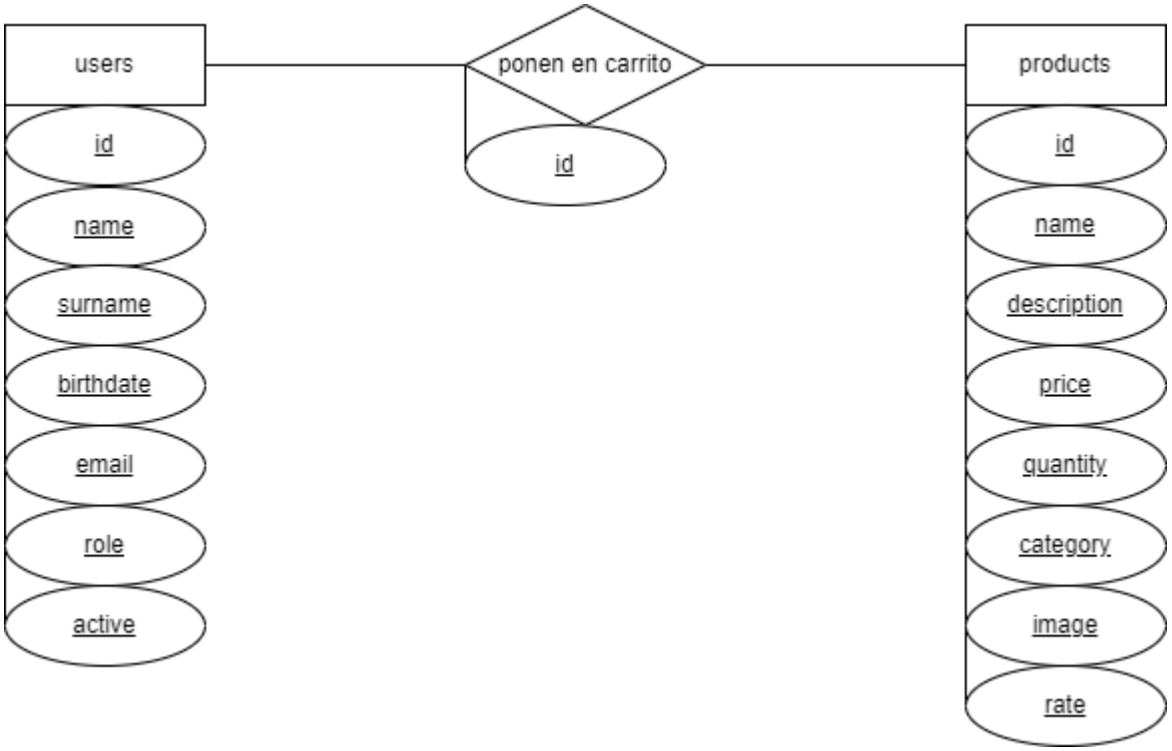
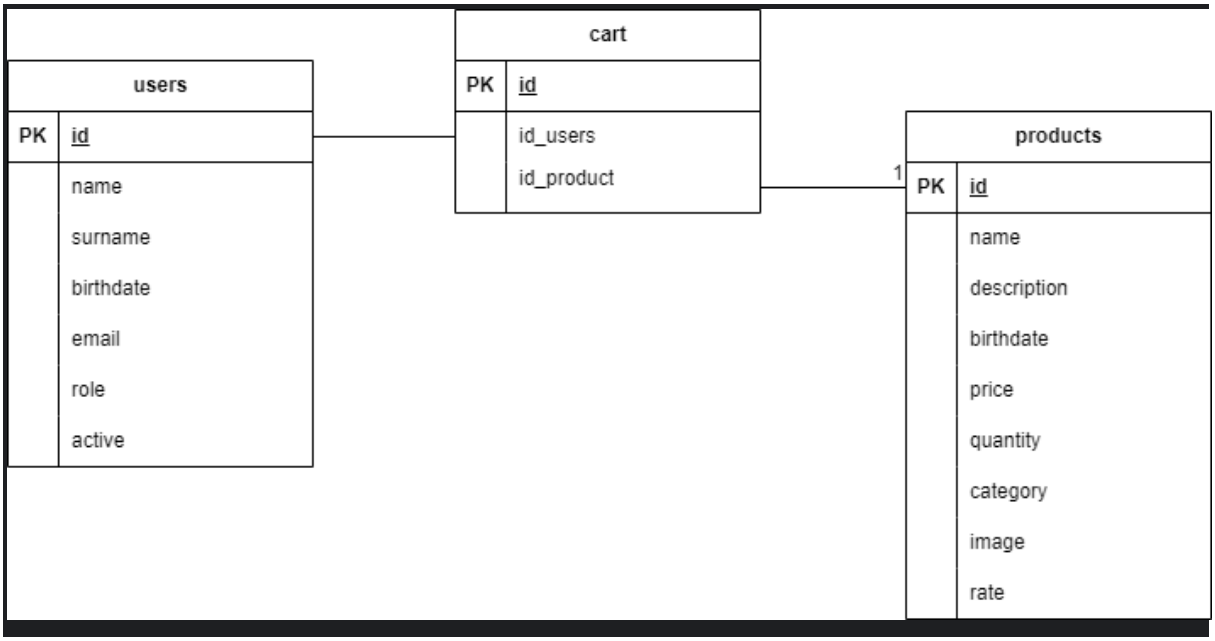
MODELO E/R:



MODELO RELACIONAL:



SCRIPT CREACIÓN DE LAS TABLAS:

```
CREATE DATABASE IF NOT EXISTS practicasapp;
GRANT ALL PRIVILEGES ON practicasapp.* TO user;
USE
practicasapp;

CREATE TABLE users
(
   id         INT AUTO_INCREMENT PRIMARY KEY,
   name       VARCHAR(150)         NOT NULL,
   surname    VARCHAR(150)         NOT NULL,
   birthdate  DATE                 NOT NULL,
   email      VARCHAR(255) UNIQUE  NOT NULL,
   password   VARCHAR(255)         NOT NULL,
   role       VARCHAR(100)         NOT NULL,
   active     BOOLEAN DEFAULT TRUE
);

CREATE TABLE products
(
   id           INT AUTO_INCREMENT PRIMARY KEY,
   name         VARCHAR(200) NOT NULL,
   description  TEXT,
   price        FLOAT        NOT NULL,
   quantity     INT          NOT NULL,
   category     VARCHAR(150),
   image        VARCHAR(255),
   rate         DECIMAL(3, 1)
);

CREATE TABLE cart
(
   id          INT AUTO_INCREMENT PRIMARY KEY,
   id_user     INT NOT NULL,
   id_product  INT NOT NULL,
   FOREIGN KEY (id_user) REFERENCES users (id) ON DELETE CASCADE,
   FOREIGN KEY (id_product) REFERENCES products (id) ON DELETE
CASCADE
);
```