Sybase PowerDesigner
Physical Data Model Report

Model: MF_Banquito_Comercializadora
Report: Diccionario_MF_Comercializadora

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Version:
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Summary:

Table of Contents

The 'Table of Contents' field needs to be updated!

I Introduction

I.1 Description

I.2 Card of model MF_Banquito_Comercializadora

Name	MF_Banquito_Comercializadora
Code	MF_BANQUITO_COMERCIALIZADORA
DBMS	Sybase SQL Anywhere 12
Comment	
Database	<None>

II Short model description

II.1 Non graphical objects
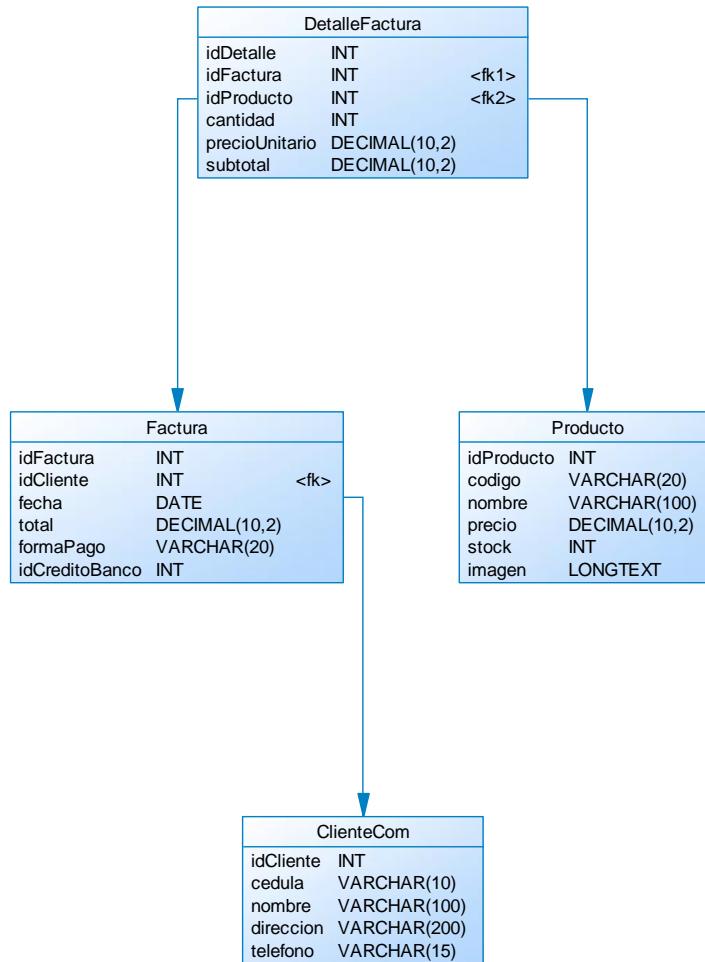
II.1.1 List of business rules

Name	Code
chk_precio_unitario_positivo	chk_precio_unitario_positivo
chk_stock_positivo	chk_stock_positivo
chk_subtotal_positivo	chk_subtotal_positivo
chk_total_positivo	chk_total_positivo

II.2 List of diagrams

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

II.3 Diagram MF_Comercializadora

DetalleFactura

idDetalle	INT	
idFactura	INT	<fk1>
idProducto	INT	<fk2>
cantidad	INT	
precioUnitario	DECIMAL(10,2)	
subtotal	DECIMAL(10,2)	

Factura

idFactura	INT	
idCliente	INT	<fk>
fecha	DATE	
total	DECIMAL(10,2)	
formaPago	VARCHAR(20)	
idCreditoBanco	INT	

Producto

idProducto	INT
codigo	VARCHAR(20)
nombre	VARCHAR(100)
precio	DECIMAL(10,2)
stock	INT
imagen	LONGTEXT

ClienteCom

idCliente	INT
cedula	VARCHAR(10)
nombre	VARCHAR(100)
direccion	VARCHAR(200)
telefono	VARCHAR(15)

II.3.1 List of tables in diagram

Name	Code
ClienteCom	ClienteCom
DetalleFactura	DetalleFactura
Factura	Factura
Producto	Producto

II.3.2 List of references in diagram

Name	Code	Parent Table	Child Table	Foreign Key Columns	Parent Role	Child Role
fk_detalle _factura	fk_detalle_f actura	Factura	DetalleFact ura	idFactura		
fk_detalle _producto	fk_detalle_ producto	Producto	DetalleFact ura	idProducto		
fk_factura _cliente	fk_factura_ cliente	ClienteCom	Factura	idCliente		

III Full model description

III.1 Non graphical objects

III.1.1 List of business rules

Name	Code
chk_precio_unitario_positivo	chk_precio_unitario_positivo
chk_stock_positivo	chk_stock_positivo
chk_subtotal_positivo	chk_subtotal_positivo
chk_total_positivo	chk_total_positivo

III.1.2 Business rule chk_precio_unitario_positivo

III.1.2.1 Card of business rule chk_precio_unitario_positivo

Name	chk_precio_unitario_positivo
Code	chk_precio_unitario_positivo
Comment	
Rule Type	Constraint

III.1.2.2 Server expression of the business rule chk_precio_unitario_positivo

precioUnitario > 0

III.1.2.3 List of attached objects of the business rule chk_precio_unitario_positivo

Short Description
Table 'DetalleFactura'

III.1.3 Business rule chk_stock_positivo

III.1.3.1 Card of business rule chk_stock_positivo

Name	chk_stock_positivo
Code	chk_stock_positivo
Comment	
Rule Type	Constraint

III.1.3.2 Server expression of the business rule chk_stock_positivo

stock >= 0

III.1.3.3 List of attached objects of the business rule chk_stock_positivo

Short Description

Table 'Producto'

III.1.4 Business rule chk_subtotal_positivo

III.1.4.1   Card of business rule chk_subtotal_positivo

Name	chk_subtotal_positivo
Code	chk_subtotal_positivo
Comment	
Rule Type	Constraint

III.1.4.2   Server expression of the business rule chk_subtotal_positivo

subtotal > 0

III.1.4.3   List of attached objects of the business rule chk_subtotal_positivo

Short Description
Table 'DetalleFactura'

III.1.5 Business rule chk_total_positivo

III.1.5.1   Card of business rule chk_total_positivo

Name	chk_total_positivo
Code	chk_total_positivo
Comment	
Rule Type	Constraint

III.1.5.2   Server expression of the business rule chk_total_positivo

total > 0
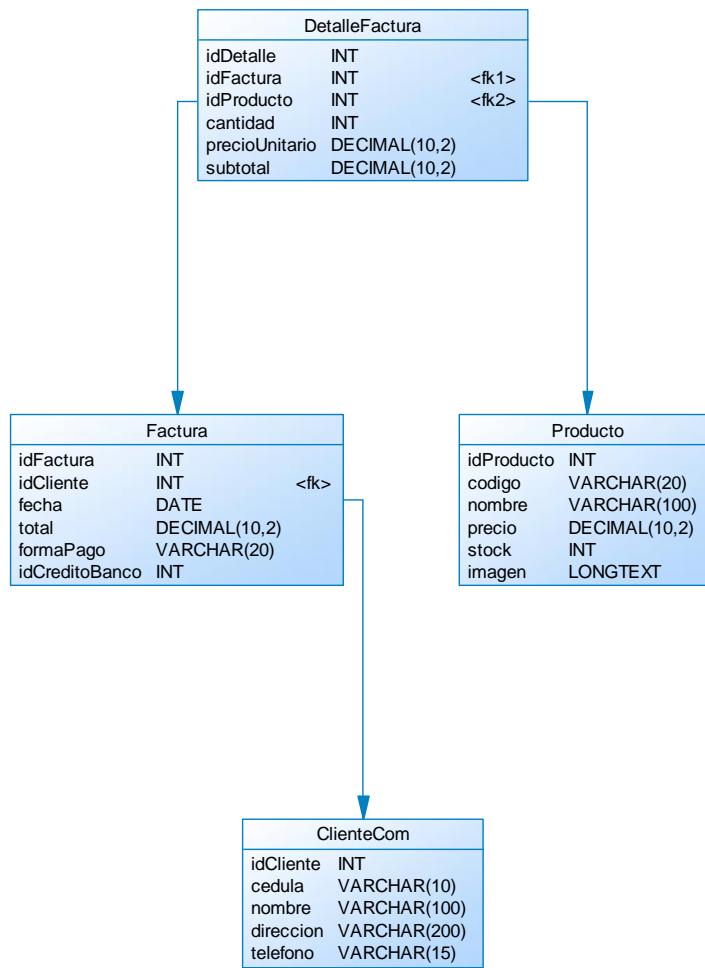
III.1.5.3   List of attached objects of the business rule chk_total_positivo

Short Description
Table 'Factura'

III.2 List of diagrams

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3 Diagram MF_Comercializadora

III.3.1 List of tables in diagram

Name	Code
ClienteCom	ClienteCom
DetalleFactura	DetalleFactura
Factura	Factura
Producto	Producto

III.3.1.1   Table ClienteCom

III.3.1.1.1   Card of table ClienteCom

Name	ClienteCom
Code	ClienteCom

III.3.1.1.2   Server validation rule of the table ClienteCom

%RULES%

III.3.1.1.3   Options of the table ClienteCom
ENGINE=InnoDB

III.3.1.1.4   Check constraint name of the table ClienteCom
CKT_CLIENTECOM

III.3.1.1.5   List of incoming references of the table ClienteCom

Name	Code	Child Table	Foreign Key Columns	Parent Role	Child Role
fk_factura_cliente	fk_factura_cliente	Factura	idCliente		

III.3.1.1.6   List of diagrams containing the table ClienteCom

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.1.7   List of columns of the table ClienteCom

Name	Code
idCliente cedula nombre direccion telefono	idCliente cedula nombre direccion telefono

III.3.1.2   Table DetalleFactura

III.3.1.2.1   Card of table DetalleFactura

Name	DetalleFactura
Code	DetalleFactura

III.3.1.2.2   Server validation rule of the table DetalleFactura
cantidad > 0

III.3.1.2.3   Options of the table DetalleFactura
ENGINE=InnoDB

III.3.1.2.4   Check constraint name of the table DetalleFactura
chk_cantidad_positiva

III.3.1.2.5   List of associated business rules of the table DetalleFactura

Name	Code	Rule Type
chk_precio_unitario_positivo	chk_precio_unitario_positivo	Constraint

chk_subtotal_positivo	chk_subtotal_positivo	Constraint

III.3.1.2.6   List of outgoing references of the table DetalleFactura

Name	Code	Parent Table	Foreign Key Columns	Parent Role	Child Role
fk_detalle_f actura fk_detalle_p roducto	fk_detalle_fa ctura fk_detalle_pr oducto	Factura Producto	idFactura idProducto		

III.3.1.2.7   List of diagrams containing the table DetalleFactura

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.2.8   List of columns of the table DetalleFactura

Name	Code
idDetalle idFactura idProducto cantidad precioUnitario subtotal	idDetalle idFactura idProducto cantidad precioUnitario subtotal

III.3.1.2.9   List of indexes of the table DetalleFactura

Name	Code	Unique	Cluster	Primary	Foreign Key	Alternate Key	Table
idx_detalle _factura idx_detalle _producto	idx_detalle_ factura idx_detalle_ producto				X X		DetalleFact ura DetalleFact ura

III.3.1.3   Table Factura

III.3.1.3.1   Card of table Factura

Name	Factura
Code	Factura

III.3.1.3.2   Server validation rule of the table Factura

formaPago IN ('EFECTIVO', 'CREDITO_DIRECTO')

III.3.1.3.3   Options of the table Factura

ENGINE=InnoDB

III.3.1.3.4   Check constraint name of the table Factura

chk_forma_pago

III.3.1.3.5   List of associated business rules of the table Factura

Name	Code	Rule Type
chk_total_positivo	chk_total_positivo	Constraint

III.3.1.3.6   List of incoming references of the table Factura

Name	Code	Child Table	Foreign Key Columns	Parent Role	Child Role
fk_detalle_f actura	fk_detalle_fa ctura	DetalleFactur a	idFactura		

III.3.1.3.7   List of outgoing references of the table Factura

Name	Code	Parent Table	Foreign Key Columns	Parent Role	Child Role
fk_factura_c liente	fk_factura_cli ente	ClienteCom	idCliente		

III.3.1.3.8   List of diagrams containing the table Factura

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.3.9   List of columns of the table Factura

Name	Code
idFactura	idFactura
idCliente	idCliente
fecha	fecha
total	total
formaPago	formaPago
idCreditoBanco	idCreditoBanco

III.3.1.3.10   List of indexes of the table Factura

Name	Code	Unique	Cluster	Primary	Foreign Key	Alternate Key	Table
idx_factur a_cliente	idx_factura _cliente				X		Factura

idx_factur a_fecha	idx_factura _fecha					Factura
idx_factur a_credito	idx_factura _credito					Factura

III.3.1.4   Table Producto

III.3.1.4.1   Card of table Producto

Name	Producto
Code	Producto

III.3.1.4.2   Server validation rule of the table Producto

precio > 0

III.3.1.4.3   Options of the table Producto

ENGINE=InnoDB

III.3.1.4.4   Check constraint name of the table Producto

chk_precio_positivo

III.3.1.4.5   List of associated business rules of the table Producto

Name	Code	Rule Type
chk_stock_positivo	chk_stock_positivo	Constraint

III.3.1.4.6   List of incoming references of the table Producto

Name	Code	Child Table	Foreign Key Columns	Parent Role	Child Role
fk_detalle_p roducto	fk_detalle_pr oducto	DetalleFactur a	idProducto		

III.3.1.4.7   List of diagrams containing the table Producto

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.4.8   List of columns of the table Producto

Name	Code
idProducto	idProducto
codigo	codigo
nombre	nombre
precio	precio
stock	stock

imagen	imagen

III.3.2 List of references in diagram

Name	Code	Parent Table	Child Table	Foreign Key Columns	Parent Role	Child Role
fk_detalle_factura	fk_detalle_factura	Factura	DetalleFactura	idFactura		
fk_detalle_producto	fk_detalle_producto	Producto	DetalleFactura	idProducto		
fk_factura_cliente	fk_factura_cliente	ClienteCom	Factura	idCliente		

III.3.2.1   Reference fk_detalle_factura

III.3.2.1.1   Card of reference fk_detalle_factura

Name	fk_detalle_factura
Code	fk_detalle_factura
Child Table	DetalleFactura
Parent Table	Factura
Foreign Key Columns	idFactura
Parent Role	
Child Role	

III.3.2.1.2   List of diagrams containing the reference fk_detalle_factura

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.2.1.3   List of reference joins of the reference fk_detalle_factura

Display Name	Parent Table Column	Child Table Column
idFactura = idFactura	idFactura	idFactura

III.3.2.2   Reference fk_detalle_producto

III.3.2.2.1   Card of reference fk_detalle_producto

Name	fk_detalle_producto
Code	fk_detalle_producto
Child Table	DetalleFactura
Parent Table	Producto
Foreign Key Columns	idProducto
Parent Role	
Child Role	

III.3.2.2.2   *List of diagrams containing the reference fk_detalle_producto*

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.2.2.3   *List of reference joins of the reference fk_detalle_producto*

Display Name	Parent Table Column	Child Table Column
idProducto = idProducto	idProducto	idProducto

III.3.2.3   Reference fk_factura_cliente

III.3.2.3.1   *Card of reference fk_factura_cliente*

Name	fk_factura_cliente
Code	fk_factura_cliente
Child Table	Factura
Parent Table	ClienteCom
Foreign Key Columns	idCliente
Parent Role	
Child Role	

III.3.2.3.2   *List of diagrams containing the reference fk_factura_cliente*

Name	Code
MF_Comercializadora	PHYSICALDIAGRAM_1

III.3.2.3.3   *List of reference joins of the reference fk_factura_cliente*

Display Name	Parent Table Column	Child Table Column
idCliente = idCliente	idCliente	idCliente