

**Examen del segundo parcial**

**Diseño entidad relación**

**De la base de datos para el sistema gestor de ordenes**

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**Diseño entidad relación para la base de datos compartidas**

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**SQL para la base de datos del sistema gestor de ordenes**

**Incluidos insert para tener un catalogo inicial con stock**

CREATE DATABASE IF NOT EXISTS my\_shopping\_orders;

USE my\_shopping\_orders;

DROP TABLE IF EXISTS ordenes;

DROP TABLE IF EXISTS clientes;

DROP TABLE IF EXISTS productos;

CREATE TABLE clientes (

id INT AUTO\_INCREMENT PRIMARY KEY,

nombre VARCHAR(255),

email VARCHAR(255),

direccion VARCHAR(255)

);

CREATE TABLE productos (

id INT AUTO\_INCREMENT PRIMARY KEY,

nombre VARCHAR(255),

imagen\_url VARCHAR(255),

stock INT

);

CREATE TABLE ordenes (

id INT AUTO\_INCREMENT PRIMARY KEY,

cliente\_id INT,

producto\_id INT,

cantidad INT,

fecha TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (cliente\_id) REFERENCES clientes(id),

FOREIGN KEY (producto\_id) REFERENCES productos(id)

);

-- Poblar la tabla productos con los datos iniciales

INSERT INTO productos (nombre, imagen\_url, stock) VALUES

('bulbasaur', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/1.png', 10),

('ivysaur', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/2.png', 15),

('venusaur', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/3.png', 5),

('charmander', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/4.png', 20),

('charmeleon', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/5.png', 8),

('charizard', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/6.png', 12),

('squirtle', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/7.png', 25),

('wartortle', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/8.png', 15),

('blastoise', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/9.png', 10),

('caterpie', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/10.png', 30),

('metapod', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/11.png', 25),

('butterfree', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/12.png', 5),

('weedle', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/13.png', 20),

('kakuna', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/14.png', 15),

('beedrill', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/15.png', 10),

('pidgey', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/16.png', 30),

('pidgeotto', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/17.png', 20),

('pidgeot', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/18.png', 15),

('rattata', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/19.png', 25),

('raticate', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/20.png', 10);

**SQL para la base de datos compartida entre el el sistema gestor de inventario y gestor de facturas**

CREATE DATABASE IF NOT EXISTS my\_shopping\_shared;

USE my\_shopping\_shared;

DROP TABLE IF EXISTS facturas;

DROP TABLE IF EXISTS productos;

CREATE TABLE productos (

id INT AUTO\_INCREMENT PRIMARY KEY,

nombre VARCHAR(255),

imagen\_url VARCHAR(255),

stock INT

);

CREATE TABLE facturas (

id INT AUTO\_INCREMENT PRIMARY KEY,

orden\_id INT,

fecha TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

total DECIMAL(10, 2)

);

-- Poblar la tabla productos con los mismos datos que la base de datos de órdenes de compra

INSERT INTO productos (nombre, imagen\_url, stock) VALUES

('bulbasaur', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/1.png', 10),

('ivysaur', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/2.png', 15),

('venusaur', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/3.png', 5),

('charmander', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/4.png', 20),

('charmeleon', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/5.png', 8),

('charizard', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/6.png', 12),

('squirtle', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/7.png', 25),

('wartortle', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/8.png', 15),

('blastoise', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/9.png', 10),

('caterpie', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/10.png', 30),

('metapod', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/11.png', 25),

('butterfree', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/12.png', 5),

('weedle', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/13.png', 20),

('kakuna', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/14.png', 15),

('beedrill', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/15.png', 10),

('pidgey', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/16.png', 30),

('pidgeotto', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/17.png', 20),

('pidgeot', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/18.png', 15),

('rattata', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/19.png', 25),

('raticate', 'https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/20.png', 10);