Rapport de conception

# Dictionnaire de données

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table** | **Nom** | **Type** | **Taille** | **Description** |
| **Users** | Id\_user | AUTO\_INCREMENT |  | Id de l'utilisateur |
| Firstname | VARCHAR | 50 | Prénom de l'utilisateur |
| Lastname | VARCHAR | 50 | Nom de l'utilisateur |
| Mail | VARCHAR | 50 | Adresse mail de l'utilisateur |
| Password | VARCHAR | 15 | Mot de pase de l'utilisateur |
| Status | VARCHAR | 10 | Type d'utilisateur |
| **Centers** | Id\_center | AUTO\_INCREMENT |  | Id du centrer |
| Name\_center | VARCHAR | 50 | Nom du centre |
| **Orders** | Id\_order | AUTO\_INCREMENT |  | Id de la commande |
| Date\_order | DATE |  | Date de la commande |
| Price\_order | MONEY |  | Prix de la commande |
| Amount | SMALLINT | 511 | Nombre d'articles commandés |
| **Events** | Id\_event | AUTO\_INCREMENT |  | Id de l'événement |
| Title\_event | VARCHAR | 255 | Titre de l'événement |
| Description\_event | VARCHAR | 255 | Description de l'événement |
| Approval\_event | BOOLEAN |  | Approbation du BDE |
| Date\_event | DATE |  | Date de l'événement |
| Reccurent | BOOLEAN |  | L'événement est récurrent |
| Price\_event | MONEY |  | Coût d'inscription à l'événement |
| Voted\_event | BOOLEAN |  | Vote pour l'événement |
| **Products** | Id\_product | AUTO\_INCREMENT |  | Id du produit |
| Name\_product | VARCHAR |  | Nom du produit |
| Price\_product | MONEY |  | Prix du produit |
| Description\_product | VARCHAR | 255 | Description du produit |
| Sell\_product | INT |  | Nombre de fois vendu |
| Stock\_product | SMALLINT | 511 | Nombre de produit en stock |
| **Photos** | Id\_photo | AUTO\_INCREMENT |  | Id de la photo |
| Photo\_name | VARCHAR | 255 | Nom de la photo |
| Is\_public | BOOLEAN |  | L'événement est public |
| **Comments** | Id\_comment | AUTO\_INCREMENT |  | Id du commentaire |
| Comment | VARCHAR | 255 | Commentaire sous une image |

# Matrice des dépendances fonctionnelles

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Id\_user** | **Mail** | **Id\_center** | **Id\_order** | **Id\_event** | **Id\_product** | **Id\_photo** |
| **Id\_user** |  |  |  |  |  |  |  |
| **Firstname** |  |  |  |  |  |  |  |
| **Lastname** |  |  |  |  |  |  |  |
| **Mail** |  |  |  |  |  |  |  |
| **Password** |  |  |  |  |  |  |  |
| **Status** |  |  |  |  |  |  |  |
| **Id\_center** |  |  |  |  |  |  |  |
| **Name\_center** |  |  |  |  |  |  |  |
| **Id\_order** |  |  |  |  |  |  |  |
| **Date\_order** |  |  |  |  |  |  |  |
| **Price\_order** |  |  |  |  |  |  |  |
| **Amount** |  |  |  |  |  |  |  |
| **Id\_event** |  |  |  |  |  |  |  |
| **Title\_event** |  |  |  |  |  |  |  |
| **Description\_event** |  |  |  |  |  |  |  |
| **Approval\_event** |  |  |  |  |  |  |  |
| **Date\_event** |  |  |  |  |  |  |  |
| **Reccurent** |  |  |  |  |  |  |  |
| **Price\_event** |  |  |  |  |  |  |  |
| **Voted\_event** |  |  |  |  |  |  |  |
| **Id\_product** |  |  |  |  |  |  |  |
| **Name\_product** |  |  |  |  |  |  |  |
| **Price\_product** |  |  |  |  |  |  |  |
| **Description\_product** |  |  |  |  |  |  |  |
| **Sell\_product** |  |  |  |  |  |  |  |
| **Stock\_product** |  |  |  |  |  |  |  |
| **Id\_photo** |  |  |  |  |  |  |  |
| **Photo\_name** |  |  |  |  |  |  |  |
| **Is\_public** |  |  |  |  |  |  |  |
| **Id\_comment** |  |  |  |  |  |  |  |
| **Comment** |  |  |  |  |  |  |  |

# MCD

# MLD

# Script SQL

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# Script MySQL

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# Database: dbbde

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CREATE DATABASE dbbde;

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# Table: Products

#------------------------------------------------------------

CREATE TABLE Products(

Id\_product Int Auto\_increment NOT NULL ,

Name\_product Varchar (50) NOT NULL ,

Price\_product DECIMAL (15,3) NOT NULL ,

Description\_product Varchar (255) ,

Sold\_product Int NOT NULL ,

Stock\_product Smallint NOT NULL

,CONSTRAINT Products\_PK PRIMARY KEY (Id\_product)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Centers

#------------------------------------------------------------

CREATE TABLE Centers(

Id\_center Int Auto\_increment NOT NULL ,

Name\_center Varchar (50) NOT NULL

,CONSTRAINT Centers\_PK PRIMARY KEY (Id\_center)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Users

#------------------------------------------------------------

CREATE TABLE Users(

Id\_user Int Auto\_increment NOT NULL ,

Firstname Varchar (50) NOT NULL ,

Lastname Varchar (50) NOT NULL ,

Mail Varchar (50) NOT NULL ,

Password Varchar (16) NOT NULL ,

Status Varchar (10) NOT NULL ,

Id\_center Int NOT NULL

,CONSTRAINT Users\_PK PRIMARY KEY (Id\_user)

,CONSTRAINT Users\_Centers\_FK FOREIGN KEY (Id\_center) REFERENCES Centers(Id\_center)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Events

#------------------------------------------------------------

CREATE TABLE Events(

Id\_event Int Auto\_increment NOT NULL ,

Title\_event Varchar (255) NOT NULL ,

Description\_event Varchar (255) NOT NULL ,

Comment\_event Varchar (255) ,

Approval\_event Bool NOT NULL ,

Date\_event Date NOT NULL ,

Recurrent Bool NOT NULL ,

Price\_event DECIMAL (15,3) NOT NULL ,

Voted\_event Bool NOT NULL ,

Id\_user Int NOT NULL ,

Id\_user\_Users Int NOT NULL

,CONSTRAINT Events\_PK PRIMARY KEY (Id\_event)

,CONSTRAINT Events\_Users\_FK FOREIGN KEY (Id\_user) REFERENCES Users(Id\_user)

,CONSTRAINT Events\_Users0\_FK FOREIGN KEY (Id\_user\_Users) REFERENCES Users(Id\_user)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Photos

#------------------------------------------------------------

CREATE TABLE Photos(

Id\_photo Int Auto\_increment NOT NULL ,

Photo\_name Varchar (255) ,

Is\_public Bool NOT NULL ,

Id\_user Int ,

Id\_event Int NOT NULL

,CONSTRAINT Photos\_PK PRIMARY KEY (Id\_photo)

,CONSTRAINT Photos\_Users\_FK FOREIGN KEY (Id\_user) REFERENCES Users(Id\_user)

,CONSTRAINT Photos\_Events0\_FK FOREIGN KEY (Id\_event) REFERENCES Events(Id\_event)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Orders

#------------------------------------------------------------

CREATE TABLE Orders(

Id\_order Int Auto\_increment NOT NULL ,

Date\_order Date NOT NULL ,

Price\_order DECIMAL (15,3) NOT NULL ,

Amount Smallint NOT NULL ,

Id\_user Int NOT NULL

,CONSTRAINT Orders\_PK PRIMARY KEY (Id\_order)

,CONSTRAINT Orders\_Users\_FK FOREIGN KEY (Id\_user) REFERENCES Users(Id\_user)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Comments

#------------------------------------------------------------

CREATE TABLE Comments(

Id\_comment Int Auto\_increment NOT NULL ,

Comment Varchar (255) ,

Id\_photo Int NOT NULL ,

Id\_user Int NOT NULL

,CONSTRAINT Comments\_PK PRIMARY KEY (Id\_comment)

,CONSTRAINT Comments\_Photos\_FK FOREIGN KEY (Id\_photo) REFERENCES Photos(Id\_photo)

,CONSTRAINT Comments\_Users0\_FK FOREIGN KEY (Id\_user) REFERENCES Users(Id\_user)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Contains

#------------------------------------------------------------

CREATE TABLE Contains(

Id\_order Int NOT NULL ,

Id\_product Int NOT NULL

,CONSTRAINT Contains\_PK PRIMARY KEY (Id\_order,Id\_product)

,CONSTRAINT Contains\_Orders\_FK FOREIGN KEY (Id\_order) REFERENCES Orders(Id\_order)

,CONSTRAINT Contains\_Products0\_FK FOREIGN KEY (Id\_product) REFERENCES Products(Id\_product)

)ENGINE=InnoDB;

#------------------------------------------------------------

# Table: Sign\_in

#------------------------------------------------------------

CREATE TABLE Sign\_in(

Id\_event Int NOT NULL ,

Id\_user Int NOT NULL

,CONSTRAINT Sign\_in\_PK PRIMARY KEY (Id\_event,Id\_user)

,CONSTRAINT Sign\_in\_Events\_FK FOREIGN KEY (Id\_event) REFERENCES Events(Id\_event)

,CONSTRAINT Sign\_in\_Users0\_FK FOREIGN KEY (Id\_user) REFERENCES Users(Id\_user)

)ENGINE=InnoDB;