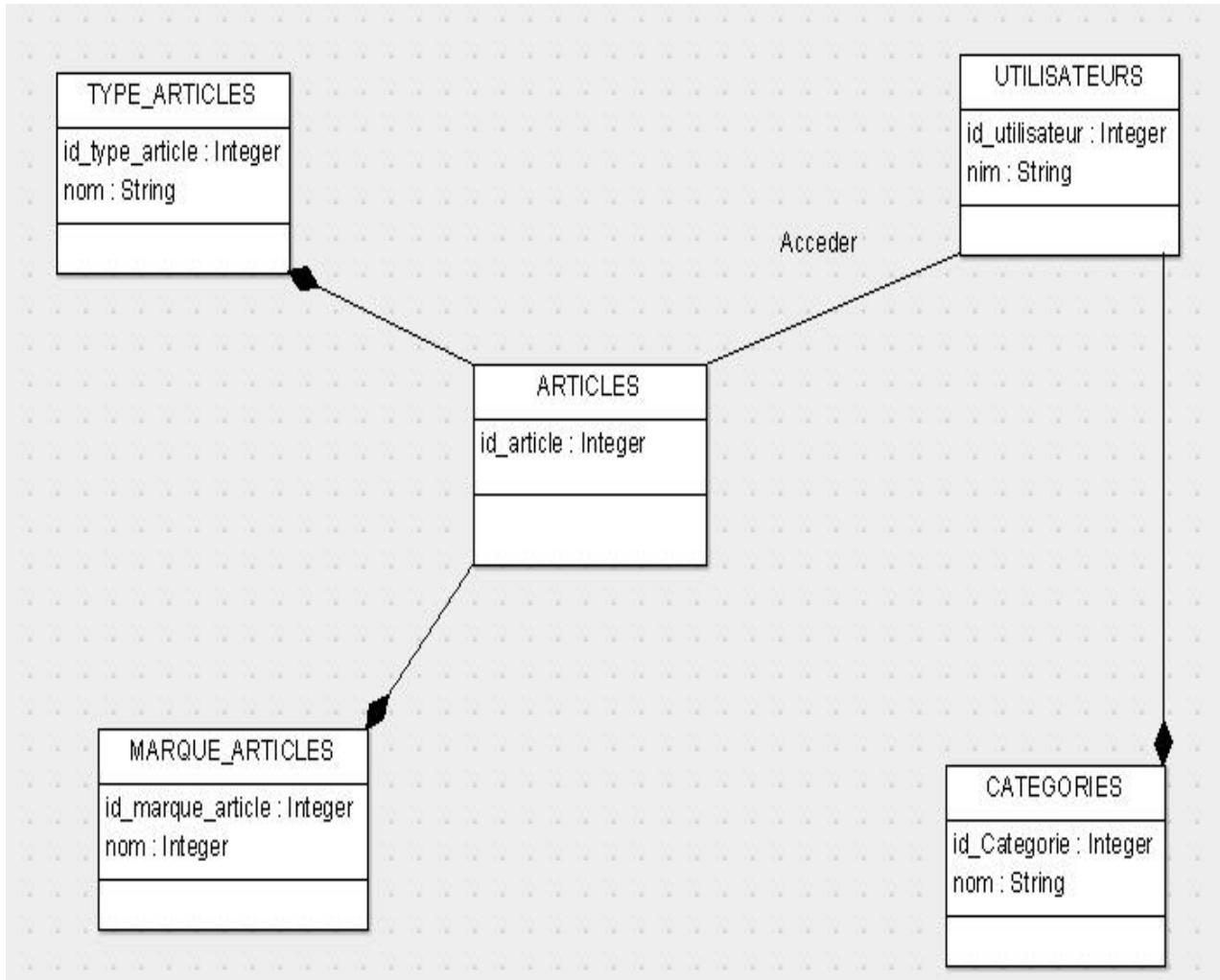


Sarah

Lisangola

Créer une base de données en tenant compte des associations multitable

1. Le diagramme de la BDD



2. Requête pour créer une base de données

```
invite de commandes - mysql -u root
C:\Users\KDieu>mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.6.15-log MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ceu |
| jojofashion |
| jojofashion |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
8 rows in set (0.05 sec)

mysql> drop database jojofashion;
Query OK, 1 row affected (0.07 sec)

mysql> create database jojofashion;
Query OK, 1 row affected (0.02 sec)

mysql>
```

3.La requête pour créer des tables

a.Utilisateurs

```
invite de commandes - mysql -u root
C:\Users\KDieu>mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.6.15-log MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ceu |
| jojofashion |
| jojofashion |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
8 rows in set (0.00 sec)

mysql> use jojofashion;
Database changed
mysql> create table utilisateurs(
    -> id_utilisateur int not null auto_increment primary key,
    -> nom varchar(40),
    -> num_categorie.utilisateur int not null);
Query OK, 0 rows affected (0.13 sec)

mysql>
```

```
Invité de commandes - mysql -u root
C:\Users\KDieux>mysql -u root
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.6.15-log MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ceu |
| jojofashhion |
| jojofashion |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
8 rows in set (0.00 sec)

mysql> use jojofashion;
Database changed
mysql> create table utilisateurs(
    -> id_utilisateur int not null auto_increment primary key,
    -> nom varchar(40),
    -> num_categorie_utilisateur int not null);
Query OK, 0 rows affected (0.13 sec)

mysql> alter table utilisateurs add constraint id_categorie_utilisateur foreign key(num_categorie_utilisateur) references categorie_utilisateur(id_categorie_utilisateur);
Query OK, 0 rows affected (0.33 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
```

b.Articles

```
Invité de commandes - mysql -u root
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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ceu |
| jojofashhion |
| jojofashion |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.00 sec)

mysql> use jojofashion;
Database changed
mysql> create table utilisateurs(
    -> id_utilisateur int not null auto_increment primary key,
    -> nom varchar(40),
    -> num_categorie_utilisateur int not null);
Query OK, 0 rows affected (0.13 sec)

mysql> alter table utilisateurs add constraint id_categorie_utilisateur foreign key(num_categorie_utilisateur) references categorie_utilisateur(id_categorie_utilisateur);
Query OK, 0 rows affected (0.33 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> create table articles(
    -> id_article int not null primary key,
    -> num_type_article int not null,
    -> num_marque_article int not null,
    -> constraint id_type_article Foreign key(num_type_article) references type_article(id_type_article));
Query OK, 0 rows affected (0.10 sec)

mysql>
```

c.Marque_articles,type_articles, catégorie_utilisateurs

```
Invité de commandes - mysql -u root
+-----+
| jojfashion |
| mysql      |
| performance_schema |
| phpmyadmin |
| test       |
+-----+
8 rows in set (0.00 sec)

mysql> use jojfashion;
Database changed
mysql> create table utilisateurs(
    -> id_utilisateur int not null auto_increment primary key,
    -> nom varchar(40),
    -> num_categorie_utilisateur int not null);
Query OK, 0 rows affected (0.13 sec)

mysql> alter table utilisateurs add constraint id_categorie_utilisateur foreign key(num_categorie_utilisateur) references categorie_utilisateur(id_categorie_utilisateur);
Query OK, 0 rows affected (0.33 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> create table articles(
    -> id_article int not null primary key,
    -> num_type_article int not null,
    -> num_marque_article int not null,
    -> constraint id_type_article foreign key(num_type_article) references type_article(id_type_article));
Query OK, 0 rows affected (0.10 sec)

mysql> create table marque_articles(
    -> id_marque_article int not null auto_increment primary key,
    -> nom varchar(40) not null);
Query OK, 0 rows affected (0.10 sec)

mysql> create table type_articles(
    -> id_type_article int not null auto_increment primary key,
    -> nom varchar(40) not null);
Query OK, 0 rows affected (0.11 sec)

mysql> create table categorie_utilisateurs(
    -> id_categorie_utilisateurs int not null auto_increment primary key,
    -> nom varchar(40) not null);
Query OK, 0 rows affected (0.07 sec)

mysql>
```

4.La requete pour insérer les données dans les tables

a.Categorie

```
Invité de commandes - mysql -u root
+-----+
| id_utilisateur int not null auto_increment primary key,
| nom varchar(40),
| num_categorie_utilisateur int not null;
Query OK, 0 rows affected (0.13 sec)

mysql> alter table utilisateurs add constraint id_categorie_utilisateur foreign key(num_categorie_utilisateur) references categorie_utilisateur(id_categorie_utilisateur);
Query OK, 0 rows affected (0.33 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> create table articles(
    -> id_article int not null primary key,
    -> num_type_article int not null,
    -> num_marque_article int not null,
    -> constraint id_type_article foreign key(num_type_article) references type_article(id_type_article));
Query OK, 0 rows affected (0.10 sec)

mysql> create table marque_articles(
    -> id_marque_article int not null auto_increment primary key,
    -> nom varchar(40) not null);
Query OK, 0 rows affected (0.10 sec)

mysql> create table type_articles(
    -> id_type_article int not null auto_increment primary key,
    -> nom varchar(40) not null);
Query OK, 0 rows affected (0.11 sec)

mysql> create table categorie_utilisateurs(
    -> id_categorie_utilisateurs int not null auto_increment primary key,
    -> nom varchar(40) not null);
Query OK, 0 rows affected (0.07 sec)

mysql> insert into categorie_utilisateurs(nom) values ('gerant');
Query OK, 1 row affected (0.06 sec)

mysql> select * from categorie_utilisateurs;
+-----+
| id_categorie_utilisateurs | nom   |
+-----+
| 1                         | gerant |
+-----+
1 row in set (0.00 sec)

mysql>
```

```

mysql> insert into categorie_utilisateurs(nom) values ('agent commercial'),('client'),('internaute');
Query OK, 3 rows affected (0.02 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from categorie_utilisateurs;
+-----+-----+
| id_categorie_utilisateurs | nom      |
+-----+-----+
|           1 | gerant   |
|           2 | agent commercial |
|           3 | client    |
|           4 | internaute |
+-----+-----+
4 rows in set (0.00 sec)

mysql>

```

b.Utilisateurs

```

mysql> insert into utilisateurs(nom,num_categorie_utilisateur) values ('eco',5),('dax',6),('cantu',7);
Query OK, 3 rows affected (0.09 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from utilisateurs;
+-----+-----+-----+
| id_utilisateur | nom      | num_categorie_utilisateur |
+-----+-----+-----+
|           1 | eco      |             5 |
|           2 | dax      |             6 |
|           3 | cantu   |             7 |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>

```



c.Type

```

mysql> insert into type_articles(nom) values ('shirt'),('pullover');
Query OK, 2 rows affected (0.05 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> select * from type_articles;
+-----+-----+
| id_type_article | nom      |
+-----+-----+
|           1 | shirt    |
|           2 | pullover |
+-----+-----+
2 rows in set (0.00 sec)

mysql>

```



d.Marque

```

mysql> insert into marque_articles(nom) values ('dior'),('givenchy'),('nike'),('adidas');
Query OK, 4 rows affected (0.05 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from marque_articles;
+-----+-----+
| id_marque_article | nom      |
+-----+-----+
|           1 | dior     |
|           2 | givenchy |
|           3 | nike     |
|           4 | adidas   |
+-----+-----+
4 rows in set (0.00 sec)

mysql>

```



e.Articles

```
mysql> insert into articles(id_article,num_type_article,num_marque_article) values (1,2,3),(4,5,6),(7,8,9);
Query OK, 3 rows affected (0.09 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from articles;
+-----+-----+-----+
| id_article | num_type_article | num_marque_article |
+-----+-----+-----+
|      1 |              2 |                  3 |
|      4 |              5 |                  6 |
|      7 |              8 |                  9 |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

5.La requete pour la suppression d'une catégorie d'articles

```
mysql Invité de commandes - mysql -uroot
mysql> insert into my_articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('pantalon','boyF' at line 1
mysql> insert into my_articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('pantalon','boyfriend',15,'levis',45,42);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'articles (nom,
type,prixUHT,marque,quantiteStock,taille) values ('pantalon','boy' at line 1
mysql> insert into articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('boyfriend','pantalon',15,'levis',45,42);
Query OK, 1 row affected (0.07 sec)

mysql> insert into articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('denudes','haut',20,'zara',45,23);
Query OK, 1 row affected (0.02 sec)

mysql> select * from articles;
+-----+-----+-----+-----+-----+-----+
| id_article | nom      | type    | prixUHT | marque   | quantiteStock | taille |
+-----+-----+-----+-----+-----+-----+
|      1 | boyfriend | pantalon |      15 | levis    |          45 |     42 |
|      2 | denudes   | haut     |      20 | zara     |          45 |     23 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> update articles set marque = 'marque article',quantiteStock = 20 where id_article = 1;
Query OK, 1 row affected (0.10 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from articles;
+-----+-----+-----+-----+-----+-----+
| id_article | nom      | type    | prixUHT | marque   | quantiteStock | taille |
+-----+-----+-----+-----+-----+-----+
|      1 | boyfriend | pantalon |      15 | marque article |      20 |     42 |
|      2 | denudes   | haut     |      20 | zara     |          45 |     23 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> delete from articles where id_article = 1;
Query OK, 1 row affected (0.01 sec)

mysql> select * from articles;
+-----+-----+-----+-----+-----+-----+
| id_article | nom      | type    | prixUHT | marque   | quantiteStock | taille |
+-----+-----+-----+-----+-----+-----+
|      2 | denudes   | haut     |      20 | zara     |          45 |     23 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

6.La requete pour supprimer des enregistrements

```
mysql> delete from articles where id_article=1;
Query OK, 1 row affected (0.10 sec)

mysql> select * from articles;
+-----+-----+-----+
| id_article | num_type_article | num_marque_article |
+-----+-----+-----+
|      4 |              5 |                  6 |
|      7 |              8 |                  9 |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

7.La requete pour lister les articles

Malheureusement ne marchait pas chez moi,je ne sais pas pourquoi,

Sinon elle est là :

```
Select type_articles.nom,marque_articles.nom from type_articles inner join articles on  
type_articles.id_type_article = articles.num_type_article inner join marque_articles on  
marque_articles.id_marque_article = articles.num_marque_article where marque_articles.nom =  
'nike' and type_articles.nom = 'chaussures' ;
```

