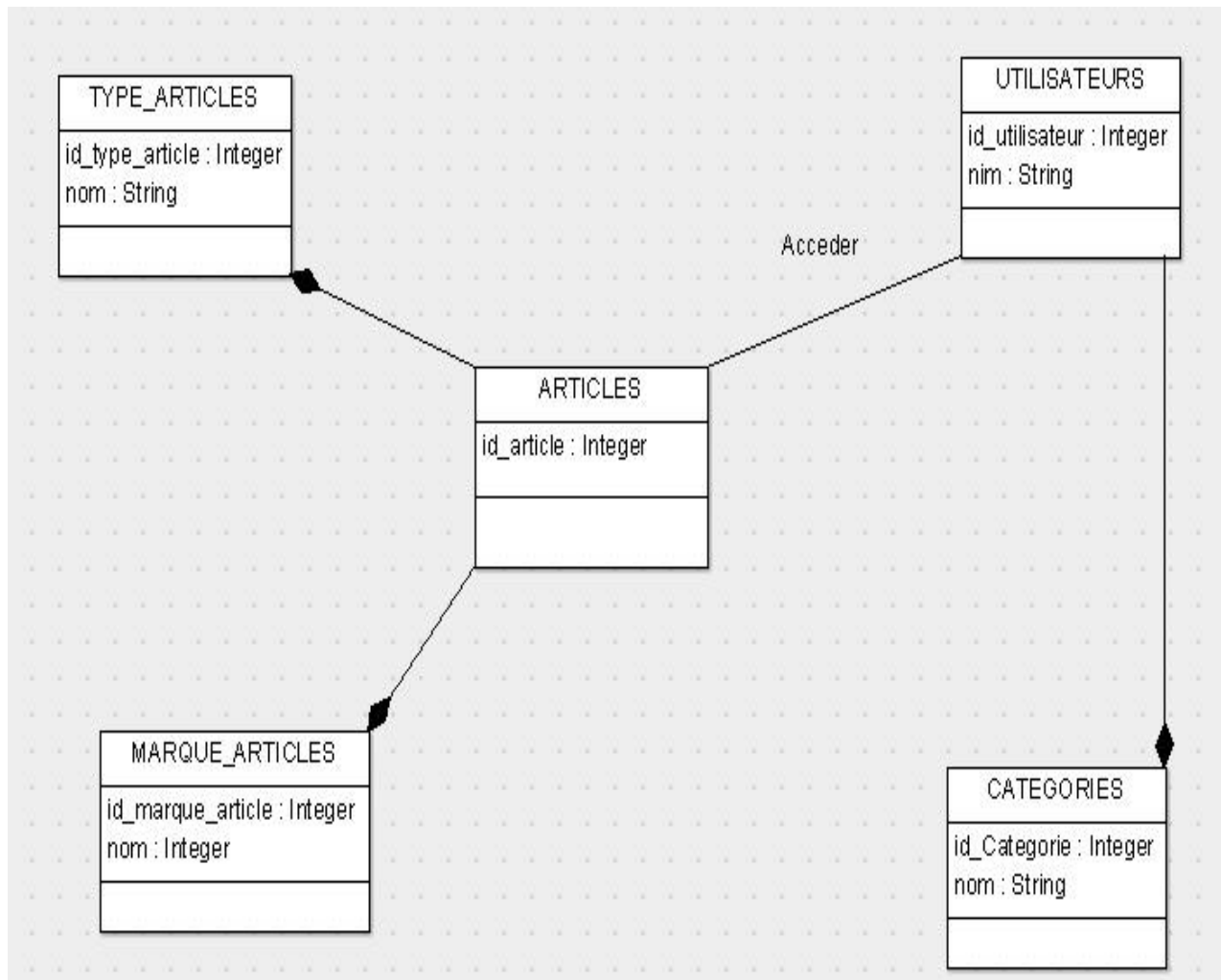


Sarah

Lisangola

Créer une base de données en tenant compte des associations multitables

1. Le diagramme de la BDD



2. Requete 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 |
| jojofasfhion |
| 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 requete 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 |
| jojofasfhion |
| 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>
```

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

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| ceu |
| jojofasfhion |
| 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

```
Invite 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 |
| jojofasfhion |
| 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> 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

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

mysql> use jojoofashion;
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. Catégorie

```
Invite 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 (0.00 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 (0.00 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> insert into my articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('pantalon','boyf' at line 1
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,t
mysql> insert into articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('pantalon','boyf' at line 1
Query OK, 1 row affected (0.07 sec)

mysql> insert into articles (nom,type,prixUHT,marque,quantiteStock,taille) values ('boyfriend','pantalon',15,'levis',45,42);
Query OK, 1 row affected (0.02 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 pou 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' ;
```

