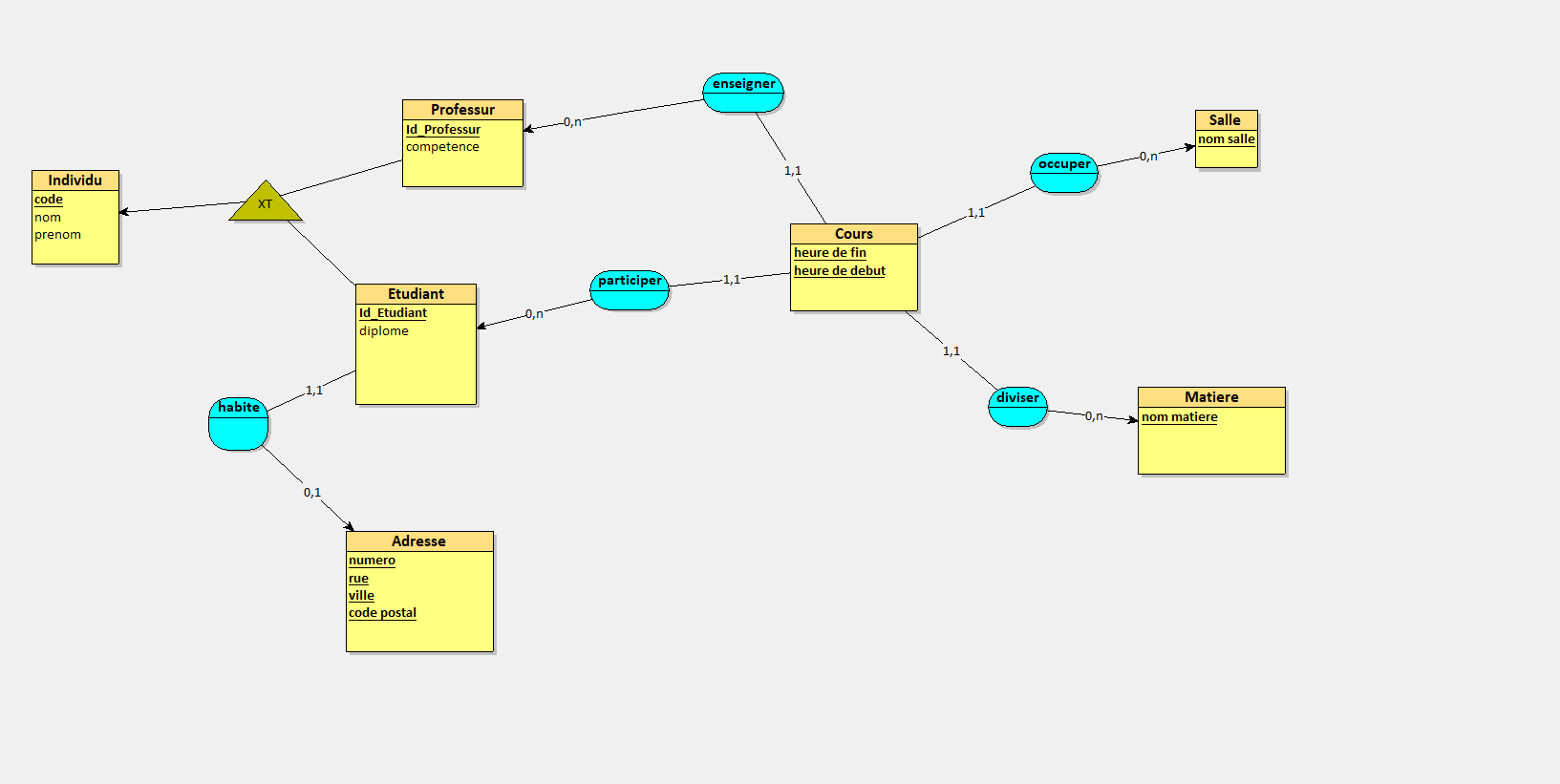
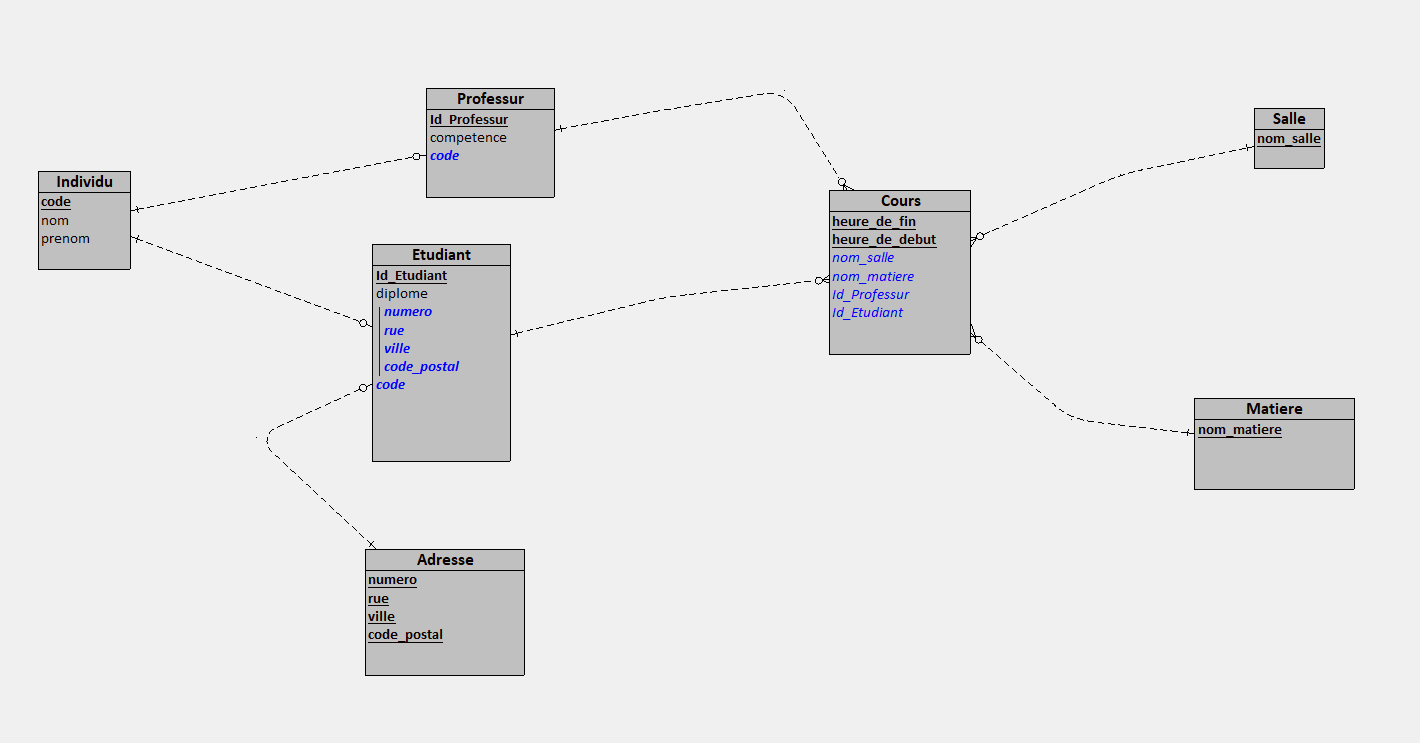
**MCD**

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**MLD**

**MPD / SQL**

CREATE TABLE Matiere(

nom\_matiere VARCHAR(50),

PRIMARY KEY(nom\_matiere)

);

CREATE TABLE Salle(

nom\_salle VARCHAR(50),

PRIMARY KEY(nom\_salle)

);

CREATE TABLE Individu(

code VARCHAR(50),

nom VARCHAR(50),

prenom VARCHAR(50),

PRIMARY KEY(code)

);

CREATE TABLE Adresse(

numero VARCHAR(50),

rue VARCHAR(50),

ville VARCHAR(50),

code\_postal VARCHAR(50),

PRIMARY KEY(numero, rue, ville, code\_postal)

);

CREATE TABLE Professur(

Id\_Professur COUNTER,

competence VARCHAR(50),

code VARCHAR(50) NOT NULL,

PRIMARY KEY(Id\_Professur),

UNIQUE(code),

FOREIGN KEY(code) REFERENCES Individu(code)

);

CREATE TABLE Etudiant(

Id\_Etudiant COUNTER,

diplome VARCHAR(50),

numero VARCHAR(50) NOT NULL,

rue VARCHAR(50) NOT NULL,

ville VARCHAR(50) NOT NULL,

code\_postal VARCHAR(50) NOT NULL,

code VARCHAR(50) NOT NULL,

PRIMARY KEY(Id\_Etudiant),

UNIQUE(numero, rue, ville, code\_postal),

UNIQUE(code),

FOREIGN KEY(numero, rue, ville, code\_postal) REFERENCES Adresse(numero, rue, ville, code\_postal),

FOREIGN KEY(code) REFERENCES Individu(code)

);

CREATE TABLE Cours(

heure\_de\_fin VARCHAR(50),

heure\_de\_debut VARCHAR(50),

nom\_salle VARCHAR(50) NOT NULL,

nom\_matiere VARCHAR(50) NOT NULL,

Id\_Professur INT NOT NULL,

Id\_Etudiant INT NOT NULL,

PRIMARY KEY(heure\_de\_fin, heure\_de\_debut),

FOREIGN KEY(nom\_salle) REFERENCES Salle(nom\_salle),

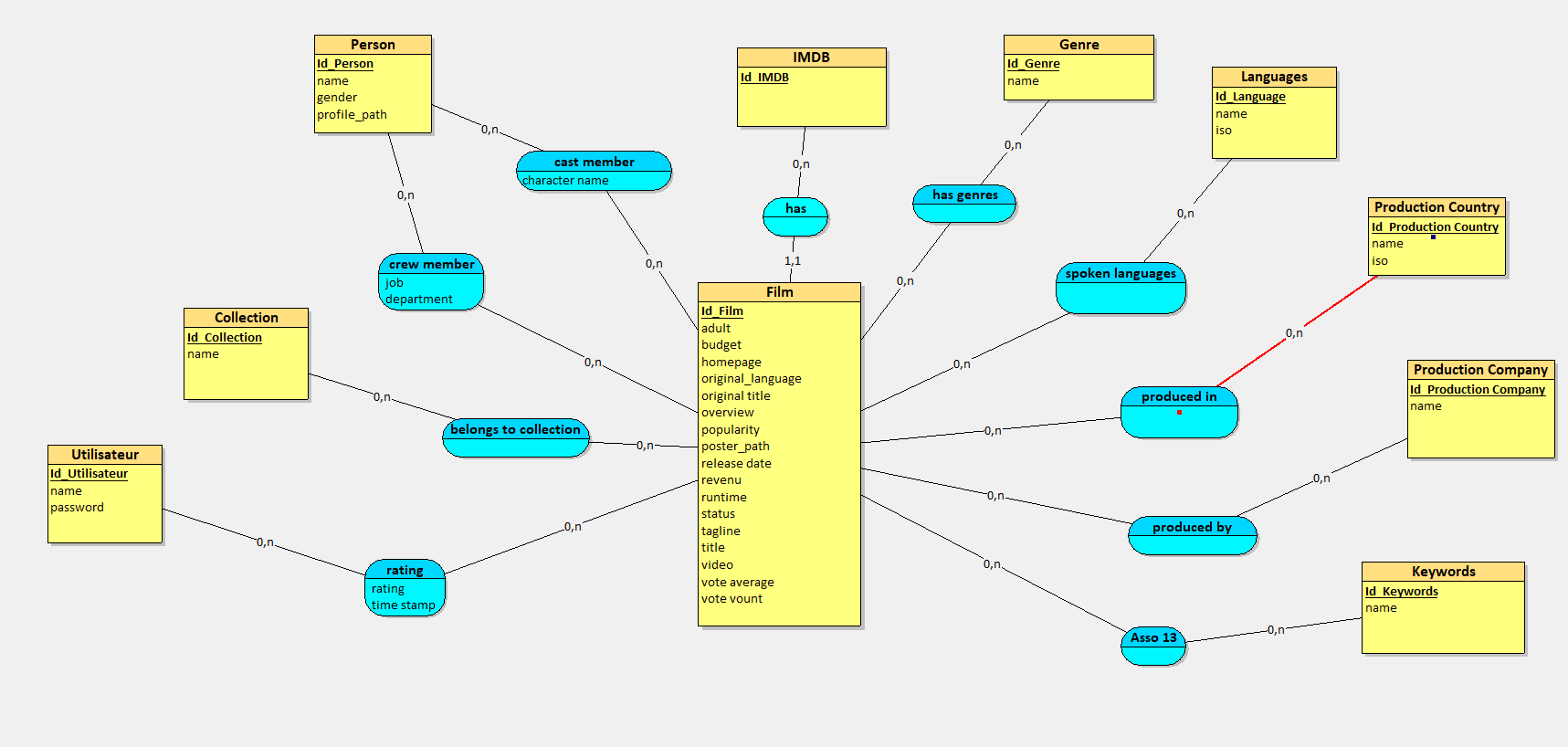
FOREIGN KEY(nom\_matiere) REFERENCES Matiere(nom\_matiere),

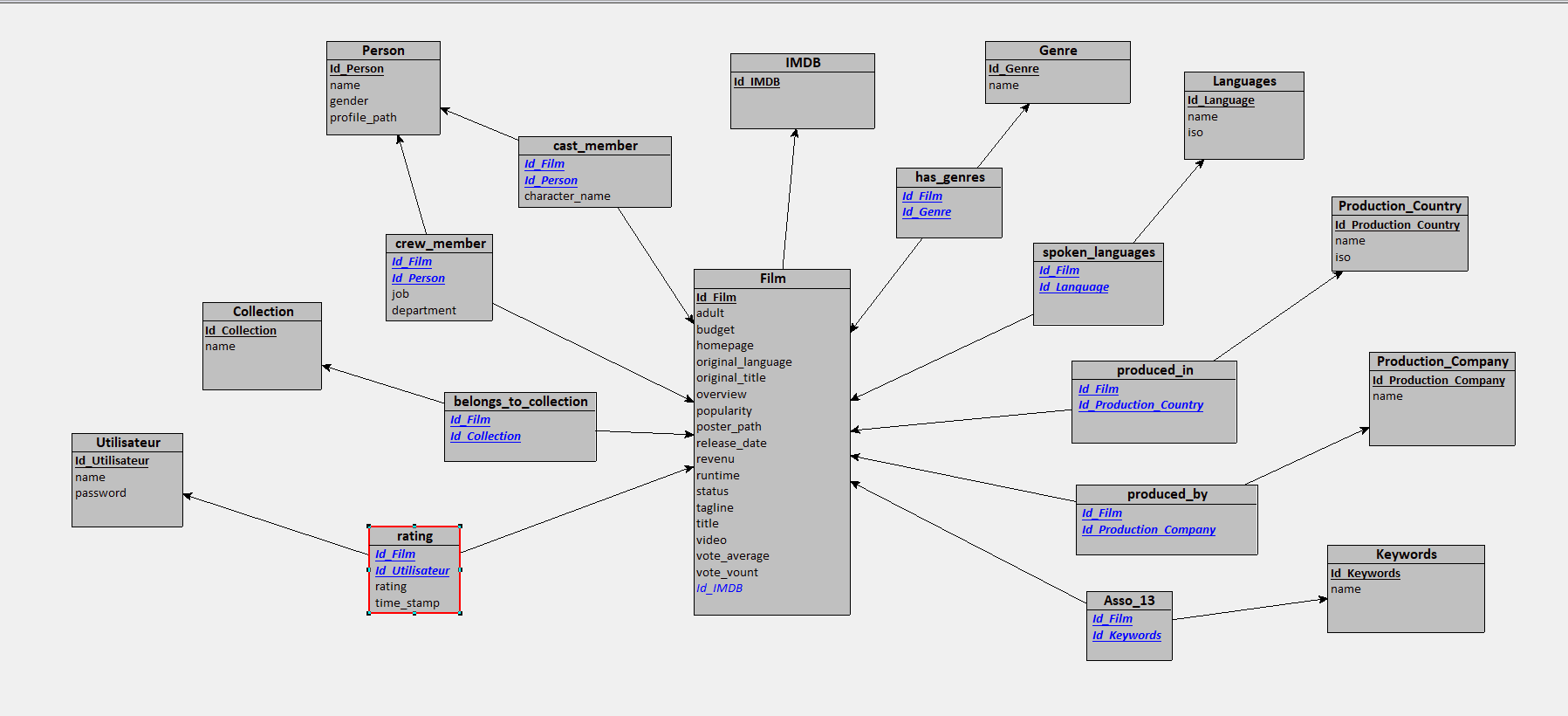
FOREIGN KEY(Id\_Professur) REFERENCES Professur(Id\_Professur),

FOREIGN KEY(Id\_Etudiant) REFERENCES Etudiant(Id\_Etudiant)

);

Bonus Netflix





SQL

CREATE TABLE Genre(

Id\_Genre COUNTER,

name VARCHAR(50),

PRIMARY KEY(Id\_Genre)

);

CREATE TABLE Production\_Country(

Id\_Production\_Country COUNTER,

name VARCHAR(50),

iso VARCHAR(50),

PRIMARY KEY(Id\_Production\_Country)

);

CREATE TABLE Languages(

Id\_Language COUNTER,

name VARCHAR(50),

iso VARCHAR(50),

PRIMARY KEY(Id\_Language)

);

CREATE TABLE Collection(

Id\_Collection COUNTER,

name VARCHAR(50),

PRIMARY KEY(Id\_Collection)

);

CREATE TABLE Production\_Company(

Id\_Production\_Company COUNTER,

name VARCHAR(50),

PRIMARY KEY(Id\_Production\_Company)

);

CREATE TABLE IMDB(

Id\_IMDB COUNTER,

PRIMARY KEY(Id\_IMDB)

);

CREATE TABLE Person(

Id\_Person COUNTER,

name VARCHAR(50),

gender VARCHAR(50),

profile\_path TEXT,

PRIMARY KEY(Id\_Person)

);

CREATE TABLE Keywords(

Id\_Keywords COUNTER,

name VARCHAR(50),

PRIMARY KEY(Id\_Keywords)

);

CREATE TABLE Utilisateur(

Id\_Utilisateur COUNTER,

name VARCHAR(50),

password VARCHAR(50),

PRIMARY KEY(Id\_Utilisateur)

);

CREATE TABLE Film(

Id\_Film COUNTER,

adult LOGICAL,

budget INT,

homepage TEXT,

original\_language VARCHAR(25),

original\_title VARCHAR(50),

overview TEXT,

popularity DECIMAL(15,2),

poster\_path TEXT,

release\_date DATE,

revenu INT,

runtime DECIMAL(15,2),

status VARCHAR(50),

tagline TEXT,

title VARCHAR(50),

video LOGICAL,

vote\_average DECIMAL(15,2),

vote\_vount INT,

Id\_IMDB INT NOT NULL,

PRIMARY KEY(Id\_Film),

FOREIGN KEY(Id\_IMDB) REFERENCES IMDB(Id\_IMDB)

);

CREATE TABLE Rating(

Id\_Rating COUNTER,

rating VARCHAR(50),

time\_stamp DATETIME,

Id\_Film INT NOT NULL,

Id\_Utilisateur INT NOT NULL,

PRIMARY KEY(Id\_Rating),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Utilisateur) REFERENCES Utilisateur(Id\_Utilisateur)

);

CREATE TABLE cast\_member(

Id\_Film INT,

Id\_Person INT,

character\_name VARCHAR(50),

PRIMARY KEY(Id\_Film, Id\_Person),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Person) REFERENCES Person(Id\_Person)

);

CREATE TABLE produced\_in(

Id\_Film INT,

Id\_Production\_Country INT,

PRIMARY KEY(Id\_Film, Id\_Production\_Country),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Production\_Country) REFERENCES Production\_Country(Id\_Production\_Country)

);

CREATE TABLE has\_genres(

Id\_Film INT,

Id\_Genre INT,

PRIMARY KEY(Id\_Film, Id\_Genre),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Genre) REFERENCES Genre(Id\_Genre)

);

CREATE TABLE spoken\_languages(

Id\_Film INT,

Id\_Language INT,

PRIMARY KEY(Id\_Film, Id\_Language),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Language) REFERENCES Languages(Id\_Language)

);

CREATE TABLE belongs\_to\_collection(

Id\_Film INT,

Id\_Collection INT,

PRIMARY KEY(Id\_Film, Id\_Collection),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Collection) REFERENCES Collection(Id\_Collection)

);

CREATE TABLE produced\_by(

Id\_Film INT,

Id\_Production\_Company INT,

PRIMARY KEY(Id\_Film, Id\_Production\_Company),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Production\_Company) REFERENCES Production\_Company(Id\_Production\_Company)

);

CREATE TABLE crew\_member(

Id\_Film INT,

Id\_Person INT,

job VARCHAR(50),

department VARCHAR(50),

PRIMARY KEY(Id\_Film, Id\_Person),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Person) REFERENCES Person(Id\_Person)

);

CREATE TABLE Asso\_13(

Id\_Film INT,

Id\_Keywords INT,

PRIMARY KEY(Id\_Film, Id\_Keywords),

FOREIGN KEY(Id\_Film) REFERENCES Film(Id\_Film),

FOREIGN KEY(Id\_Keywords) REFERENCES Keywords(Id\_Keywords)

);