Universidad Técnica Particular de Loja

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Modelo Físico:

DROP DATABASE IF EXISTS dataset;

CREATE DATABASE dataset CHAR SET utf8mb4;

USE dataset

CREATE TABLE movies (

idMovie INT NOT NULL PRIMARY KEY,

index INT NOT NULL,

title VARCHAR (255) NOT NULL,

release\_date INT NOT NULL,

budget DECIMAL (10,2) NOT NULL,

revenue DECIMAL (10,2) NOT NULL,

runtime INT NOT NULL,

status VARCHAR (255) NOT NULL,

tagline VARCHAR (255),

voteAverage DECIMAL (2,1) NOT NULL,

voteCount INT NOT NULL,

homepage VARCHAR (255),

popularity DECIMAL (10,2),

originalLanguage VARCHAR (255),

originalTittle VARCHAR (255),

overview TEXT

);

CREATE TABLE productionCompanies (

idProduction INT NOT NULL PRIMARY KEY,

name VARCHAR (255) NOT NULL

);

CREATE TABLE movie\_producer (--

idMovie INT NOT NULL,

idProducer INT NOT NULL,

FOREIGN KEY (idMov) REFERENCES movies(idMov),

FOREIGN KEY (idProd) REFERENCES production\_companies(idProd),

PRIMARY KEY (idMov,idProd)

);

CREATE TABLE productionCountries (

ISO\_3166\_1 INT NOT NULL PRIMARY KEY,

name VARCHAR (255) NOT NULL

);

CREATE TABLE movie\_produced (--

idMovie INT NOT NULL,

ISO\_3166\_1 INT NOT NULL,

FOREIGN KEY (idMovie) REFERENCES movies(idMovie),

FOREIGN KEY (ISO\_3166\_1) REFERENCES productionCountries(ISO\_3166\_1),

PRIMARY KEY (idMovie, ISO\_3166\_1)

);

CREATE TABLE spoken\_languages (

ISO\_639\_1 INT NOT NULL PRIMARY KEY,

languageName VARCHAR (255) NOT NULL

);

CREATE TABLE movieLanguages (

idMovie INT NOT NULL,

ISO\_639\_1 INT NOT NULL,

FOREIGN KEY (idMovie) REFERENCES movies(idMovie),

FOREIGN KEY (ISO\_639\_1) REFERENCES spokenLanguages(ISO\_639\_1),

PRIMARY KEY (idMovie, ISO\_639\_1)

);

CREATE TABLE genres (

idGenre INT NOT NULL PRIMARY KEY,

name VARCHAR (255) NOT NULL

);

CREATE TABLE movie\_genres (

idMovie INT NOT NULL,

idGenre INT NOT NULL,

FOREIGN KEY (idMovie) REFERENCES movies(idMovie),

FOREIGN KEY (idGenre) REFERENCES genres(idGenre),

PRIMARY KEY (idMovie, idGenre)

);

CREATE TABLE actor (

idCast INT NOT NULL PRIMARY KEY,

Name VARCHAR (255) NOT NULL

);

CREATE TABLE movie\_Actors (

idMovie INT NOT NULL,

idCast INT NOT NULL,

FOREIGN KEY (idMovie) REFERENCES movies(idMovie),

FOREIGN KEY (idCast) REFERENCES actor(idCast),

PRIMARY KEY (idMovie, idCast)

);

CREATE TABLE crewer (

idCrewer INT NOT NULL PRIMARY KEY,

name VARCHAR (255) NOT NULL,

job VARCHAR (255) NOT NULL,

department VARCHAR (255) NOT NULL,

idCredit VARCHAR (255)

);

CREATE TABLE movie\_crewer (

idMovie INT NOT NULL,

idCrewer INT NOT NULL,

FOREIGN KEY (idMovie) REFERENCES movies(idMovie),

FOREIGN KEY (idCrewer) REFERENCES crewer(idCrewer),

PRIMARY KEY (idMovie,IDCrewer)

);

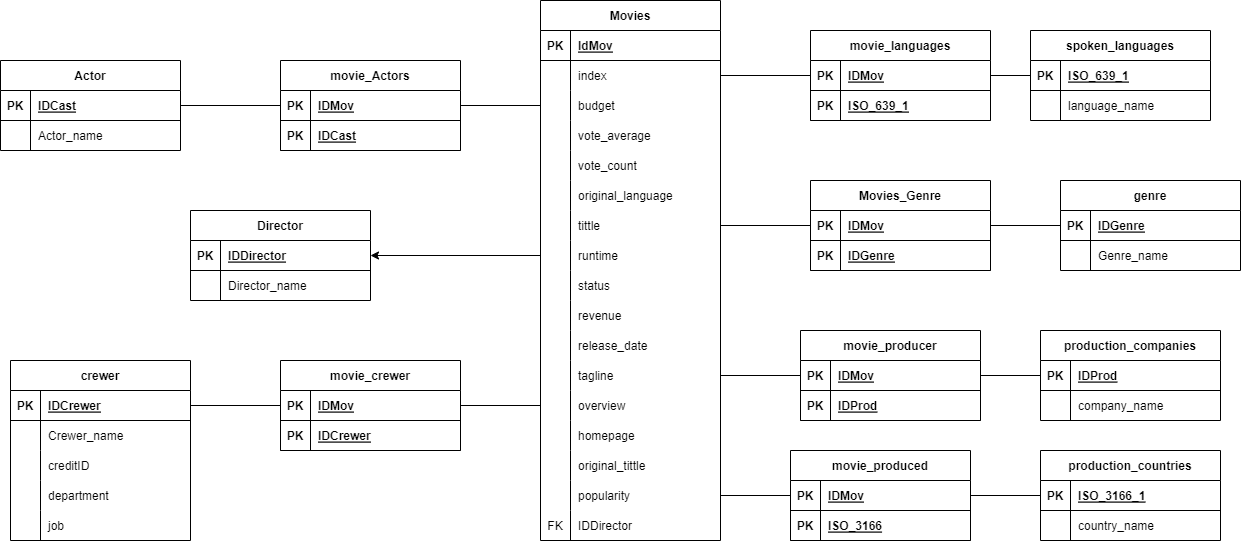
CREATE TABLE director (

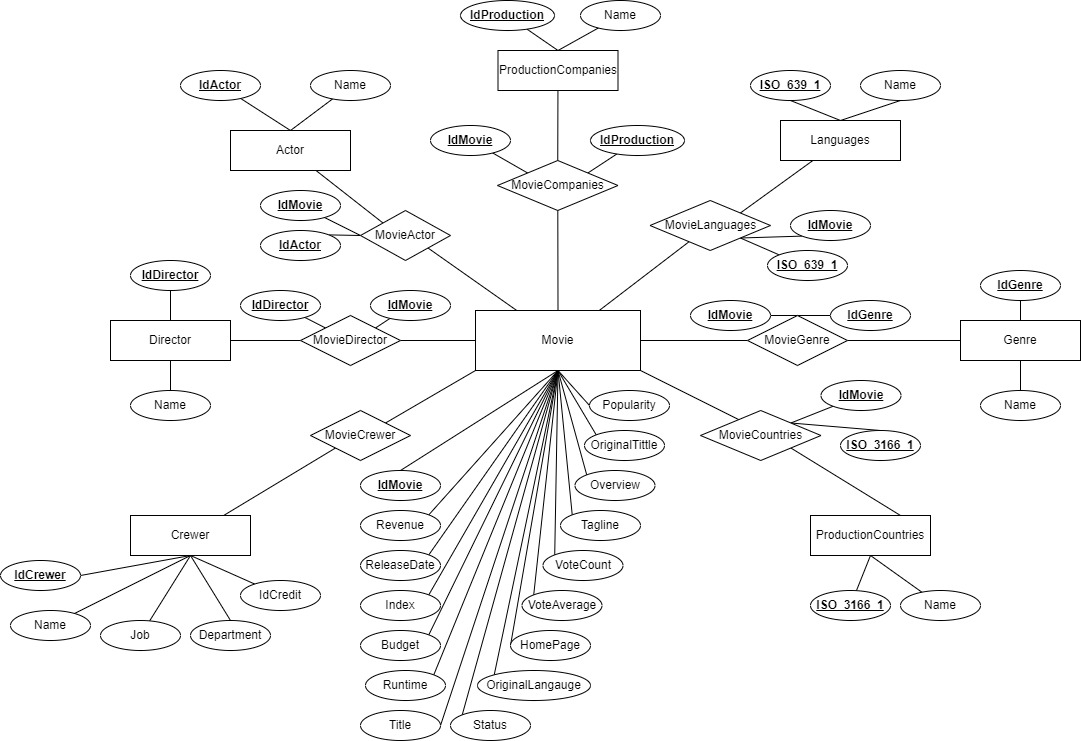
idDirector INT NOT NULL PRIMARY KEY,

name VARCHAR (255) NOT NULL

);

Modelo Lógico:



Modelo Conceptual: