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HAHN SOFTWARE

Database modeling

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**SQL SERVER**

Conceptual ModelGráfico

Descripción generada automáticamente

Logical ModelGráfico en cascada

Descripción generada automáticamente con confianza media

# Physical model

Texto

Descripción generada automáticamente con confianza baja

# Database creation script

/\*==============================================================\*/

/\* DBMS name: Microsoft SQL Server 2008 \*/

/\* Created on: 2/2/2023 17:38:35 \*/

/\*==============================================================\*/

IF NOT EXISTS (

SELECT \*

FROM sys.databases

WHERE name = 'Inventory'

)

BEGIN

CREATE DATABASE [Inventory]

END

GO

USE [Inventory]

GO

if exists (select 1

from sys.sysreferences r join sys.sysobjects o on (o.id = r.constid and o.type = 'F')

where r.fkeyid = object\_id('Item') and o.name = 'FK\_Item\_RELATIONS\_Category')

alter table Item

drop constraint FK\_Item\_RELATIONS\_Category

go

if exists (select 1

from sysobjects

where id = object\_id('Category')

and type = 'U')

drop table Category

go

if exists (select 1

from sysindexes

where id = object\_id('Item')

and name = 'RELATIONSHIP\_1\_FK'

and indid > 0

and indid < 255)

drop index Item.RELATIONSHIP\_1\_FK

go

if exists (select 1

from sysobjects

where id = object\_id('Item')

and type = 'U')

drop table Item

go

/\*==============================================================\*/

/\* Table: Category \*/

/\*==============================================================\*/

create table Category (

id\_category int not null,

name\_category varchar(50) not null,

constraint PK\_Category primary key (id\_category)

)

go

/\*==============================================================\*/

/\* Table: Item \*/

/\*==============================================================\*/

create table Item(

id\_item int not null,

id\_category int null,

code\_item varchar(10) not null,

name\_item varchar(50) not null,

quantity\_item int not null,

constraint PK\_Item primary key (id\_item)

)

go

/\*==============================================================\*/

/\* Index: RELATIONSHIP\_1\_FK \*/

/\*==============================================================\*/

create index RELATIONSHIP\_1\_FK on Item(

id\_category ASC

)

go

alter table Item

add constraint FK\_Item\_RELATIONS\_Category foreign key (id\_category)

references Category (id\_category)

go

EXEC sp\_configure 'remote access', 1;

RECONFIGURE;

EXEC sp\_configure 'remote query timeout', 0;

RECONFIGURE;

EXEC sp\_configure 'remote proc trans', 0;

RECONFIGURE;

# INSERTS

insert into Category (id\_category, name\_category) values (1, 'Grocery')

go

insert into Category (id\_category, name\_category) values (2, 'Fresh produce')

go

insert into Category (id\_category, name\_category) values (3, 'Meat and poultry')

go

insert into Category (id\_category, name\_category) values (4, 'Dairy products')

go

insert into Category (id\_category, name\_category) values (5, 'Frozen foods')

go

insert into Category (id\_category, name\_category) values (6, 'Bakery')

go

insert into Category (id\_category, name\_category) values (7, 'Beverages')

go

insert into Category (id\_category, name\_category) values (8, 'Personal care')

go

insert into Category (id\_category, name\_category) values (9, 'Household items')

go

insert into Category (id\_category, name\_category) values (10, 'Cleaning supplies')

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1234, 1, 'Item0001', 'Rice', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (2345, 1, 'Item0002', 'Pasta', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (3456, 1, 'Item0003', 'Cereal', 23)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (4567, 1, 'Item0004', 'Breadcrumbs', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (5678, 1, 'Item0005', 'Baking powder', 12)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (6789, 1, 'Item0006', 'Sugar', 78)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7890, 1, 'Item0007', 'Salt', 43)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8901, 1, 'Item0008', 'Pepper', 89)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9012, 1, 'Item0009', 'Olive oil', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (0123, 1, 'Item0010', 'Vinegar', 33)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1112, 2, 'Item0011', 'Apples', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (2223, 2, 'Item0012', 'Oranges', 78)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (3334, 2, 'Item0013', 'Bananas', 43)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (4445, 2, 'Item0014', 'Strawberries', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (5556, 2, 'Item0015', 'Blueberries', 23)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (6667, 2, 'Item0016', 'Grapes', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7778, 2, 'Item0017', 'Pears', 12)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8889, 2, 'Item0018', 'Peaches', 78)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9900, 2, 'Item0019', 'Plums', 43)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1001, 2, 'Item0020', 'Watermelon', 89)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1113, 3, 'Item0031', 'Chicken', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (2224, 3, 'Item0032', 'Beef', 72)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (3335, 3, 'Item0033', 'Pork', 35)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (4446, 3, 'Item0034', 'Sausage', 12)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (5557, 3, 'Item0035', 'Bacon', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (6668, 3, 'Item0036', 'Ham', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7779, 3, 'Item0037', 'Ground Beef', 29)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8890, 3, 'Item0038', 'Steak', 57)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9991, 3, 'Item0039', 'Chicken Breast', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9887, 3, 'Item0040', 'Turkey', 29)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1212, 4, 'Item0041', 'Milk', 78)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (2323, 4, 'Item0042', 'Cheese', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (3434, 4, 'Item0043', 'Yogurt', 68)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (4545, 4, 'Item0044', 'Cream Cheese', 35)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (5656, 4, 'Item0045', 'Butter', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (6767, 4, 'Item0046', 'Sour Cream', 23)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7878, 4, 'Item0047', 'Cottage Cheese', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8989, 4, 'Item0048', 'Cream', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9091, 4, 'Item0049', 'Eggs', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (0101, 4, 'Item0050', 'Ice Cream', 35)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1213, 5, 'Item0051', 'French fries', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (2324, 5, 'Item0052', 'Pizza', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (3435, 5, 'Item0053', 'Vegetables', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (4546, 5, 'Item0054', 'Fruits', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (5657, 5, 'Item0055', 'Ice Cream', 35)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (6768, 5, 'Item0056', 'Seafood', 23)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7879, 5, 'Item0057', 'Chicken Nuggets', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8990, 5, 'Item0058', 'TV Dinners', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9191, 5, 'Item0059', 'Waffles', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (0202, 5, 'Item0060', 'Frozen Fruit Juice', 35)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1006, 6, 'Item1006', 'Bread', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1007, 6, 'Item1007', 'Pastries', 49)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1008, 6, 'Item1008', 'Cookies', 78)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1009, 6, 'Item1009', 'Cakes', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1010, 6, 'Item1010', 'Donuts', 33)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1011, 6, 'Item1011', 'Muffins', 68)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1012, 6, 'Item1012', 'Croissants', 88)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1013, 6, 'Item1013', 'Bagels', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1014, 6, 'Item1014', 'Rolls', 67)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (1015, 6, 'Item1015', 'Pretzels', 89)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7001, 7, 'Item7001', 'Water', 53)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7002, 7, 'Item7002', 'Soda', 82)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7003, 7, 'Item7003', 'Juice', 66)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7004, 7, 'Item7004', 'Coffee', 90)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7005, 7, 'Item7005', 'Tea', 71)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7006, 7, 'Item7006', 'Sports Drinks', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7007, 7, 'Item7007', 'Energy Drinks', 48)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7008, 7, 'Item7008', 'Milk', 92)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7009, 7, 'Item7009', 'Beer', 75)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (7010, 7, 'Item7010', 'Wine', 59)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8001, 8, 'Item8001', 'Toothbrush', 90)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8002, 8, 'Item8002', 'Toothpaste', 70)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8003, 8, 'Item8003', 'Shampoo', 50)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8004, 8, 'Item8004', 'Soap', 40)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8005, 8, 'Item8005', 'Deodorant', 80)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8006, 8, 'Item8006', 'Razors', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8007, 8, 'Item8007', 'Tissues', 60)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8008, 8, 'Item8008', 'Makeup', 30)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8009, 8, 'Item8009', 'Toilet Paper', 50)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (8010, 8, 'Item8010', 'Facial Tissue', 80)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9001, 9, 'Item9001', 'Paper towels', 55)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9002, 9, 'Item9002', 'Cleaning products', 45)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9003, 9, 'Item9003', 'Laundry detergent', 72)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9004, 9, 'Item9004', 'Dish soap', 43)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9005, 9, 'Item9005', 'Trash bags', 89)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9006, 9, 'Item9006', 'Light bulbs', 63)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9007, 9, 'Item9007', 'Batteries', 100)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9008, 9, 'Item9008', 'Pet food', 76)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9009, 9, 'Item9009', 'Aluminum foil', 95)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9010, 9, 'Item9010', 'Plastic wrap', 51)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (3333, 10, 'Item9010', 'Disinfectant', 72)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9011, 10, 'Item9011', 'Glass cleaner', 56)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (6354, 10, 'Item9012', 'All-purpose cleaner', 68)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9013, 10, 'Item9013', 'Sponges', 85)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9014, 10, 'Item9014', 'Paper towels', 92)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9015, 10, 'Item9015', 'Mops', 50)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9016, 10, 'Item9016', 'Brooms', 47)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9017, 10, 'Item9017', 'Vacuum cleaners', 25)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9018, 10, 'Item9018', 'Air fresheners', 73)

go

insert into Item (id\_item, id\_category, code\_item, name\_item, quantity\_item) values (9019, 10, 'Item9019', 'Laundry detergent', 86)

go