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# **PHYSICAL MODEL**

FOR PROJECT  
**Gestion de Negocios**

MODEL  
**Oracle 19c**

Oracle 19c

Version 1.0

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**Universidad Nacional SRB**

Created: 19/8/2021  
Last Modified: 20/9/2021

## **Model Description**

## Entity Report

| Full Name         | Primary Key                    | # Attributes |
|-------------------|--------------------------------|--------------|
| Bodegas           | id_bodega                      | 4            |
| Cientes           | id_cliente                     | 7            |
| CodigosBarras     | codigobarra                    | 2            |
| CreditoNegocios   | id_negocio, id_proveedor       | 4            |
| Descuentos        | id_descuento                   | 6            |
| DetalleFactura    | id_detalle_factura, id_factura | 11           |
| Facturas          | id_factura                     | 8            |
| FacturasPorPagar  | id_factura_por_pagar           | 7            |
| Familias          | id_familia                     | 2            |
| Inventarios       | id_producto, id_sucursal       | 4            |
| MedioPagoFacturas | id_medio_pago_factura          | 5            |
| MedioPagos        | id_medio_pago                  | 3            |
| Negocios          | id_negocio                     | 4            |
| Personas          | id_persona                     | 20           |
| Productos         | id_producto                    | 11           |
| Promociones       | id_promocion                   | 9            |
| Proveedores       | id_proveedor                   | 3            |
| Registros         | id_registro                    | 5            |
| Servicios         | id_servicio                    | 5            |
| Sucursales        | id_sucursal                    | 3            |
| Tipos_Negocios    | id_tipo_negocio                | 2            |

**Entity 'Bodegas'**

|                |         |
|----------------|---------|
| <b>Caption</b> | Bodegas |
|----------------|---------|

**Primary Key 'PK\_Bodegas'**

| Attribute | Type | Parent Entity |
|-----------|------|---------------|
| id_bodega | PK   | -----         |

**Attributes**

| Key | Full Name        | Domain | Data Type      | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|------------------|--------|----------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_bodega        |        | Number         | YES             | NO              | NO              | NO              |          |
| FK  | id_negocio       |        | Number         | NO              | NO              | NO              | NO              |          |
|     | nombre_bodega    |        | Varchar2(30 )  | YES             | NO              | NO              | NO              |          |
|     | ubicacion_bodega |        | Varchar2(100 ) | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name     | Type            | Parent Entity | Child Entity | Card. |
|---------------|-----------------|---------------|--------------|-------|
| FK_Negocios_2 | Non-identifying | Negocios      | Bodegas      | 1:N   |
| FK_Bodegas_1  | Non-identifying | Bodegas       | Productos    | 1:N   |

## Entity 'Clientes'

|                |          |
|----------------|----------|
| <b>Caption</b> | Clientes |
|----------------|----------|

## Primary Key 'PK\_Clientes'

|                  |             |                      |
|------------------|-------------|----------------------|
| <b>Attribute</b> | <b>Type</b> | <b>Parent Entity</b> |
| id_cliente       | PK          | ----                 |

## Attributes

| Key | Full Name        | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|------------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_cliente       |        | Number        | YES             | NO              | NO              | NO              |          |
| FK  | id_negocio       |        | Number        | YES             | NO              | NO              | NO              |          |
|     | credito_maximo   |        | Number        | YES             | NO              | NO              | NO              |          |
|     | credito_favor    |        | Number        | YES             | NO              | NO              | NO              |          |
|     | referencia       |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |
|     | valor_referencia |        | Number        | YES             | NO              | NO              | NO              |          |
|     | estado_cliente   |        | Varchar2(1 )  | YES             | NO              | YES             | NO              |          |

## Relationships

| Full Name     | Type            | Parent Entity | Child Entity | Card. |
|---------------|-----------------|---------------|--------------|-------|
| FK_Negocios_6 | Non-identifying | Negocios      | Clientes     | 1:N   |

**Entity 'CodigosBarras'**

|                |               |
|----------------|---------------|
| <b>Caption</b> | CodigosBarras |
|----------------|---------------|

**Primary Key 'FK\_CodigosBarras'**

| Attribute   | Type | Parent Entity |
|-------------|------|---------------|
| codigobarra | PK   | -----         |

**Attributes**

| Key | Full Name   | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| FK  | id_producto |        | Number        | YES             | NO              | NO              | NO              |          |
| PK  | codigobarra |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name      | Type            | Parent Entity | Child Entity  | Card. |
|----------------|-----------------|---------------|---------------|-------|
| FK_Productos_2 | Non-identifying | Productos     | CodigosBarras | 1:N   |

**Entity 'CreditoNegocios'**

|                |                 |
|----------------|-----------------|
| <b>Caption</b> | CreditoNegocios |
|----------------|-----------------|

**Primary Key 'PFK\_CreditoNegocios'**

| Attribute    | Type | Parent Entity |
|--------------|------|---------------|
| id_negocio   | PFK  | Negocios      |
| id_proveedor | PFK  | Proveedores   |

**Attributes**

| Key | Full Name      | Domain | Data Type | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|----------------|--------|-----------|-----------------|-----------------|-----------------|-----------------|----------|
| PFK | id_negocio     |        | Number    | YES             | NO              | NO              | NO              |          |
| PFK | id_proveedor   |        | Number    | YES             | NO              | NO              | NO              |          |
|     | credito_actual |        | Number    | YES             | NO              | NO              | NO              |          |
|     | credito_max    |        | Number    | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name         | Type        | Parent Entity | Child Entity    | Card. |
|-------------------|-------------|---------------|-----------------|-------|
| PFK_Negocios_1    | Identifying | Negocios      | CreditoNegocios | 1:N   |
| PFK_Proveedores_1 | Identifying | Proveedores   | CreditoNegocios | 1:N   |

**Entity 'Descuentos'**

|                |            |
|----------------|------------|
| <b>Caption</b> | Descuentos |
|----------------|------------|

**Primary Key 'PK\_<%OwnerName%>'**

| Attribute    | Type | Parent Entity |
|--------------|------|---------------|
| id_descuento | PK   | -----         |

**Attributes**

| Key | Full Name         | Domain | Data Type | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-------------------|--------|-----------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_descuento      |        | Number    | YES             | NO              | NO              | NO              |          |
| FK  | id_familia        |        | Number    | NO              | NO              | NO              | NO              |          |
| FK  | id_proveedor      |        | Number    | NO              | NO              | NO              | NO              |          |
|     | fecha_inicio      |        | Number    | YES             | NO              | NO              | NO              |          |
|     | fecha_vencimiento |        | Number    | YES             | NO              | NO              | NO              |          |
|     | descuento         |        | Number    | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name        | Type            | Parent Entity | Child Entity | Card. |
|------------------|-----------------|---------------|--------------|-------|
| FK_Familias_2    | Non-identifying | Familias      | Descuentos   | 1:N   |
| FK_Proveedores_1 | Non-identifying | Proveedores   | Descuentos   | 1:N   |



## Entity 'DetalleFactura'

|                |                |
|----------------|----------------|
| <b>Caption</b> | DetalleFactura |
|----------------|----------------|

## Primary Key 'PFK\_DetalleFactura'

| Attribute          | Type | Parent Entity |
|--------------------|------|---------------|
| id_detalle_factura | PK   | -----         |
| id_factura         | PFK  | Facturas      |

## Attributes

| Key | Full Name          | Domain | Data Type    | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments                           |
|-----|--------------------|--------|--------------|-----------------|-----------------|-----------------|-----------------|------------------------------------|
| PK  | id_detalle_factura |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | referencia         |        | Varchar2(30) | YES             | NO              | NO              | NO              |                                    |
|     | valor_referencia   |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | cantidad           |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | valor_unitario     |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | total              |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | subtotal           |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | descuento          |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | fecha_venta        |        | Date         | YES             | NO              | NO              | NO              |                                    |
|     | estado             |        | Varchar2(1)  | YES             | NO              | NO              | NO              | P= Pagado, D= Devuelto, N= Ninguno |
| PFK | id_factura         |        | Number       | YES             | NO              | NO              | NO              |                                    |

## Relationships

| Full Name      | Type        | Parent Entity | Child Entity   | Card. |
|----------------|-------------|---------------|----------------|-------|
| PFK_Facturas_1 | Identifying | Facturas      | DetalleFactura | 1:N   |

**Check Constraints**

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|                  |                         |
|------------------|-------------------------|
| <b>Full Name</b> | CK_DetalleFactura0      |
| <b>Check</b>     | estado in ('P','D','N') |

## Entity 'Facturas'

|                |          |
|----------------|----------|
| <b>Caption</b> | Facturas |
|----------------|----------|

## Primary Key 'PK\_Facturas'

|                  |             |                      |
|------------------|-------------|----------------------|
| <b>Attribute</b> | <b>Type</b> | <b>Parent Entity</b> |
| id_factura       | PK          | -----                |

## Attributes

| Key | Full Name        | Domain | Data Type    | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments  |
|-----|------------------|--------|--------------|-----------------|-----------------|-----------------|-----------------|---|
| PK  | id_factura       |        | Number       | YES             | NO              | NO              | NO              |   |
|     | modalidad        |        | Varchar2(30) | YES             | NO              | NO              | NO              |   |
|     | tipo_factura     |        | Varchar2(1)  | YES             | NO              | NO              | NO              |   |
|     | referencia       |        | Varchar2(30) | YES             | NO              | NO              | NO              | Hace referencia a la tabla de proveedor o de cliente        |
|     | valor_referencia |        | Number       | YES             | NO              | NO              | NO              | Guarda el id a quien esta referenciando                     |
|     | observacion      |        | Varchar2(30) | YES             | NO              | NO              | NO              |   |
|     | estado           |        | Varchar2(1)  | YES             | NO              | NO              | NO              | C=Completamente Pagada, P=Parcialmente Pagada, N=No Pagada, |
| FK  | id_negocio       |        | Number       | YES             | NO              | NO              | NO              |   |

## Relationships

| Full Name      | Type            | Parent Entity | Child Entity      | Card. |
|----------------|-----------------|---------------|-------------------|-------|
| PFK_Facturas_1 | Identifying     | Facturas      | DetalleFactura    | 1:N   |
| FK_Negocios_4  | Non-identifying | Negocios      | Facturas          | 1:N   |
| FK_Facturas_1  | Non-identifying | Facturas      | MedioPagoFacturas | 1:N   |
| FK_Facturas_2  | Non-identifying | Facturas      | FacturasPorPagar  | 1:N   |

## Check Constraints

|                  |                    |
|------------------|--------------------|
| <b>Full Name</b> | CKC_estado_factura |
|------------------|--------------------|

|              |                         |
|--------------|-------------------------|
| <b>Check</b> | estado in ('C','P','N') |
|--------------|-------------------------|

## Entity 'FacturasPorPagar'

|                |                  |
|----------------|------------------|
| <b>Caption</b> | FacturasPorPagar |
|----------------|------------------|

## Primary Key 'PK\_FacturasPorPagar'

| Attribute            | Type | Parent Entity |
|----------------------|------|---------------|
| id_factura_por_pagar | PK   | -----         |

## Attributes

| Key | Full Name            | Domain | Data Type   | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|----------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_factura_por_pagar |        | Number      | YES             | NO              | NO              | NO              |          |
|     | monto_total          |        | Number      | YES             | NO              | NO              | NO              |          |
|     | monto_pagado         |        | Number      | YES             | NO              | NO              | NO              |          |
|     | estado               |        | Varchar2(1) | YES             | NO              | NO              | NO              |          |
|     | fechaultimo_abono    |        | Date        | YES             | NO              | NO              | NO              |          |
| FK  | id_negocio           |        | Number      | NO              | NO              | NO              | NO              |          |
| FK  | id_factura           |        | Number      | NO              | NO              | NO              | NO              |          |

## Relationships

| Full Name     | Type            | Parent Entity | Child Entity     | Card. |
|---------------|-----------------|---------------|------------------|-------|
| FK_Negocios_5 | Non-identifying | Negocios      | FacturasPorPagar | 1:N   |
| FK_Facturas_2 | Non-identifying | Facturas      | FacturasPorPagar | 1:N   |

**Entity 'Familias'**

|                |          |
|----------------|----------|
| <b>Caption</b> | Familias |
|----------------|----------|

**Primary Key 'PK\_Familias'**

| Attribute  | Type | Parent Entity |
|------------|------|---------------|
| id_familia | PK   | -----         |

**Attributes**

| Key | Full Name      | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|----------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_familia     |        | Number        | YES             | NO              | NO              | NO              |          |
|     | nombre_familia |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name     | Type            | Parent Entity | Child Entity | Card. |
|---------------|-----------------|---------------|--------------|-------|
| FK_Familias_2 | Non-identifying | Familias      | Descuentos   | 1:N   |
| FK_Familias_3 | Non-identifying | Familias      | Productos    | 1:N   |
| FK_Familias_1 | Non-identifying | Familias      | Promociones  | 1:N   |

**Entity 'Inventarios'**

|                |             |
|----------------|-------------|
| <b>Caption</b> | Inventarios |
|----------------|-------------|

**Primary Key 'PFK\_Inventarios'**

| Attribute   | Type | Parent Entity |
|-------------|------|---------------|
| id_producto | PFK  | Productos     |
| id_sucursal | PFK  | Sucursales    |

**Attributes**

| Key | Full Name                | Domain | Data Type | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|--------------------------|--------|-----------|-----------------|-----------------|-----------------|-----------------|----------|
| PFK | id_producto              |        | Number    | YES             | NO              | NO              | NO              |          |
| PFK | id_sucursal              |        | Number    | YES             | NO              | NO              | NO              |          |
|     | porcentaje_utilidad      |        | Number    | YES             | NO              | NO              | NO              |          |
|     | porcentaje_max_descuento |        | Number    | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name        | Type        | Parent Entity | Child Entity | Card. |
|------------------|-------------|---------------|--------------|-------|
| PFK_Productos_1  | Identifying | Productos     | Inventarios  | 1:N   |
| PFK_Sucursales_1 | Identifying | Sucursales    | Inventarios  | 1:N   |

**Entity 'MedioPagoFacturas'**

|                |                   |
|----------------|-------------------|
| <b>Caption</b> | MedioPagoFacturas |
|----------------|-------------------|

**Primary Key 'PK\_MedioPagoFacturas'**

| Attribute             | Type | Parent Entity |
|-----------------------|------|---------------|
| id_medio_pago_factura | PK   | -----         |

**Attributes**

| Key | Full Name             | Domain | Data Type | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-----------------------|--------|-----------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_medio_pago_factura |        | Number    | YES             | NO              | NO              | NO              |          |
|     | NoDocumento           |        | Number    | YES             | NO              | NO              | NO              |          |
|     | monto                 |        | Number    | YES             | NO              | NO              | NO              |          |
| FK  | id_medio_pago         |        | Number    | NO              | NO              | NO              | NO              |          |
| FK  | id_factura            |        | Number    | NO              | NO              | NO              | NO              |          |

**Relationships**

| Full Name       | Type            | Parent Entity | Child Entity      | Card. |
|-----------------|-----------------|---------------|-------------------|-------|
| FK_MedioPagos_1 | Non-identifying | MedioPagos    | MedioPagoFacturas | 1:N   |
| FK_Facturas_1   | Non-identifying | Facturas      | MedioPagoFacturas | 1:N   |



**Entity 'MedioPagos'**

|                |            |
|----------------|------------|
| <b>Caption</b> | MedioPagos |
|----------------|------------|

**Primary Key 'PK\_MedioPagos'**

| Attribute     | Type | Parent Entity |
|---------------|------|---------------|
| id_medio_pago | PK   | -----         |

**Attributes**

| Key | Full Name     | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|---------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_medio_pago |        | Number        | YES             | NO              | NO              | NO              |          |
|     | nombre_medio  |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |
|     | estado        |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name       | Type            | Parent Entity | Child Entity      | Card. |
|-----------------|-----------------|---------------|-------------------|-------|
| FK_MedioPagos_1 | Non-identifying | MedioPagos    | MedioPagoFacturas | 1:N   |

## Entity 'Negocios'

|                |          |
|----------------|----------|
| <b>Caption</b> | Negocios |
|----------------|----------|

## Primary Key 'PK\_Negocios'

| Attribute  | Type | Parent Entity |
|------------|------|---------------|
| id_negocio | PK   | -----         |

## Attributes

| Key | Full Name               | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-------------------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_negocio              |        | Number        | YES             | NO              | NO              | NO              |          |
| FK  | id_tipo_negocio         |        | Number        | YES             | NO              | NO              | NO              |          |
|     | nombre_negocio          |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |
|     | cedula_juridica_negocio |        | Varchar2(30 ) | YES             | YES             | NO              | NO              |          |

## Relationships

| Full Name      | Type            | Parent Entity  | Child Entity     | Card. |
|----------------|-----------------|----------------|------------------|-------|
| FK_Negocios_7  | Non-identifying | Tipos_Negocios | Negocios         | 1:N   |
| PFK_Negocios_1 | Identifying     | Negocios       | CreditoNegocios  | 1:N   |
| FK_Negocios_6  | Non-identifying | Negocios       | Cientes          | 1:N   |
| FK_Negocios_3  | Non-identifying | Negocios       | Promociones      | 1:N   |
| FK_Negocios_4  | Non-identifying | Negocios       | Facturas         | 1:N   |
| FK_Negocios_1  | Non-identifying | Negocios       | Sucursales       | 1:N   |
| FK_Negocios_2  | Non-identifying | Negocios       | Bodegas          | 1:N   |
| FK_Negocios_5  | Non-identifying | Negocios       | FacturasPorPagar | 1:N   |

## Keys

| Type | Full Name           | Attributes          |
|------|---------------------|---------------------|
| PK   | PK_Negocios         | id_negocio          |
| AK   | cedula_juridica_neg | cedula_juridica_neg |

## Entity 'Personas'

|                |          |
|----------------|----------|
| <b>Caption</b> | Personas |
|----------------|----------|

Primary Key 'PK\_&lt;%OwnerName%&gt;'

| Attribute  | Type | Parent Entity |
|------------|------|---------------|
| id_persona | PK   | -----         |

## Attributes

| Key | Full Name         | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-------------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_persona        |        | Number        | YES             | NO              | NO              | NO              |          |
|     | cedula            |        | Varchar2(30)  | YES             | NO              | NO              | NO              |          |
|     | nombre            |        | Varchar2(30)  | YES             | NO              | NO              | NO              |          |
|     | apellidos         |        | Varchar2(60)  | YES             | NO              | NO              | NO              |          |
|     | tipo_persona      |        | Varchar2(1)   | YES             | NO              | NO              | NO              |          |
|     | estado_civil      |        | Varchar2(1)   | NO              | NO              | NO              | NO              |          |
|     | direccion_trabajo |        | Varchar2(150) | NO              | NO              | NO              | NO              |          |
|     | direccion_casa    |        | Varchar2(150) | NO              | NO              | NO              | NO              |          |
|     | telefono          |        | Varchar2(15)  | YES             | NO              | NO              | NO              |          |
|     | nacionalidad      |        | Varchar2(30)  | YES             | NO              | NO              | NO              |          |
|     | residencia        |        | Varchar2(30)  | YES             | NO              | NO              | NO              |          |
|     | fax               |        | Varchar2(15)  | NO              | NO              | NO              | NO              |          |
|     | email             |        | Varchar2(150) | YES             | NO              | NO              | NO              |          |
|     | sexo              |        | Varchar2(1)   | YES             | NO              | NO              | NO              |          |
|     | fecha_nacimiento  |        | Date          | YES             | NO              | NO              | NO              |          |

| Key | Full Name             | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-----------------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
|     | puesto                |        | Varchar2(30 ) | NO              | NO              | NO              | NO              |          |
|     | empresa               |        | Varchar2(30 ) | NO              | NO              | NO              | NO              |          |
|     | asegurado             |        | Varchar2(1 )  | YES             | NO              | NO              | NO              |          |
|     | escolaridad           |        | Varchar2(50 ) | NO              | NO              | NO              | NO              |          |
|     | fecha_ingreso_cliente |        | Date          | YES             | NO              | NO              | NO              |          |

### Indexes

| Full Name      | Attributes | Unique |
|----------------|------------|--------|
| IND_Id_persona | cedula     | YES    |

## Entity 'Productos'

|                |           |
|----------------|-----------|
| <b>Caption</b> | Productos |
|----------------|-----------|

## Primary Key 'PK\_Productos'

| Attribute   | Type | Parent Entity |
|-------------|------|---------------|
| id_producto | PK   | -----         |

## Attributes

| Key | Full Name            | Domain | Data Type    | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments                           |
|-----|----------------------|--------|--------------|-----------------|-----------------|-----------------|-----------------|------------------------------------|
| PK  | id_producto          |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | nombre               |        | Varchar2(30) | YES             | NO              | NO              | NO              |                                    |
|     | codigo               |        | Varchar2(30) | YES             | YES             | NO              | NO              |                                    |
|     | precio_compra        |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | fecha_ingreso        |        | Date         | YES             | NO              | NO              | NO              |                                    |
|     | impuesto             |        | Number       | YES             | NO              | NO              | NO              |                                    |
|     | estado               |        | Varchar2(1)  | YES             | NO              | NO              | NO              | V= Vencido, B= Bodega, C= Comprado |
|     | cantidad_disponibles |        | Number       | YES             | NO              | NO              | NO              |                                    |
| FK  | id_familia           |        | Number       | YES             | NO              | NO              | NO              |                                    |
| FK  | id_proveedor         |        | Number       | YES             | NO              | NO              | NO              |                                    |
| FK  | id_bodega            |        | Number       | NO              | NO              | NO              | NO              |                                    |

## Relationships

| Full Name        | Type            | Parent Entity | Child Entity  | Card. |
|------------------|-----------------|---------------|---------------|-------|
| FK_Proveedores_3 | Non-identifying | Proveedores   | Productos     | 1:N   |
| FK_Productos_2   | Non-identifying | Productos     | CodigosBarras | 1:N   |

| Full Name       | Type            | Parent Entity | Child Entity | Card. |
|-----------------|-----------------|---------------|--------------|-------|
| FK_Familias_3   | Non-identifying | Familias      | Productos    | 1:N   |
| FK_Productos_1  | Non-identifying | Productos     | Promociones  | 1:N   |
| FK_Bodegas_1    | Non-identifying | Bodegas       | Productos    | 1:N   |
| PFK_Productos_1 | Identifying     | Productos     | Inventarios  | 1:N   |

### Keys

| Type | Full Name    | Attributes  |
|------|--------------|-------------|
| PK   | PK_Productos | id_producto |
| AK   | codigo       | codigo      |

### Check Constraints

| Full Name | CK_Productos0           |
|-----------|-------------------------|
| Check     | estado in ('C','V','B') |

## Entity 'Promociones'

|                |             |
|----------------|-------------|
| <b>Caption</b> | Promociones |
|----------------|-------------|

Primary Key 'PK\_&lt;%OwnerName%&gt;'

| Attribute    | Type | Parent Entity |
|--------------|------|---------------|
| id_promocion | PK   | -----         |

## Attributes

| Key | Full Name         | Domain | Data Type    | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-------------------|--------|--------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_promocion      |        | Number       | YES             | NO              | NO              | NO              |          |
| FK  | id_negocio        |        | Number       | YES             | NO              | NO              | NO              |          |
|     | descuento         |        | Number       | YES             | NO              | NO              | NO              |          |
|     | descripcion       |        | Varchar2(30) | YES             | NO              | NO              | NO              |          |
| FK  | id_familia        |        | Number       | NO              | NO              | NO              | NO              |          |
| FK  | id_producto       |        | Number       | NO              | NO              | NO              | NO              |          |
|     | fecha_inicio      |        | Date         | YES             | NO              | NO              | NO              |          |
|     | fecha_fin         |        | Date         | YES             | NO              | NO              | NO              |          |
|     | productos_minimos |        | Number       | YES             | NO              | NO              | NO              |          |

## Relationships

| Full Name      | Type            | Parent Entity | Child Entity | Card. |
|----------------|-----------------|---------------|--------------|-------|
| FK_Negocios_3  | Non-identifying | Negocios      | Promociones  | 1:N   |
| FK_Familias_1  | Non-identifying | Familias      | Promociones  | 1:N   |
| FK_Productos_1 | Non-identifying | Productos     | Promociones  | 1:N   |



## Entity 'Proveedores'

|                |             |
|----------------|-------------|
| <b>Caption</b> | Proveedores |
|----------------|-------------|

## Primary Key 'PK\_Proveedores'

| Attribute    | Type | Parent Entity |
|--------------|------|---------------|
| id_proveedor | PK   | -----         |

## Attributes

| Key | Full Name        | Domain | Data Type    | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|------------------|--------|--------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_proveedor     |        | Number       | YES             | NO              | NO              | NO              |          |
|     | nombre_proveedor |        | Varchar2(30) | YES             | NO              | NO              | NO              |          |
|     | cedula_juridica  |        | Varchar2(30) | YES             | YES             | NO              | NO              |          |

## Relationships

| Full Name         | Type            | Parent Entity | Child Entity    | Card. |
|-------------------|-----------------|---------------|-----------------|-------|
| FK_Proveedores_3  | Non-identifying | Proveedores   | Productos       | 1:N   |
| PFK_Proveedores_1 | Identifying     | Proveedores   | CreditoNegocios | 1:N   |
| FK_Proveedores_1  | Non-identifying | Proveedores   | Descuentos      | 1:N   |

## Keys

| Type | Full Name       | Attributes      |
|------|-----------------|-----------------|
| PK   | PK_Proveedores  | id_proveedor    |
| AK   | cedula_juridica | cedula_juridica |

**Entity 'Registros'**

|                |           |
|----------------|-----------|
| <b>Caption</b> | Registros |
|----------------|-----------|

**Primary Key 'PK\_<%OwnerName%>'**

| Attribute   | Type | Parent Entity |
|-------------|------|---------------|
| id_registro | PK   | -----         |

**Attributes**

| Key | Full Name           | Domain | Data Type | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|---------------------|--------|-----------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_registro         |        | Number    | YES             | NO              | NO              | NO              |          |
|     | fecha_cambio        |        | Date      | YES             | NO              | NO              | NO              |          |
|     | precio_antiguo      |        | Number    | YES             | NO              | NO              | NO              |          |
|     | precio_nuevo        |        | Number    | YES             | NO              | NO              | NO              |          |
|     | id_detalle_producto |        | Number    | YES             | NO              | NO              | NO              |          |

**Entity 'Servicios'**

|                |           |
|----------------|-----------|
| <b>Caption</b> | Servicios |
|----------------|-----------|

**Primary Key 'PK\_Servicios'**

| Attribute   | Type | Parent Entity |
|-------------|------|---------------|
| id_servicio | PK   | -----         |

**Attributes**

| Key | Full Name         | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-------------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_servicio       |        | Number        | YES             | NO              | NO              | NO              |          |
|     | nombre_servicio   |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |
|     | costo             |        | Number        | YES             | NO              | NO              | NO              |          |
|     | impuesto_servicio |        | Varchar2(1 )  | YES             | NO              | NO              | NO              |          |
| FK  | id_sucursal       |        | Number        | NO              | NO              | NO              | NO              |          |

**Relationships**

| Full Name       | Type            | Parent Entity | Child Entity | Card. |
|-----------------|-----------------|---------------|--------------|-------|
| FK_Sucursales_1 | Non-identifying | Sucursales    | Servicios    | 1:N   |

**Entity 'Sucursales'**

|                |            |
|----------------|------------|
| <b>Caption</b> | Sucursales |
|----------------|------------|

**Primary Key 'PK\_Sucursales'**

| Attribute   | Type | Parent Entity |
|-------------|------|---------------|
| id_sucursal | PK   | -----         |

**Attributes**

| Key | Full Name          | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|--------------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_sucursal        |        | Number        | YES             | NO              | NO              | NO              |          |
| FK  | id_negocio         |        | Number        | NO              | NO              | NO              | NO              |          |
|     | ubicacion_sucursal |        | Varchar2(60 ) | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name        | Type            | Parent Entity | Child Entity | Card. |
|------------------|-----------------|---------------|--------------|-------|
| FK_Negocios_1    | Non-identifying | Negocios      | Sucursales   | 1:N   |
| PFK_Sucursales_1 | Identifying     | Sucursales    | Inventarios  | 1:N   |
| FK_Sucursales_1  | Non-identifying | Sucursales    | Servicios    | 1:N   |

**Entity 'Tipos\_Negocios'**

|                |                |
|----------------|----------------|
| <b>Caption</b> | Tipos_Negocios |
|----------------|----------------|

**Primary Key 'PK\_Tipos\_Negocios'**

| Attribute       | Type | Parent Entity |
|-----------------|------|---------------|
| id_tipo_negocio | PK   | -----         |

**Attributes**

| Key | Full Name       | Domain | Data Type     | N <sup>1)</sup> | U <sup>2)</sup> | C <sup>3)</sup> | D <sup>4)</sup> | Comments |
|-----|-----------------|--------|---------------|-----------------|-----------------|-----------------|-----------------|----------|
| PK  | id_tipo_negocio |        | Number        | YES             | NO              | NO              | NO              |          |
|     | tipo_negocio    |        | Varchar2(30 ) | YES             | NO              | NO              | NO              |          |

**Relationships**

| Full Name     | Type            | Parent Entity  | Child Entity | Card. |
|---------------|-----------------|----------------|--------------|-------|
| FK_Negocios_7 | Non-identifying | Tipos_Negocios | Negocios     | 1:N   |

<sup>1)</sup>Not Null<sup>2)</sup>Unique<sup>3)</sup>Check<sup>4)</sup>Default

### Attribute Report

| Full Name         | Entity          | Domain | Data Type      | PK  | FK  |
|-------------------|-----------------|--------|----------------|-----|-----|
| id_bodega         | Bodegas         |        | Number         | YES | NO  |
| id_negocio        | Bodegas         |        | Number         | NO  | YES |
| nombre_bodega     | Bodegas         |        | Varchar2(30 )  | NO  | NO  |
| ubicacion_bodega  | Bodegas         |        | Varchar2(100 ) | NO  | NO  |
| credito_favor     | Cientes         |        | Number         | NO  | NO  |
| credito_maximo    | Cientes         |        | Number         | NO  | NO  |
| estado_cliente    | Cientes         |        | Varchar2(1 )   | NO  | NO  |
| id_cliente        | Cientes         |        | Number         | YES | NO  |
| id_negocio        | Cientes         |        | Number         | NO  | YES |
| referencia        | Cientes         |        | Varchar2(30 )  | NO  | NO  |
| valor_referencia  | Cientes         |        | Number         | NO  | NO  |
| codigobarra       | CodigosBarras   |        | Varchar2(30 )  | YES | NO  |
| id_producto       | CodigosBarras   |        | Number         | NO  | YES |
| credito_actual    | CreditoNegocios |        | Number         | NO  | NO  |
| credito_max       | CreditoNegocios |        | Number         | NO  | NO  |
| id_negocio        | CreditoNegocios |        | Number         | YES | YES |
| id_proveedor      | CreditoNegocios |        | Number         | YES | YES |
| descuento         | Descuentos      |        | Number         | NO  | NO  |
| fecha_inicio      | Descuentos      |        | Number         | NO  | NO  |
| fecha_vencimiento | Descuentos      |        | Number         | NO  | NO  |
| id_descuento      | Descuentos      |        | Number         | YES | NO  |
| id_familia        | Descuentos      |        | Number         | NO  | YES |
| id_proveedor      | Descuentos      |        | Number         | NO  | YES |
| cantidad          | DetalleFactura  |        | Number         | NO  | NO  |

| Full Name            | Entity           | Domain | Data Type    | PK  | FK  |
|----------------------|------------------|--------|--------------|-----|-----|
| descuento            | DetalleFactura   |        | Number       | NO  | NO  |
| estado               | DetalleFactura   |        | Varchar2(1)  | NO  | NO  |
| fecha_venta          | DetalleFactura   |        | Date         | NO  | NO  |
| id_detalle_factura   | DetalleFactura   |        | Number       | YES | NO  |
| id_factura           | DetalleFactura   |        | Number       | YES | YES |
| referencia           | DetalleFactura   |        | Varchar2(30) | NO  | NO  |
| subtotal             | DetalleFactura   |        | Number       | NO  | NO  |
| total                | DetalleFactura   |        | Number       | NO  | NO  |
| valor_referencia     | DetalleFactura   |        | Number       | NO  | NO  |
| valor_unitario       | DetalleFactura   |        | Number       | NO  | NO  |
| estado               | Facturas         |        | Varchar2(1)  | NO  | NO  |
| id_factura           | Facturas         |        | Number       | YES | NO  |
| id_negocio           | Facturas         |        | Number       | NO  | YES |
| modalidad            | Facturas         |        | Varchar2(30) | NO  | NO  |
| observacion          | Facturas         |        | Varchar2(30) | NO  | NO  |
| referencia           | Facturas         |        | Varchar2(30) | NO  | NO  |
| tipo_factura         | Facturas         |        | Varchar2(1)  | NO  | NO  |
| valor_referencia     | Facturas         |        | Number       | NO  | NO  |
| estado               | FacturasPorPagar |        | Varchar2(1)  | NO  | NO  |
| fecha_ultimo_abono   | FacturasPorPagar |        | Date         | NO  | NO  |
| id_factura           | FacturasPorPagar |        | Number       | NO  | YES |
| id_factura_por_pagar | FacturasPorPagar |        | Number       | YES | NO  |
| id_negocio           | FacturasPorPagar |        | Number       | NO  | YES |
| monto_pagado         | FacturasPorPagar |        | Number       | NO  | NO  |
| monto_total          | FacturasPorPagar |        | Number       | NO  | NO  |
| id_familia           | Familias         |        | Number       | YES | NO  |
| nombre_familia       | Familias         |        | Varchar2(30) | NO  | NO  |

| Full Name                | Entity            | Domain | Data Type     | PK  | FK  |
|--------------------------|-------------------|--------|---------------|-----|-----|
| id_producto              | Inventarios       |        | Number        | YES | YES |
| id_sucursal              | Inventarios       |        | Number        | YES | YES |
| porcentaje_max_descuento | Inventarios       |        | Number        | NO  | NO  |
| porcentaje_utilidad      | Inventarios       |        | Number        | NO  | NO  |
| id_factura               | MedioPagoFacturas |        | Number        | NO  | YES |
| id_medio_pago            | MedioPagoFacturas |        | Number        | NO  | YES |
| id_medio_pago_factura    | MedioPagoFacturas |        | Number        | YES | NO  |
| monto                    | MedioPagoFacturas |        | Number        | NO  | NO  |
| NoDocumento              | MedioPagoFacturas |        | Number        | NO  | NO  |
| estado                   | MedioPagos        |        | Varchar2(30)  | NO  | NO  |
| id_medio_pago            | MedioPagos        |        | Number        | YES | NO  |
| nombre_medio             | MedioPagos        |        | Varchar2(30)  | NO  | NO  |
| cedula_juridica_neg      | Negocios          |        | Varchar2(30)  | NO  | NO  |
| id_negocio               | Negocios          |        | Number        | YES | NO  |
| id_tipo_negocio          | Negocios          |        | Number        | NO  | YES |
| nombre_negocio           | Negocios          |        | Varchar2(30)  | NO  | NO  |
| apellidos                | Personas          |        | Varchar2(60)  | NO  | NO  |
| asegurado                | Personas          |        | Varchar2(1)   | NO  | NO  |
| cedula                   | Personas          |        | Varchar2(30)  | NO  | NO  |
| direccion_casa           | Personas          |        | Varchar2(150) | NO  | NO  |
| direccion_trabajo        | Personas          |        | Varchar2(150) | NO  | NO  |
| email                    | Personas          |        | Varchar2(150) | NO  | NO  |
| empresa                  | Personas          |        | Varchar2(30)  | NO  | NO  |
| escolaridad              | Personas          |        | Varchar2(     | NO  | NO  |



| Full Name             | Entity      | Domain | Data Type     | PK  | FK  |
|-----------------------|-------------|--------|---------------|-----|-----|
|                       |             |        | 50 )          |     |     |
| estado_civil          | Personas    |        | Varchar2(1 )  | NO  | NO  |
| fax                   | Personas    |        | Varchar2(15 ) | NO  | NO  |
| fecha_ingreso_cliente | Personas    |        | Date          | NO  | NO  |
| fecha_nacimiento      | Personas    |        | Date          | NO  | NO  |
| id_persona            | Personas    |        | Number        | YES | NO  |
| nacionalidad          | Personas    |        | Varchar2(30 ) | NO  | NO  |
| nombre                | Personas    |        | Varchar2(30 ) | NO  | NO  |
| puesto                | Personas    |        | Varchar2(30 ) | NO  | NO  |
| residencia            | Personas    |        | Varchar2(30 ) | NO  | NO  |
| sexo                  | Personas    |        | Varchar2(1 )  | NO  | NO  |
| telefono              | Personas    |        | Varchar2(15 ) | NO  | NO  |
| tipo_persona          | Personas    |        | Varchar2(1 )  | NO  | NO  |
| cantidad_disponibles  | Productos   |        | Number        | NO  | NO  |
| codigo                | Productos   |        | Varchar2(30 ) | NO  | NO  |
| estado                | Productos   |        | Varchar2(1 )  | NO  | NO  |
| fecha_ingreso         | Productos   |        | Date          | NO  | NO  |
| id_bodega             | Productos   |        | Number        | NO  | YES |
| id_familia            | Productos   |        | Number        | NO  | YES |
| id_producto           | Productos   |        | Number        | YES | NO  |
| id_proveedor          | Productos   |        | Number        | NO  | YES |
| impuesto              | Productos   |        | Number        | NO  | NO  |
| nombre                | Productos   |        | Varchar2(30 ) | NO  | NO  |
| precio_compra         | Productos   |        | Number        | NO  | NO  |
| descripcion           | Promociones |        | Varchar2(30 ) | NO  | NO  |
| descuento             | Promociones |        | Number        | NO  | NO  |

| Full Name           | Entity         | Domain | Data Type    | PK  | FK  |
|---------------------|----------------|--------|--------------|-----|-----|
| fecha_fin           | Promociones    |        | Date         | NO  | NO  |
| fecha_inicio        | Promociones    |        | Date         | NO  | NO  |
| id_familia          | Promociones    |        | Number       | NO  | YES |
| id_negocio          | Promociones    |        | Number       | NO  | YES |
| id_producto         | Promociones    |        | Number       | NO  | YES |
| id_promocion        | Promociones    |        | Number       | YES | NO  |
| productos_minimos   | Promociones    |        | Number       | NO  | NO  |
| cedula_juridica     | Proveedores    |        | Varchar2(30) | NO  | NO  |
| id_proveedor        | Proveedores    |        | Number       | YES | NO  |
| nombre_proveedor    | Proveedores    |        | Varchar2(30) | NO  | NO  |
| fecha_cambio        | Registros      |        | Date         | NO  | NO  |
| id_detalle_producto | Registros      |        | Number       | NO  | NO  |
| id_registro         | Registros      |        | Number       | YES | NO  |
| precio_antiguo      | Registros      |        | Number       | NO  | NO  |
| precio_nuevo        | Registros      |        | Number       | NO  | NO  |
| costo               | Servicios      |        | Number       | NO  | NO  |
| id_servicio         | Servicios      |        | Number       | YES | NO  |
| id_sucursal         | Servicios      |        | Number       | NO  | YES |
| impuesto_servicio   | Servicios      |        | Varchar2(1)  | NO  | NO  |
| nombre_servicio     | Servicios      |        | Varchar2(30) | NO  | NO  |
| id_negocio          | Sucursales     |        | Number       | NO  | YES |
| id_sucursal         | Sucursales     |        | Number       | YES | NO  |
| ubicacion_sucursal  | Sucursales     |        | Varchar2(60) | NO  | NO  |
| id_tipo_negocio     | Tipos_Negocios |        | Number       | YES | NO  |
| tipo_negocio        | Tipos_Negocios |        | Varchar2(30) | NO  | NO  |

**Attribute 'id\_bodega'**

|                    |           |
|--------------------|-----------|
| <b>Caption</b>     | id_bodega |
| <b>Entity</b>      | Bodegas   |
| <b>Primary Key</b> | YES       |
| <b>Foreign Key</b> | NO        |
| <b>Data Type</b>   | Number    |
| <b>Not Null</b>    | YES       |
| <b>Unique</b>      | NO        |

**Attribute Properties**

|                      |              |
|----------------------|--------------|
| <b>Used Sequence</b> | SEQ_Bodegas0 |
|----------------------|--------------|

**Attribute 'id\_negocio'**

|             |            |               |          |
|-------------|------------|---------------|----------|
| Caption     | id_negocio |               |          |
| Entity      | Bodegas    |               |          |
| Primary Key | NO         |               |          |
| Foreign Key | YES        | Parent Entity | Negocios |
| Data Type   | Number     |               |          |
| Not Null    | NO         |               |          |
| Unique      | NO         |               |          |

**Attribute 'nombre\_bodega'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | nombre_bodega |
| <b>Entity</b>      | Bodegas       |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

**Attribute 'ubicacion\_bodega'**

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | ubicacion_bodega |
| <b>Entity</b>      | Bodegas          |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Varchar2(100 )   |

|                 |     |
|-----------------|-----|
| <b>Not Null</b> | YES |
| <b>Unique</b>   | NO  |

**Attribute 'credito\_favor'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | credito_favor |
| <b>Entity</b>      | Clientes      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Number        |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

**Attribute 'credito\_maximo'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | credito_maximo |
| <b>Entity</b>      | Clientes       |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Number         |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Attribute 'estado\_cliente'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | estado_cliente |
| <b>Entity</b>      | Clientes       |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(1 )   |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Check Constraints**

|                  |                             |
|------------------|-----------------------------|
| <b>Full Name</b> | CheckConstraintA1           |
| <b>Check</b>     | estado_cliente in ('A','I') |

**Attribute 'id\_cliente'**

|                    |            |
|--------------------|------------|
| <b>Caption</b>     | id_cliente |
| <b>Entity</b>      | Clientes   |
| <b>Primary Key</b> | YES        |
| <b>Foreign Key</b> | NO         |

|                  |        |
|------------------|--------|
| <b>Data Type</b> | Number |
| <b>Not Null</b>  | YES    |
| <b>Unique</b>    | NO     |

#### Attribute Properties

|                      |               |
|----------------------|---------------|
| <b>Used Sequence</b> | SEQ_Clientes0 |
|----------------------|---------------|

#### Attribute 'id\_negocio'

|                    |            |                      |          |
|--------------------|------------|----------------------|----------|
| <b>Caption</b>     | id_negocio |                      |          |
| <b>Entity</b>      | Clientes   |                      |          |
| <b>Primary Key</b> | NO         |                      |          |
| <b>Foreign Key</b> | YES        | <b>Parent Entity</b> | Negocios |
| <b>Data Type</b>   | Number     |                      |          |
| <b>Not Null</b>    | YES        |                      |          |
| <b>Unique</b>      | NO         |                      |          |

#### Attribute 'referencia'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | referencia    |
| <b>Entity</b>      | Clientes      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'valor\_referencia'

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | valor_referencia |
| <b>Entity</b>      | Clientes         |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Number           |
| <b>Not Null</b>    | YES              |
| <b>Unique</b>      | NO               |

#### Attribute 'codigobarra'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | codigobarra   |
| <b>Entity</b>      | CodigosBarras |
| <b>Primary Key</b> | YES           |

|                    |               |
|--------------------|---------------|
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'id\_producto'

|                    |               |                      |           |
|--------------------|---------------|----------------------|-----------|
| <b>Caption</b>     | id_producto   |                      |           |
| <b>Entity</b>      | CodigosBarras |                      |           |
| <b>Primary Key</b> | NO            |                      |           |
| <b>Foreign Key</b> | YES           | <b>Parent Entity</b> | Productos |
| <b>Data Type</b>   | Number        |                      |           |
| <b>Not Null</b>    | YES           |                      |           |
| <b>Unique</b>      | NO            |                      |           |

#### Attribute 'credito\_actual'

|                    |                 |  |  |
|--------------------|-----------------|--|--|
| <b>Caption</b>     | credito_actual  |  |  |
| <b>Entity</b>      | CreditoNegocios |  |  |
| <b>Primary Key</b> | NO              |  |  |
| <b>Foreign Key</b> | NO              |  |  |
| <b>Data Type</b>   | Number          |  |  |
| <b>Not Null</b>    | YES             |  |  |
| <b>Unique</b>      | NO              |  |  |

#### Attribute 'credito\_max'

|                    |                 |  |  |
|--------------------|-----------------|--|--|
| <b>Caption</b>     | credito_max     |  |  |
| <b>Entity</b>      | CreditoNegocios |  |  |
| <b>Primary Key</b> | NO              |  |  |
| <b>Foreign Key</b> | NO              |  |  |
| <b>Data Type</b>   | Number          |  |  |
| <b>Not Null</b>    | YES             |  |  |
| <b>Unique</b>      | NO              |  |  |

#### Attribute 'id\_negocio'

|                    |                 |                      |          |
|--------------------|-----------------|----------------------|----------|
| <b>Caption</b>     | id_negocio      |                      |          |
| <b>Entity</b>      | CreditoNegocios |                      |          |
| <b>Primary Key</b> | YES             |                      |          |
| <b>Foreign Key</b> | YES             | <b>Parent Entity</b> | Negocios |
| <b>Data Type</b>   | Number          |                      |          |
| <b>Not Null</b>    | YES             |                      |          |

|               |    |
|---------------|----|
| <b>Unique</b> | NO |
|---------------|----|

**Attribute 'id\_proveedor'**

|                    |                 |                      |             |
|--------------------|-----------------|----------------------|-------------|
| <b>Caption</b>     | id_proveedor    |                      |             |
| <b>Entity</b>      | CreditoNegocios |                      |             |
| <b>Primary Key</b> | YES             |                      |             |
| <b>Foreign Key</b> | YES             | <b>Parent Entity</b> | Proveedores |
| <b>Data Type</b>   | Number          |                      |             |
| <b>Not Null</b>    | YES             |                      |             |
| <b>Unique</b>      | NO              |                      |             |

**Attribute 'descuento'**

|                    |            |
|--------------------|------------|
| <b>Caption</b>     | descuento  |
| <b>Entity</b>      | Descuentos |
| <b>Primary Key</b> | NO         |
| <b>Foreign Key</b> | NO         |
| <b>Data Type</b>   | Number     |
| <b>Not Null</b>    | YES        |
| <b>Unique</b>      | NO         |

**Attribute 'fecha\_inicio'**

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | fecha_inicio |
| <b>Entity</b>      | Descuentos   |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Number       |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

**Attribute 'fecha\_vencimiento'**

|                    |                   |
|--------------------|-------------------|
| <b>Caption</b>     | fecha_vencimiento |
| <b>Entity</b>      | Descuentos        |
| <b>Primary Key</b> | NO                |
| <b>Foreign Key</b> | NO                |
| <b>Data Type</b>   | Number            |
| <b>Not Null</b>    | YES               |
| <b>Unique</b>      | NO                |

**Attribute 'id\_descuento'**

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | id_descuento |
| <b>Entity</b>      | Descuentos   |
| <b>Primary Key</b> | YES          |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Number       |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

#### Attribute 'id\_familia'

|             |            |               |          |
|-------------|------------|---------------|----------|
| Caption     | id_familia |               |          |
| Entity      | Descuentos |               |          |
| Primary Key | NO         |               |          |
| Foreign Key | YES        | Parent Entity | Familias |
| Data Type   | Number     |               |          |
| Not Null    | NO         |               |          |
| Unique      | NO         |               |          |

#### Attribute 'id\_proveedor'

|             |              |               |             |
|-------------|--------------|---------------|-------------|
| Caption     | id_proveedor |               |             |
| Entity      | Descuentos   |               |             |
| Primary Key | NO           |               |             |
| Foreign Key | YES          | Parent Entity | Proveedores |
| Data Type   | Number       |               |             |
| Not Null    | NO           |               |             |
| Unique      | NO           |               |             |

#### Attribute 'cantidad'

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | cantidad       |
| <b>Entity</b>      | DetalleFactura |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Number         |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

#### Attribute 'descuento'

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | descuento      |
| <b>Entity</b>      | DetalleFactura |
| <b>Primary Key</b> | NO             |



|                    |        |
|--------------------|--------|
| <b>Foreign Key</b> | NO     |
| <b>Data Type</b>   | Number |
| <b>Not Null</b>    | YES    |
| <b>Unique</b>      | NO     |

**Attribute 'estado'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | estado         |
| <b>Entity</b>      | DetalleFactura |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(1 )   |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Comments**

P= Pagado, D= Devuelto, N= Ninguno

**Attribute 'fecha\_venta'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | fecha_venta    |
| <b>Entity</b>      | DetalleFactura |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Date           |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Attribute 'id\_detalle\_factura'**

|                    |                    |
|--------------------|--------------------|
| <b>Caption</b>     | id_detalle_factura |
| <b>Entity</b>      | DetalleFactura     |
| <b>Primary Key</b> | YES                |
| <b>Foreign Key</b> | NO                 |
| <b>Data Type</b>   | Number             |
| <b>Not Null</b>    | YES                |
| <b>Unique</b>      | NO                 |

**Attribute Properties**

|                      |                      |
|----------------------|----------------------|
| <b>Used Sequence</b> | SEQ_DetalleFacturas0 |
|----------------------|----------------------|

**Attribute 'id\_factura'**

|                    |                |                      |          |
|--------------------|----------------|----------------------|----------|
| <b>Caption</b>     | id_factura     |                      |          |
| <b>Entity</b>      | DetalleFactura |                      |          |
| <b>Primary Key</b> | YES            |                      |          |
| <b>Foreign Key</b> | YES            | <b>Parent Entity</b> | Facturas |
| <b>Data Type</b>   | Number         |                      |          |
| <b>Not Null</b>    | YES            |                      |          |
| <b>Unique</b>      | NO             |                      |          |

**Attribute 'referencia'**

|                    |                |  |  |
|--------------------|----------------|--|--|
| <b>Caption</b>     | referencia     |  |  |
| <b>Entity</b>      | DetalleFactura |  |  |
| <b>Primary Key</b> | NO             |  |  |
| <b>Foreign Key</b> | NO             |  |  |
| <b>Data Type</b>   | Varchar2(30 )  |  |  |
| <b>Not Null</b>    | YES            |  |  |
| <b>Unique</b>      | NO             |  |  |

**Attribute 'subtotal'**

|                    |                |  |  |
|--------------------|----------------|--|--|
| <b>Caption</b>     | subtotal       |  |  |
| <b>Entity</b>      | DetalleFactura |  |  |
| <b>Primary Key</b> | NO             |  |  |
| <b>Foreign Key</b> | NO             |  |  |
| <b>Data Type</b>   | Number         |  |  |
| <b>Not Null</b>    | YES            |  |  |
| <b>Unique</b>      | NO             |  |  |

**Attribute 'total'**

|                    |                |  |  |
|--------------------|----------------|--|--|
| <b>Caption</b>     | total          |  |  |
| <b>Entity</b>      | DetalleFactura |  |  |
| <b>Primary Key</b> | NO             |  |  |
| <b>Foreign Key</b> | NO             |  |  |
| <b>Data Type</b>   | Number         |  |  |
| <b>Not Null</b>    | YES            |  |  |
| <b>Unique</b>      | NO             |  |  |

**Attribute 'valor\_referencia'**

|                |                  |  |  |
|----------------|------------------|--|--|
| <b>Caption</b> | valor_referencia |  |  |
|----------------|------------------|--|--|

|                    |                |
|--------------------|----------------|
| <b>Entity</b>      | DetalleFactura |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Number         |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

#### Attribute 'valor\_unitario'

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | valor_unitario |
| <b>Entity</b>      | DetalleFactura |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Number         |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

#### Attribute 'estado'

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | estado       |
| <b>Entity</b>      | Facturas     |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

#### Comments

C=Completamente Pagada, P=Parcialmente Pagada, N= No Pagada,

#### Attribute 'id\_factura'

|                    |            |
|--------------------|------------|
| <b>Caption</b>     | id_factura |
| <b>Entity</b>      | Facturas   |
| <b>Primary Key</b> | YES        |
| <b>Foreign Key</b> | NO         |
| <b>Data Type</b>   | Number     |
| <b>Not Null</b>    | YES        |
| <b>Unique</b>      | NO         |

#### Attribute Properties

|             |               |
|-------------|---------------|
| <b>Used</b> | SEQ_Facturas0 |
|-------------|---------------|

|                 |  |
|-----------------|--|
| <b>Sequence</b> |  |
|-----------------|--|

**Attribute 'id\_negocio'**

|                    |            |                      |          |
|--------------------|------------|----------------------|----------|
| <b>Caption</b>     | id_negocio |                      |          |
| <b>Entity</b>      | Facturas   |                      |          |
| <b>Primary Key</b> | NO         |                      |          |
| <b>Foreign Key</b> | YES        | <b>Parent Entity</b> | Negocios |
| <b>Data Type</b>   | Number     |                      |          |
| <b>Not Null</b>    | YES        |                      |          |
| <b>Unique</b>      | NO         |                      |          |

**Attribute 'modalidad'**

|                    |               |  |  |
|--------------------|---------------|--|--|
| <b>Caption</b>     | modalidad     |  |  |
| <b>Entity</b>      | Facturas      |  |  |
| <b>Primary Key</b> | NO            |  |  |
| <b>Foreign Key</b> | NO            |  |  |
| <b>Data Type</b>   | Varchar2(30 ) |  |  |
| <b>Not Null</b>    | YES           |  |  |
| <b>Unique</b>      | NO            |  |  |

**Attribute 'observacion'**

|                    |               |  |  |
|--------------------|---------------|--|--|
| <b>Caption</b>     | observacion   |  |  |
| <b>Entity</b>      | Facturas      |  |  |
| <b>Primary Key</b> | NO            |  |  |
| <b>Foreign Key</b> | NO            |  |  |
| <b>Data Type</b>   | Varchar2(30 ) |  |  |
| <b>Not Null</b>    | YES           |  |  |
| <b>Unique</b>      | NO            |  |  |

**Attribute 'referencia'**

|                    |               |  |  |
|--------------------|---------------|--|--|
| <b>Caption</b>     | referencia    |  |  |
| <b>Entity</b>      | Facturas      |  |  |
| <b>Primary Key</b> | NO            |  |  |
| <b>Foreign Key</b> | NO            |  |  |
| <b>Data Type</b>   | Varchar2(30 ) |  |  |
| <b>Not Null</b>    | YES           |  |  |
| <b>Unique</b>      | NO            |  |  |

**Comments**

Hace referencia a la tabla de proveedor o de cliente

#### Attribute 'tipo\_factura'

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | tipo_factura |
| <b>Entity</b>      | Facturas     |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

#### Attribute 'valor\_referencia'

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | valor_referencia |
| <b>Entity</b>      | Facturas         |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Number           |
| <b>Not Null</b>    | YES              |
| <b>Unique</b>      | NO               |

#### Comments ---

Guarda el id a quien esta referenciando

#### Attribute 'estado'

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | estado           |
| <b>Entity</b>      | FacturasPorPagar |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Varchar2(1 )     |
| <b>Not Null</b>    | YES              |
| <b>Unique</b>      | NO               |

#### Attribute 'fecha\_ultimo\_abono'

|                    |                    |
|--------------------|--------------------|
| <b>Caption</b>     | fecha_ultimo_abono |
| <b>Entity</b>      | FacturasPorPagar   |
| <b>Primary Key</b> | NO                 |
| <b>Foreign Key</b> | NO                 |
| <b>Data Type</b>   | Date               |

|                 |     |
|-----------------|-----|
| <b>Not Null</b> | YES |
| <b>Unique</b>   | NO  |

**Attribute 'id\_factura'**

|                    |                  |                      |          |
|--------------------|------------------|----------------------|----------|
| <b>Caption</b>     | id_factura       |                      |          |
| <b>Entity</b>      | FacturasPorPagar |                      |          |
| <b>Primary Key</b> | NO               |                      |          |
| <b>Foreign Key</b> | YES              | <b>Parent Entity</b> | Facturas |
| <b>Data Type</b>   | Number           |                      |          |
| <b>Not Null</b>    | NO               |                      |          |
| <b>Unique</b>      | NO               |                      |          |

**Attribute 'id\_factura\_por\_pagar'**

|                    |                      |  |  |
|--------------------|----------------------|--|--|
| <b>Caption</b>     | id_factura_por_pagar |  |  |
| <b>Entity</b>      | FacturasPorPagar     |  |  |
| <b>Primary Key</b> | YES                  |  |  |
| <b>Foreign Key</b> | NO                   |  |  |
| <b>Data Type</b>   | Number               |  |  |
| <b>Not Null</b>    | YES                  |  |  |
| <b>Unique</b>      | NO                   |  |  |

**Attribute Properties**

|                      |                       |
|----------------------|-----------------------|
| <b>Used Sequence</b> | SEQ_FacturasPorPagar0 |
|----------------------|-----------------------|

**Attribute 'id\_negocio'**

|                    |                  |                      |          |
|--------------------|------------------|----------------------|----------|
| <b>Caption</b>     | id_negocio       |                      |          |
| <b>Entity</b>      | FacturasPorPagar |                      |          |
| <b>Primary Key</b> | NO               |                      |          |
| <b>Foreign Key</b> | YES              | <b>Parent Entity</b> | Negocios |
| <b>Data Type</b>   | Number           |                      |          |
| <b>Not Null</b>    | NO               |                      |          |
| <b>Unique</b>      | NO               |                      |          |

**Attribute 'monto\_pagado'**

|                    |                  |  |  |
|--------------------|------------------|--|--|
| <b>Caption</b>     | monto_pagado     |  |  |
| <b>Entity</b>      | FacturasPorPagar |  |  |
| <b>Primary Key</b> | NO               |  |  |
| <b>Foreign Key</b> | NO               |  |  |

|                  |        |
|------------------|--------|
| <b>Data Type</b> | Number |
| <b>Not Null</b>  | YES    |
| <b>Unique</b>    | NO     |

**Attribute 'monto\_total'**

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | monto_total      |
| <b>Entity</b>      | FacturasPorPagar |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Number           |
| <b>Not Null</b>    | YES              |
| <b>Unique</b>      | NO               |

**Attribute 'id\_familia'**

|                    |            |
|--------------------|------------|
| <b>Caption</b>     | id_familia |
| <b>Entity</b>      | Familias   |
| <b>Primary Key</b> | YES        |
| <b>Foreign Key</b> | NO         |
| <b>Data Type</b>   | Number     |
| <b>Not Null</b>    | YES        |
| <b>Unique</b>      | NO         |

**Attribute Properties**

|                      |               |
|----------------------|---------------|
| <b>Used Sequence</b> | SEQ_Familias0 |
|----------------------|---------------|

**Attribute 'nombre\_familia'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | nombre_familia |
| <b>Entity</b>      | Familias       |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(30 )  |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Attribute 'id\_producto'**

|                    |             |
|--------------------|-------------|
| <b>Caption</b>     | id_producto |
| <b>Entity</b>      | Inventarios |
| <b>Primary Key</b> | YES         |

|                    |        |                      |           |
|--------------------|--------|----------------------|-----------|
| <b>Foreign Key</b> | YES    | <b>Parent Entity</b> | Productos |
| <b>Data Type</b>   | Number |                      |           |
| <b>Not Null</b>    | YES    |                      |           |
| <b>Unique</b>      | NO     |                      |           |

**Attribute 'id\_sucursal'**

|                    |             |                      |            |
|--------------------|-------------|----------------------|------------|
| <b>Caption</b>     | id_sucursal |                      |            |
| <b>Entity</b>      | Inventarios |                      |            |
| <b>Primary Key</b> | YES         |                      |            |
| <b>Foreign Key</b> | YES         | <b>Parent Entity</b> | Sucursales |
| <b>Data Type</b>   | Number      |                      |            |
| <b>Not Null</b>    | YES         |                      |            |
| <b>Unique</b>      | NO          |                      |            |

**Attribute 'porcentaje\_max\_descuento'**

|                    |                          |  |  |
|--------------------|--------------------------|--|--|
| <b>Caption</b>     | porcentaje_max_descuento |  |  |
| <b>Entity</b>      | Inventarios              |  |  |
| <b>Primary Key</b> | NO                       |  |  |
| <b>Foreign Key</b> | NO                       |  |  |
| <b>Data Type</b>   | Number                   |  |  |
| <b>Not Null</b>    | YES                      |  |  |
| <b>Unique</b>      | NO                       |  |  |

**Attribute 'porcentaje\_utilidad'**

|                    |                     |  |  |
|--------------------|---------------------|--|--|
| <b>Caption</b>     | porcentaje_utilidad |  |  |
| <b>Entity</b>      | Inventarios         |  |  |
| <b>Primary Key</b> | NO                  |  |  |
| <b>Foreign Key</b> | NO                  |  |  |
| <b>Data Type</b>   | Number              |  |  |
| <b>Not Null</b>    | YES                 |  |  |
| <b>Unique</b>      | NO                  |  |  |

**Attribute 'id\_factura'**

|                    |                   |                      |          |
|--------------------|-------------------|----------------------|----------|
| <b>Caption</b>     | id_factura        |                      |          |
| <b>Entity</b>      | MedioPagoFacturas |                      |          |
| <b>Primary Key</b> | NO                |                      |          |
| <b>Foreign Key</b> | YES               | <b>Parent Entity</b> | Facturas |
| <b>Data Type</b>   | Number            |                      |          |
| <b>Not Null</b>    | NO                |                      |          |



|               |    |
|---------------|----|
| <b>Unique</b> | NO |
|---------------|----|

**Attribute 'id\_medio\_pago'**

|                    |                   |                      |            |
|--------------------|-------------------|----------------------|------------|
| <b>Caption</b>     | id_medio_pago     |                      |            |
| <b>Entity</b>      | MedioPagoFacturas |                      |            |
| <b>Primary Key</b> | NO                |                      |            |
| <b>Foreign Key</b> | YES               | <b>Parent Entity</b> | MedioPagos |
| <b>Data Type</b>   | Number            |                      |            |
| <b>Not Null</b>    | NO                |                      |            |
| <b>Unique</b>      | NO                |                      |            |

**Attribute 'id\_medio\_pago\_factura'**

|                    |                       |  |  |
|--------------------|-----------------------|--|--|
| <b>Caption</b>     | id_medio_pago_factura |  |  |
| <b>Entity</b>      | MedioPagoFacturas     |  |  |
| <b>Primary Key</b> | YES                   |  |  |
| <b>Foreign Key</b> | NO                    |  |  |
| <b>Data Type</b>   | Number                |  |  |
| <b>Not Null</b>    | YES                   |  |  |
| <b>Unique</b>      | NO                    |  |  |

**Attribute 'monto'**

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| <b>Caption</b>     | monto             |  |  |
| <b>Entity</b>      | MedioPagoFacturas |  |  |
| <b>Primary Key</b> | NO                |  |  |
| <b>Foreign Key</b> | NO                |  |  |
| <b>Data Type</b>   | Number            |  |  |
| <b>Not Null</b>    | YES               |  |  |
| <b>Unique</b>      | NO                |  |  |

**Attribute 'NoDocumento'**

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| <b>Caption</b>     | NoDocumento       |  |  |
| <b>Entity</b>      | MedioPagoFacturas |  |  |
| <b>Primary Key</b> | NO                |  |  |
| <b>Foreign Key</b> | NO                |  |  |
| <b>Data Type</b>   | Number            |  |  |
| <b>Not Null</b>    | YES               |  |  |
| <b>Unique</b>      | NO                |  |  |

**Attribute 'estado'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | estado        |
| <b>Entity</b>      | MedioPagos    |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'id\_medio\_pago'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | id_medio_pago |
| <b>Entity</b>      | MedioPagos    |
| <b>Primary Key</b> | YES           |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Number        |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute Properties

|                      |                |
|----------------------|----------------|
| <b>Used Sequence</b> | SEQ_MedioPago0 |
|----------------------|----------------|

#### Attribute 'nombre\_medio'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | nombre_medio  |
| <b>Entity</b>      | MedioPagos    |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'cedula\_juridica\_neg'

|                    |                     |
|--------------------|---------------------|
| <b>Caption</b>     | cedula_juridica_neg |
| <b>Entity</b>      | Negocios            |
| <b>Primary Key</b> | NO                  |
| <b>Foreign Key</b> | NO                  |
| <b>Data Type</b>   | Varchar2(30 )       |
| <b>Not Null</b>    | YES                 |
| <b>Unique</b>      | YES                 |

**Attribute 'id\_negocio'**

|                    |            |
|--------------------|------------|
| <b>Caption</b>     | id_negocio |
| <b>Entity</b>      | Negocios   |
| <b>Primary Key</b> | YES        |
| <b>Foreign Key</b> | NO         |
| <b>Data Type</b>   | Number     |
| <b>Not Null</b>    | YES        |
| <b>Unique</b>      | NO         |

**Attribute 'id\_tipo\_negocio'**

|             |                 |               |                |
|-------------|-----------------|---------------|----------------|
| Caption     | id_tipo_negocio |               |                |
| Entity      | Negocios        |               |                |
| Primary Key | NO              |               |                |
| Foreign Key | YES             | Parent Entity | Tipos_Negocios |
| Data Type   | Number          |               |                |
| Not Null    | YES             |               |                |
| Unique      | NO              |               |                |

**Attribute 'nombre\_negocio'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | nombre_negocio |
| <b>Entity</b>      | Negocios       |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(30 )  |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Attribute 'apellidos'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | apellidos     |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(60 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

**Attribute 'asegurado'**

|                |           |
|----------------|-----------|
| <b>Caption</b> | asegurado |
|----------------|-----------|

|                    |              |
|--------------------|--------------|
| <b>Entity</b>      | Personas     |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

**Attribute 'cedula'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | cedula        |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

**Attribute 'direccion\_casa'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | direccion_casa |
| <b>Entity</b>      | Personas       |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(150 ) |
| <b>Not Null</b>    | NO             |
| <b>Unique</b>      | NO             |

**Attribute 'direccion\_trabajo'**

|                    |                   |
|--------------------|-------------------|
| <b>Caption</b>     | direccion_trabajo |
| <b>Entity</b>      | Personas          |
| <b>Primary Key</b> | NO                |
| <b>Foreign Key</b> | NO                |
| <b>Data Type</b>   | Varchar2(150 )    |
| <b>Not Null</b>    | NO                |
| <b>Unique</b>      | NO                |

**Attribute 'email'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | email          |
| <b>Entity</b>      | Personas       |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(150 ) |

|                 |     |
|-----------------|-----|
| <b>Not Null</b> | YES |
| <b>Unique</b>   | NO  |

**Attribute 'empresa'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | empresa       |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | NO            |
| <b>Unique</b>      | NO            |

**Attribute 'escolaridad'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | escolaridad   |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(50 ) |
| <b>Not Null</b>    | NO            |
| <b>Unique</b>      | NO            |

**Attribute 'estado\_civil'**

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | estado_civil |
| <b>Entity</b>      | Personas     |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | NO           |
| <b>Unique</b>      | NO           |

**Attribute 'fax'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | fax           |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(15 ) |
| <b>Not Null</b>    | NO            |
| <b>Unique</b>      | NO            |

**Attribute 'fecha\_ingreso\_cliente'**

|                    |                       |
|--------------------|-----------------------|
| <b>Caption</b>     | fecha_ingreso_cliente |
| <b>Entity</b>      | Personas              |
| <b>Primary Key</b> | NO                    |
| <b>Foreign Key</b> | NO                    |
| <b>Data Type</b>   | Date                  |
| <b>Not Null</b>    | YES                   |
| <b>Unique</b>      | NO                    |

**Attribute 'fecha\_nacimiento'**

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | fecha_nacimiento |
| <b>Entity</b>      | Personas         |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Date             |
| <b>Not Null</b>    | YES              |
| <b>Unique</b>      | NO               |

**Attribute 'id\_persona'**

|                    |            |
|--------------------|------------|
| <b>Caption</b>     | id_persona |
| <b>Entity</b>      | Personas   |
| <b>Primary Key</b> | YES        |
| <b>Foreign Key</b> | NO         |
| <b>Data Type</b>   | Number     |
| <b>Not Null</b>    | YES        |
| <b>Unique</b>      | NO         |

**Attribute Properties**

|                      |              |
|----------------------|--------------|
| <b>Used Sequence</b> | SEQ_Persona0 |
|----------------------|--------------|

**Attribute 'nacionalidad'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | nacionalidad  |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |

|               |    |
|---------------|----|
| <b>Unique</b> | NO |
|---------------|----|

**Attribute 'nombre'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | nombre        |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

**Attribute 'puesto'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | puesto        |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | NO            |
| <b>Unique</b>      | NO            |

**Attribute 'residencia'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | residencia    |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

**Attribute 'sexo'**

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | sexo         |
| <b>Entity</b>      | Personas     |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

**Attribute 'telefono'**

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | telefono      |
| <b>Entity</b>      | Personas      |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(15 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'tipo\_persona'

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | tipo_persona |
| <b>Entity</b>      | Personas     |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

#### Attribute 'cantidad\_disponibles'

|                    |                      |
|--------------------|----------------------|
| <b>Caption</b>     | cantidad_disponibles |
| <b>Entity</b>      | Productos            |
| <b>Primary Key</b> | NO                   |
| <b>Foreign Key</b> | NO                   |
| <b>Data Type</b>   | Number               |
| <b>Not Null</b>    | YES                  |
| <b>Unique</b>      | NO                   |

#### Attribute 'codigo'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | codigo        |
| <b>Entity</b>      | Productos     |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | YES           |

#### Attribute 'estado'

|                    |           |
|--------------------|-----------|
| <b>Caption</b>     | estado    |
| <b>Entity</b>      | Productos |
| <b>Primary Key</b> | NO        |



|                    |              |
|--------------------|--------------|
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Varchar2(1 ) |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

### Comments

V= Vencido, B= Bodega, C= Comprado

### Attribute 'fecha\_ingreso'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | fecha_ingreso |
| <b>Entity</b>      | Productos     |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Date          |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

### Attribute 'id\_bodega'

|             |           |               |         |
|-------------|-----------|---------------|---------|
| Caption     | id_bodega |               |         |
| Entity      | Productos |               |         |
| Primary Key | NO        |               |         |
| Foreign Key | YES       | Parent Entity | Bodegas |
| Data Type   | Number    |               |         |
| Not Null    | NO        |               |         |
| Unique      | NO        |               |         |

### Attribute 'id\_familia'

|             |            |               |          |
|-------------|------------|---------------|----------|
| Caption     | id_familia |               |          |
| Entity      | Productos  |               |          |
| Primary Key | NO         |               |          |
| Foreign Key | YES        | Parent Entity | Familias |
| Data Type   | Number     |               |          |
| Not Null    | YES        |               |          |
| Unique      | NO         |               |          |

### Attribute 'id\_producto'

|                |             |
|----------------|-------------|
| <b>Caption</b> | id_producto |
| <b>Entity</b>  | Productos   |

|                    |        |
|--------------------|--------|
| <b>Primary Key</b> | YES    |
| <b>Foreign Key</b> | NO     |
| <b>Data Type</b>   | Number |
| <b>Not Null</b>    | YES    |
| <b>Unique</b>      | NO     |

#### Attribute Properties

|                      |                |
|----------------------|----------------|
| <b>Invisible</b>     | YES            |
| <b>Used Sequence</b> | SEQ_Productos0 |

#### Attribute 'id\_proveedor'

|                    |              |                      |             |
|--------------------|--------------|----------------------|-------------|
| <b>Caption</b>     | id_proveedor |                      |             |
| <b>Entity</b>      | Productos    |                      |             |
| <b>Primary Key</b> | NO           |                      |             |
| <b>Foreign Key</b> | YES          | <b>Parent Entity</b> | Proveedores |
| <b>Data Type</b>   | Number       |                      |             |
| <b>Not Null</b>    | YES          |                      |             |
| <b>Unique</b>      | NO           |                      |             |

#### Attribute 'impuesto'

|                    |           |
|--------------------|-----------|
| <b>Caption</b>     | impuesto  |
| <b>Entity</b>      | Productos |
| <b>Primary Key</b> | NO        |
| <b>Foreign Key</b> | NO        |
| <b>Data Type</b>   | Number    |
| <b>Not Null</b>    | YES       |
| <b>Unique</b>      | NO        |

#### Attribute 'nombre'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | nombre        |
| <b>Entity</b>      | Productos     |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'precio\_compra'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | precio_compra |
| <b>Entity</b>      | Productos     |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Number        |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'descripcion'

|                    |               |
|--------------------|---------------|
| <b>Caption</b>     | descripcion   |
| <b>Entity</b>      | Promociones   |
| <b>Primary Key</b> | NO            |
| <b>Foreign Key</b> | NO            |
| <b>Data Type</b>   | Varchar2(30 ) |
| <b>Not Null</b>    | YES           |
| <b>Unique</b>      | NO            |

#### Attribute 'descuento'

|                    |             |
|--------------------|-------------|
| <b>Caption</b>     | descuento   |
| <b>Entity</b>      | Promociones |
| <b>Primary Key</b> | NO          |
| <b>Foreign Key</b> | NO          |
| <b>Data Type</b>   | Number      |
| <b>Not Null</b>    | YES         |
| <b>Unique</b>      | NO          |

#### Attribute 'fecha\_fin'

|                    |             |
|--------------------|-------------|
| <b>Caption</b>     | fecha_fin   |
| <b>Entity</b>      | Promociones |
| <b>Primary Key</b> | NO          |
| <b>Foreign Key</b> | NO          |
| <b>Data Type</b>   | Date        |
| <b>Not Null</b>    | YES         |
| <b>Unique</b>      | NO          |

#### Attribute 'fecha\_inicio'

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | fecha_inicio |
| <b>Entity</b>      | Promociones  |
| <b>Primary Key</b> | NO           |

|                    |      |
|--------------------|------|
| <b>Foreign Key</b> | NO   |
| <b>Data Type</b>   | Date |
| <b>Not Null</b>    | YES  |
| <b>Unique</b>      | NO   |

#### Attribute 'id\_familia'

|                    |             |                      |          |
|--------------------|-------------|----------------------|----------|
| <b>Caption</b>     | id_familia  |                      |          |
| <b>Entity</b>      | Promociones |                      |          |
| <b>Primary Key</b> | NO          |                      |          |
| <b>Foreign Key</b> | YES         | <b>Parent Entity</b> | Familias |
| <b>Data Type</b>   | Number      |                      |          |
| <b>Not Null</b>    | NO          |                      |          |
| <b>Unique</b>      | NO          |                      |          |

#### Attribute 'id\_negocio'

|                    |             |                      |          |
|--------------------|-------------|----------------------|----------|
| <b>Caption</b>     | id_negocio  |                      |          |
| <b>Entity</b>      | Promociones |                      |          |
| <b>Primary Key</b> | NO          |                      |          |
| <b>Foreign Key</b> | YES         | <b>Parent Entity</b> | Negocios |
| <b>Data Type</b>   | Number      |                      |          |
| <b>Not Null</b>    | YES         |                      |          |
| <b>Unique</b>      | NO          |                      |          |

#### Attribute 'id\_producto'

|                    |             |                      |           |
|--------------------|-------------|----------------------|-----------|
| <b>Caption</b>     | id_producto |                      |           |
| <b>Entity</b>      | Promociones |                      |           |
| <b>Primary Key</b> | NO          |                      |           |
| <b>Foreign Key</b> | YES         | <b>Parent Entity</b> | Productos |
| <b>Data Type</b>   | Number      |                      |           |
| <b>Not Null</b>    | NO          |                      |           |
| <b>Unique</b>      | NO          |                      |           |

#### Attribute 'id\_promocion'

|                    |              |  |  |
|--------------------|--------------|--|--|
| <b>Caption</b>     | id_promocion |  |  |
| <b>Entity</b>      | Promociones  |  |  |
| <b>Primary Key</b> | YES          |  |  |
| <b>Foreign Key</b> | NO           |  |  |
| <b>Data Type</b>   | Number       |  |  |
| <b>Not Null</b>    | YES          |  |  |

|        |    |
|--------|----|
| Unique | NO |
|--------|----|

---

**Attribute Properties**


---

|               |                  |
|---------------|------------------|
| Used Sequence | SEQ_Promociones0 |
|---------------|------------------|

**Attribute 'productos\_minimos'**

|             |                   |
|-------------|-------------------|
| Caption     | productos_minimos |
| Entity      | Promociones       |
| Primary Key | NO                |
| Foreign Key | NO                |
| Data Type   | Number            |
| Not Null    | YES               |
| Unique      | NO                |

**Attribute 'cedula\_juridica'**

|             |                 |
|-------------|-----------------|
| Caption     | cedula_juridica |
| Entity      | Proveedores     |
| Primary Key | NO              |
| Foreign Key | NO              |
| Data Type   | Varchar2(30 )   |
| Not Null    | YES             |
| Unique      | YES             |

**Attribute 'id\_proveedor'**

|             |              |
|-------------|--------------|
| Caption     | id_proveedor |
| Entity      | Proveedores  |
| Primary Key | YES          |
| Foreign Key | NO           |
| Data Type   | Number       |
| Not Null    | YES          |
| Unique      | NO           |

---

**Attribute Properties**


---

|               |                  |
|---------------|------------------|
| Used Sequence | SEQ_Proveedores0 |
|---------------|------------------|

**Attribute 'nombre\_proveedor'**

|                    |                  |
|--------------------|------------------|
| <b>Caption</b>     | nombre_proveedor |
| <b>Entity</b>      | Proveedores      |
| <b>Primary Key</b> | NO               |
| <b>Foreign Key</b> | NO               |
| <b>Data Type</b>   | Varchar2(30 )    |
| <b>Not Null</b>    | YES              |
| <b>Unique</b>      | NO               |

#### Attribute 'fecha\_cambio'

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | fecha_cambio |
| <b>Entity</b>      | Registros    |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Date         |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

#### Attribute 'id\_detalle\_producto'

|                    |                     |
|--------------------|---------------------|
| <b>Caption</b>     | id_detalle_producto |
| <b>Entity</b>      | Registros           |
| <b>Primary Key</b> | NO                  |
| <b>Foreign Key</b> | NO                  |
| <b>Data Type</b>   | Number              |
| <b>Not Null</b>    | YES                 |
| <b>Unique</b>      | NO                  |

#### Attribute 'id\_registro'

|                    |             |
|--------------------|-------------|
| <b>Caption</b>     | id_registro |
| <b>Entity</b>      | Registros   |
| <b>Primary Key</b> | YES         |
| <b>Foreign Key</b> | NO          |
| <b>Data Type</b>   | Number      |
| <b>Not Null</b>    | YES         |
| <b>Unique</b>      | NO          |

#### Attribute Properties

|                      |                |
|----------------------|----------------|
| <b>Used Sequence</b> | SEQ_Registros0 |
|----------------------|----------------|

**Attribute 'precio\_antiguo'**

|                    |                |
|--------------------|----------------|
| <b>Caption</b>     | precio_antiguo |
| <b>Entity</b>      | Registros      |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Number         |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

**Attribute 'precio\_nuevo'**

|                    |              |
|--------------------|--------------|
| <b>Caption</b>     | precio_nuevo |
| <b>Entity</b>      | Registros    |
| <b>Primary Key</b> | NO           |
| <b>Foreign Key</b> | NO           |
| <b>Data Type</b>   | Number       |
| <b>Not Null</b>    | YES          |
| <b>Unique</b>      | NO           |

**Attribute 'costo'**

|                    |           |
|--------------------|-----------|
| <b>Caption</b>     | costo     |
| <b>Entity</b>      | Servicios |
| <b>Primary Key</b> | NO        |
| <b>Foreign Key</b> | NO        |
| <b>Data Type</b>   | Number    |
| <b>Not Null</b>    | YES       |
| <b>Unique</b>      | NO        |

**Attribute 'id\_servicio'**

|                    |             |
|--------------------|-------------|
| <b>Caption</b>     | id_servicio |
| <b>Entity</b>      | Servicios   |
| <b>Primary Key</b> | YES         |
| <b>Foreign Key</b> | NO          |
| <b>Data Type</b>   | Number      |
| <b>Not Null</b>    | YES         |
| <b>Unique</b>      | NO          |

**Attribute Properties**

|             |                |
|-------------|----------------|
| <b>Used</b> | SEQ_Servicios0 |
|-------------|----------------|

|                 |  |
|-----------------|--|
| <b>Sequence</b> |  |
|-----------------|--|

**Attribute 'id\_sucursal'**

|                    |             |                      |            |
|--------------------|-------------|----------------------|------------|
| <b>Caption</b>     | id_sucursal |                      |            |
| <b>Entity</b>      | Servicios   |                      |            |
| <b>Primary Key</b> | NO          |                      |            |
| <b>Foreign Key</b> | YES         | <b>Parent Entity</b> | Sucursales |
| <b>Data Type</b>   | Number      |                      |            |
| <b>Not Null</b>    | NO          |                      |            |
| <b>Unique</b>      | NO          |                      |            |

**Attribute 'impuesto\_servicio'**

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| <b>Caption</b>     | impuesto_servicio |  |  |
| <b>Entity</b>      | Servicios         |  |  |
| <b>Primary Key</b> | NO                |  |  |
| <b>Foreign Key</b> | NO                |  |  |
| <b>Data Type</b>   | Varchar2(1 )      |  |  |
| <b>Not Null</b>    | YES               |  |  |
| <b>Unique</b>      | NO                |  |  |

**Attribute 'nombre\_servicio'**

|                    |                 |  |  |
|--------------------|-----------------|--|--|
| <b>Caption</b>     | nombre_servicio |  |  |
| <b>Entity</b>      | Servicios       |  |  |
| <b>Primary Key</b> | NO              |  |  |
| <b>Foreign Key</b> | NO              |  |  |
| <b>Data Type</b>   | Varchar2(30 )   |  |  |
| <b>Not Null</b>    | YES             |  |  |
| <b>Unique</b>      | NO              |  |  |

**Attribute 'id\_negocio'**

|                    |            |                      |          |
|--------------------|------------|----------------------|----------|
| <b>Caption</b>     | id_negocio |                      |          |
| <b>Entity</b>      | Sucursales |                      |          |
| <b>Primary Key</b> | NO         |                      |          |
| <b>Foreign Key</b> | YES        | <b>Parent Entity</b> | Negocios |
| <b>Data Type</b>   | Number     |                      |          |
| <b>Not Null</b>    | NO         |                      |          |
| <b>Unique</b>      | NO         |                      |          |



**Attribute 'id\_sucursal'**

|                    |             |
|--------------------|-------------|
| <b>Caption</b>     | id_sucursal |
| <b>Entity</b>      | Sucursales  |
| <b>Primary Key</b> | YES         |
| <b>Foreign Key</b> | NO          |
| <b>Data Type</b>   | Number      |
| <b>Not Null</b>    | YES         |
| <b>Unique</b>      | NO          |

**Attribute Properties**

|                      |                 |
|----------------------|-----------------|
| <b>Used Sequence</b> | SEQ_Sucursales0 |
|----------------------|-----------------|

**Attribute 'ubicacion\_sucursal'**

|                    |                    |
|--------------------|--------------------|
| <b>Caption</b>     | ubicacion_sucursal |
| <b>Entity</b>      | Sucursales         |
| <b>Primary Key</b> | NO                 |
| <b>Foreign Key</b> | NO                 |
| <b>Data Type</b>   | Varchar2(60 )      |
| <b>Not Null</b>    | YES                |
| <b>Unique</b>      | NO                 |

**Attribute 'id\_tipo\_negocio'**

|                    |                 |
|--------------------|-----------------|
| <b>Caption</b>     | id_tipo_negocio |
| <b>Entity</b>      | Tipos_Negocios  |
| <b>Primary Key</b> | YES             |
| <b>Foreign Key</b> | NO              |
| <b>Data Type</b>   | Number          |
| <b>Not Null</b>    | YES             |
| <b>Unique</b>      | NO              |

**Attribute Properties**

|                      |                   |
|----------------------|-------------------|
| <b>Used Sequence</b> | SEQ_TipoNegocios0 |
|----------------------|-------------------|

**Attribute 'tipo\_negocio'**

|                |              |
|----------------|--------------|
| <b>Caption</b> | tipo_negocio |
|----------------|--------------|

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|                    |                |
|--------------------|----------------|
| <b>Entity</b>      | Tipos_Negocios |
| <b>Primary Key</b> | NO             |
| <b>Foreign Key</b> | NO             |
| <b>Data Type</b>   | Varchar2(30 )  |
| <b>Not Null</b>    | YES            |
| <b>Unique</b>      | NO             |

## Key Report

| Type | Full Name            | Entity            |
|------|----------------------|-------------------|
| PK   | PK_Bodegas           | Bodegas           |
| PK   | PK_Clientes          | Clientes          |
| PK   | FK_CodigosBarras     | CodigosBarras     |
| PK   | PFK_CreditoNegocios  | CreditoNegocios   |
| PK   | PK_<%OwnerName%>     | Descuentos        |
| PK   | PFK_DetalleFactura   | DetalleFactura    |
| PK   | PK_Facturas          | Facturas          |
| PK   | PK_FacturasPorPagar  | FacturasPorPagar  |
| PK   | PK_Familias          | Familias          |
| PK   | PFK_Inventarios      | Inventarios       |
| PK   | PK_MedioPagoFacturas | MedioPagoFacturas |
| PK   | PK_MedioPagos        | MedioPagos        |
| AK   | cedula_juridica_neg  | Negocios          |
| PK   | PK_Negocios          | Negocios          |
| PK   | PK_<%OwnerName%>     | Personas          |
| AK   | codigo               | Productos         |
| PK   | PK_Productos         | Productos         |
| PK   | PK_<%OwnerName%>     | Promociones       |
| AK   | cedula_juridica      | Proveedores       |
| PK   | PK_Proveedores       | Proveedores       |
| PK   | PK_<%OwnerName%>     | Registros         |
| PK   | PK_Servicios         | Servicios         |
| PK   | PK_Sucursales        | Sucursales        |
| PK   | PK_Tipos_Negocios    | Tipos_Negocios    |

**Key 'PK\_Bodegas'**

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Bodegas   |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Bodegas      |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_bodega        | ASC          | NO                 |  |

**Key 'PK\_Clientes'**

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Clientes  |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Clientes     |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_cliente       | ASC          | NO                 |  |

**Key 'FK\_CodigosBarras'**

|                  |                  |                    |  |
|------------------|------------------|--------------------|--|
| <b>Caption</b>   | FK_CodigosBarras |                    |  |
| <b>Type</b>      | Primary Key      |                    |  |
| <b>Entity</b>    | CodigosBarras    |                    |  |
| <b>Attribute</b> | <b>Order</b>     | <b>Foreign Key</b> |  |
| codigobarra      | ASC              | NO                 |  |

**Key 'PFK\_CreditoNegocios'**

|                  |                     |                    |  |
|------------------|---------------------|--------------------|--|
| <b>Caption</b>   | PFK_CreditoNegocios |                    |  |
| <b>Type</b>      | Primary Key         |                    |  |
| <b>Entity</b>    | CreditoNegocios     |                    |  |
| <b>Attribute</b> | <b>Order</b>        | <b>Foreign Key</b> |  |
| id_negocio       | ASC                 | YES                |  |
| id_proveedor     | ASC                 | YES                |  |

**Key 'PK\_<%OwnerName%>'**

|                  |               |                    |  |
|------------------|---------------|--------------------|--|
| <b>Caption</b>   | PK_Descuentos |                    |  |
| <b>Type</b>      | Primary Key   |                    |  |
| <b>Entity</b>    | Descuentos    |                    |  |
| <b>Attribute</b> | <b>Order</b>  | <b>Foreign Key</b> |  |
| id_descuento     | ASC           | NO                 |  |

#### Key 'PFK\_DetalleFactura'

|                    |                    |                    |  |
|--------------------|--------------------|--------------------|--|
| <b>Caption</b>     | PFK_DetalleFactura |                    |  |
| <b>Type</b>        | Primary Key        |                    |  |
| <b>Entity</b>      | DetalleFactura     |                    |  |
| <b>Attribute</b>   | <b>Order</b>       | <b>Foreign Key</b> |  |
| id_detalle_factura | ASC                | NO                 |  |
| id_factura         | ASC                | YES                |  |

#### Key 'PK\_Facturas'

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Facturas  |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Facturas     |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_factura       | ASC          | NO                 |  |

#### Key 'PK\_FacturasPorPagar'

|                      |                     |                    |  |
|----------------------|---------------------|--------------------|--|
| <b>Caption</b>       | PK_FacturasPorPagar |                    |  |
| <b>Type</b>          | Primary Key         |                    |  |
| <b>Entity</b>        | FacturasPorPagar    |                    |  |
| <b>Attribute</b>     | <b>Order</b>        | <b>Foreign Key</b> |  |
| id_factura_por_pagar | ASC                 | NO                 |  |

#### Key 'PK\_Familias'

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Familias  |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Familias     |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_familia       | ASC          | NO                 |  |

**Key 'PFK\_Inventarios'**

|                  |                 |                    |  |
|------------------|-----------------|--------------------|--|
| <b>Caption</b>   | PFK_Inventarios |                    |  |
| <b>Type</b>      | Primary Key     |                    |  |
| <b>Entity</b>    | Inventarios     |                    |  |
| <b>Attribute</b> | <b>Order</b>    | <b>Foreign Key</b> |  |
| id_producto      | ASC             | YES                |  |
| id_sucursal      | ASC             | YES                |  |

**Key 'PK\_MedioPagoFacturas'**

|                       |                      |                    |  |
|-----------------------|----------------------|--------------------|--|
| <b>Caption</b>        | PK_MedioPagoFacturas |                    |  |
| <b>Type</b>           | Primary Key          |                    |  |
| <b>Entity</b>         | MedioPagoFacturas    |                    |  |
| <b>Attribute</b>      | <b>Order</b>         | <b>Foreign Key</b> |  |
| id_medio_pago_factura | ASC                  | NO                 |  |

**Key 'PK\_MedioPagos'**

|                  |               |                    |  |
|------------------|---------------|--------------------|--|
| <b>Caption</b>   | PK_MedioPagos |                    |  |
| <b>Type</b>      | Primary Key   |                    |  |
| <b>Entity</b>    | MedioPagos    |                    |  |
| <b>Attribute</b> | <b>Order</b>  | <b>Foreign Key</b> |  |
| id_medio_pago    | ASC           | NO                 |  |

**Key 'cedula\_juridica\_neg'**

|                     |                     |                    |  |
|---------------------|---------------------|--------------------|--|
| <b>Caption</b>      | cedula_juridica_neg |                    |  |
| <b>Type</b>         | Alternate Key       |                    |  |
| <b>Entity</b>       | Negocios            |                    |  |
| <b>Attribute</b>    | <b>Order</b>        | <b>Foreign Key</b> |  |
| cedula_juridica_neg | ASC                 | NO                 |  |

**Key 'PK\_Negocios'**

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Negocios  |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Negocios     |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_negocio       | ASC          | NO                 |  |

Key 'PK\_<%OwnerName%>'

|                  |               |                    |  |
|------------------|---------------|--------------------|--|
| <b>Caption</b>   | PK_Id_persona |                    |  |
| <b>Type</b>      | Primary Key   |                    |  |
| <b>Entity</b>    | Personas      |                    |  |
| <b>Attribute</b> | <b>Order</b>  | <b>Foreign Key</b> |  |
| id_persona       | ASC           | NO                 |  |

Key 'codigo'

|                  |               |                    |  |
|------------------|---------------|--------------------|--|
| <b>Caption</b>   | codigo        |                    |  |
| <b>Type</b>      | Alternate Key |                    |  |
| <b>Entity</b>    | Productos     |                    |  |
| <b>Attribute</b> | <b>Order</b>  | <b>Foreign Key</b> |  |
| codigo           | ASC           | NO                 |  |

Key 'PK\_Productos'

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Productos |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Productos    |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_producto      | ASC          | NO                 |  |

Key 'PK\_<%OwnerName%>'

|                  |                     |                    |  |
|------------------|---------------------|--------------------|--|
| <b>Caption</b>   | PK <%OwnerCaption%> |                    |  |
| <b>Type</b>      | Primary Key         |                    |  |
| <b>Entity</b>    | Promociones         |                    |  |
| <b>Attribute</b> | <b>Order</b>        | <b>Foreign Key</b> |  |
| id_promocion     | ASC                 | NO                 |  |

**Key 'cedula\_juridica'**

|                  |                 |                    |  |
|------------------|-----------------|--------------------|--|
| <b>Caption</b>   | cedula_juridica |                    |  |
| <b>Type</b>      | Alternate Key   |                    |  |
| <b>Entity</b>    | Proveedores     |                    |  |
| <b>Attribute</b> | <b>Order</b>    | <b>Foreign Key</b> |  |
| cedula_juridica  | ASC             | NO                 |  |

**Key 'PK\_Proveedores'**

|                  |                |                    |  |
|------------------|----------------|--------------------|--|
| <b>Caption</b>   | PK_Proveedores |                    |  |
| <b>Type</b>      | Primary Key    |                    |  |
| <b>Entity</b>    | Proveedores    |                    |  |
| <b>Attribute</b> | <b>Order</b>   | <b>Foreign Key</b> |  |
| id_proveedor     | ASC            | NO                 |  |

**Key 'PK\_<%OwnerName%>'**

|                  |                     |                    |  |
|------------------|---------------------|--------------------|--|
| <b>Caption</b>   | PK <%OwnerCaption%> |                    |  |
| <b>Type</b>      | Primary Key         |                    |  |
| <b>Entity</b>    | Registros           |                    |  |
| <b>Attribute</b> | <b>Order</b>        | <b>Foreign Key</b> |  |
| id_registro      | ASC                 | NO                 |  |

**Key 'PK\_Servicios'**

|                  |              |                    |  |
|------------------|--------------|--------------------|--|
| <b>Caption</b>   | PK_Servicios |                    |  |
| <b>Type</b>      | Primary Key  |                    |  |
| <b>Entity</b>    | Servicios    |                    |  |
| <b>Attribute</b> | <b>Order</b> | <b>Foreign Key</b> |  |
| id_servicio      | ASC          | NO                 |  |

**Key 'PK\_Sucursales'**



|                  |               |                    |  |
|------------------|---------------|--------------------|--|
| <b>Caption</b>   | PK_Sucursales |                    |  |
| <b>Type</b>      | Primary Key   |                    |  |
| <b>Entity</b>    | Sucursales    |                    |  |
| <b>Attribute</b> | <b>Order</b>  | <b>Foreign Key</b> |  |
| id_sucursal      | ASC           | NO                 |  |

**Key 'PK\_Tipos\_Negocios'**

|                  |                   |                    |  |
|------------------|-------------------|--------------------|--|
| <b>Caption</b>   | PK_Tipos_Negocios |                    |  |
| <b>Type</b>      | Primary Key       |                    |  |
| <b>Entity</b>    | Tipos_Negocios    |                    |  |
| <b>Attribute</b> | <b>Order</b>      | <b>Foreign Key</b> |  |
| id_tipo_negocio  | ASC               | NO                 |  |

**Index Report**

| Full Name      | Unique | Entity   |
|----------------|--------|----------|
| IND_Id_persona | YES    | Personas |

**Index 'IND\_Id\_persona'**

|                  |                |                    |                    |
|------------------|----------------|--------------------|--------------------|
| <b>Caption</b>   | IND_Id_persona |                    |                    |
| <b>Entity</b>    | Personas       |                    |                    |
| <b>Unique</b>    | YES            |                    |                    |
| <b>Attribute</b> | <b>Order</b>   | <b>Primary Key</b> | <b>Foreign Key</b> |
| cedula           | ASC            | NO                 | NO                 |

## Relationship Report

| Full Name        | Type            | Parent Entity  | Child Entity      | Card. |
|------------------|-----------------|----------------|-------------------|-------|
| FK_Bodegas_1     | Non-identifying | Bodegas        | Productos         | 1:N   |
| FK_Facturas_1    | Non-identifying | Facturas       | MedioPagoFacturas | 1:N   |
| FK_Facturas_2    | Non-identifying | Facturas       | FacturasPorPagar  | 1:N   |
| FK_Familias_1    | Non-identifying | Familias       | Promociones       | 1:N   |
| FK_Familias_2    | Non-identifying | Familias       | Descuentos        | 1:N   |
| FK_Familias_3    | Non-identifying | Familias       | Productos         | 1:N   |
| FK_MedioPagos_1  | Non-identifying | MedioPagos     | MedioPagoFacturas | 1:N   |
| FK_Negocios_1    | Non-identifying | Negocios       | Sucursales        | 1:N   |
| FK_Negocios_2    | Non-identifying | Negocios       | Bodegas           | 1:N   |
| FK_Negocios_3    | Non-identifying | Negocios       | Promociones       | 1:N   |
| FK_Negocios_4    | Non-identifying | Negocios       | Facturas          | 1:N   |
| FK_Negocios_5    | Non-identifying | Negocios       | FacturasPorPagar  | 1:N   |
| FK_Negocios_6    | Non-identifying | Negocios       | Clientes          | 1:N   |
| FK_Negocios_7    | Non-identifying | Tipos_Negocios | Negocios          | 1:N   |
| FK_Productos_1   | Non-identifying | Productos      | Promociones       | 1:N   |
| FK_Productos_2   | Non-identifying | Productos      | CodigosBarras     | 1:N   |
| FK_Proveedores_1 | Non-identifying | Proveedores    | Descuentos        | 1:N   |
| FK_Proveedores_3 | Non-identifying | Proveedores    | Productos         | 1:N   |
| FK_Sucursales_1  | Non-identifying | Sucursales     | Servicios         | 1:N   |
| PFK_Facturas_1   | Identifying     | Facturas       | DetalleFactura    | 1:N   |
| PFK_Negocios_1   | Identifying     | Negocios       | CreditoNegocios   | 1:N   |

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| Full Name         | Type        | Parent Entity | Child Entity    | Card. |
|-------------------|-------------|---------------|-----------------|-------|
| PFK_Productos_1   | Identifying | Productos     | Inventarios     | 1:N   |
| PFK_Proveedores_1 | Identifying | Proveedores   | CreditoNegocios | 1:N   |
| PFK_Sucursales_1  | Identifying | Sucursales    | Inventarios     | 1:N   |

**Relationship 'FK\_Bodegas\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Bodegas_1    |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Bodegas         |                    |     |
| <b>Child Entity</b>     | Productos       |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                          |                   |                  |
|--------------------------|-------------------|------------------|
| <b>Key Type</b>          | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Bodegas' | id_bodega         | PK_Bodegas       |

**Relationship 'FK\_Facturas\_1'**

|                         |                   |                    |     |
|-------------------------|-------------------|--------------------|-----|
| <b>Caption</b>          | FK_Facturas_1     |                    |     |
| <b>Type</b>             | Non-identifying   | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO                |                    |     |
| <b>Mandatory Child</b>  | NO                |                    |     |
| <b>Parent Entity</b>    | Facturas          |                    |     |
| <b>Child Entity</b>     | MedioPagoFacturas |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Facturas' | id_factura        | PK_Facturas      |

**Relationship 'FK\_Facturas\_2'**

|                |                 |                    |     |
|----------------|-----------------|--------------------|-----|
| <b>Caption</b> | FK_Facturas_2   |                    |     |
| <b>Type</b>    | Non-identifying | <b>Cardinality</b> | 1:N |

|                         |                  |
|-------------------------|------------------|
| <b>Mandatory Parent</b> | NO               |
| <b>Mandatory Child</b>  | NO               |
| <b>Parent Entity</b>    | Facturas         |
| <b>Child Entity</b>     | FacturasPorPagar |

---

**Referential Integrity**


---

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

---

**Keys**


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|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Facturas' | id_factura        | PK_Facturas      |

**Relationship 'FK\_Familias\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Familias_1   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Familias        |                    |     |
| <b>Child Entity</b>     | Promociones     |                    |     |

---

**Referential Integrity**


---

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

---

**Keys**


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|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Familias' | id_familia        | PK_Familias      |

**Relationship 'FK\_Familias\_2'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Familias_2   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Familias        |                    |     |
| <b>Child Entity</b>     | Descuentos      |                    |     |

---

**Referential Integrity**


---

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                  | Parent Key | Child Key   |
|---------------------------|------------|-------------|
| Primary Key 'PK_Familias' | id_familia | PK_Familias |

**Relationship 'FK\_Familias\_3'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Familias_3   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Familias        |                    |     |
| <b>Child Entity</b>     | Productos       |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                  | Parent Key | Child Key   |
|---------------------------|------------|-------------|
| Primary Key 'PK_Familias' | id_familia | PK_Familias |

**Relationship 'FK\_MedioPagos\_1'**

|                         |                   |                    |     |
|-------------------------|-------------------|--------------------|-----|
| <b>Caption</b>          | FK_MedioPagos_1   |                    |     |
| <b>Type</b>             | Non-identifying   | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO                |                    |     |
| <b>Mandatory Child</b>  | NO                |                    |     |
| <b>Parent Entity</b>    | MedioPagos        |                    |     |
| <b>Child Entity</b>     | MedioPagoFacturas |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                    | Parent Key    | Child Key     |
|-----------------------------|---------------|---------------|
| Primary Key 'PK_MedioPagos' | id_medio_pago | PK_MedioPagos |



**Relationship 'FK\_Negocios\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_1   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Negocios        |                    |     |
| <b>Child Entity</b>     | Sucursales      |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Negocios' | id_negocio        | PK_Negocios      |

**Relationship 'FK\_Negocios\_2'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_2   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Negocios        |                    |     |
| <b>Child Entity</b>     | Bodegas         |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Negocios' | id_negocio        | PK_Negocios      |

**Relationship 'FK\_Negocios\_3'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_3   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |

|                      |             |
|----------------------|-------------|
| <b>Parent Entity</b> | Negocios    |
| <b>Child Entity</b>  | Promociones |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Negocios' | id_negocio        | PK_Negocios      |

**Relationship 'FK\_Negocios\_4'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_4   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Negocios        |                    |     |
| <b>Child Entity</b>     | Facturas        |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                           |                   |                  |
|---------------------------|-------------------|------------------|
| <b>Key Type</b>           | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Negocios' | id_negocio        | PK_Negocios      |

**Relationship 'FK\_Negocios\_5'**

|                         |                  |                    |     |
|-------------------------|------------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_5    |                    |     |
| <b>Type</b>             | Non-identifying  | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO               |                    |     |
| <b>Mandatory Child</b>  | NO               |                    |     |
| <b>Parent Entity</b>    | Negocios         |                    |     |
| <b>Child Entity</b>     | FacturasPorPagar |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                  | Parent Key | Child Key   |
|---------------------------|------------|-------------|
| Primary Key 'PK_Negocios' | id_negocio | PK_Negocios |

**Relationship 'FK\_Negocios\_6'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_6   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES             |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Negocios        |                    |     |
| <b>Child Entity</b>     | Clientes        |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                  | Parent Key | Child Key   |
|---------------------------|------------|-------------|
| Primary Key 'PK_Negocios' | id_negocio | PK_Negocios |

**Relationship 'FK\_Negocios\_7'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Negocios_7   |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES             |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Tipos_Negocios  |                    |     |
| <b>Child Entity</b>     | Negocios        |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                        | Parent Key      | Child Key         |
|---------------------------------|-----------------|-------------------|
| Primary Key 'PK_Tipos_Negocios' | id_tipo_negocio | PK_Tipos_Negocios |

**Relationship 'FK\_Productos\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Productos_1  |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Productos       |                    |     |
| <b>Child Entity</b>     | Promociones     |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                            |                   |                  |
|----------------------------|-------------------|------------------|
| <b>Key Type</b>            | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Productos' | id_producto       | PK_Productos     |

**Relationship 'FK\_Productos\_2'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Productos_2  |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES             |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Productos       |                    |     |
| <b>Child Entity</b>     | CodigosBarras   |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                            |                   |                  |
|----------------------------|-------------------|------------------|
| <b>Key Type</b>            | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Productos' | id_producto       | PK_Productos     |

**Relationship 'FK\_Proveedores\_1'**

|                         |                  |                    |     |
|-------------------------|------------------|--------------------|-----|
| <b>Caption</b>          | FK_Proveedores_1 |                    |     |
| <b>Type</b>             | Non-identifying  | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO               |                    |     |
| <b>Mandatory Child</b>  | NO               |                    |     |

|                      |             |
|----------------------|-------------|
| <b>Parent Entity</b> | Proveedores |
| <b>Child Entity</b>  | Descuentos  |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                              |                   |                  |
|------------------------------|-------------------|------------------|
| <b>Key Type</b>              | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Proveedores' | id_proveedor      | PK_Proveedores   |

**Relationship 'FK\_Proveedores\_3'**

|                         |                  |                    |     |
|-------------------------|------------------|--------------------|-----|
| <b>Caption</b>          | FK_Proveedores_3 |                    |     |
| <b>Type</b>             | Non-identifying  | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES              |                    |     |
| <b>Mandatory Child</b>  | NO               |                    |     |
| <b>Parent Entity</b>    | Proveedores      |                    |     |
| <b>Child Entity</b>     | Productos        |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                              |                   |                  |
|------------------------------|-------------------|------------------|
| <b>Key Type</b>              | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Proveedores' | id_proveedor      | PK_Proveedores   |

**Relationship 'FK\_Sucursales\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | FK_Sucursales_1 |                    |     |
| <b>Type</b>             | Non-identifying | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | NO              |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Sucursales      |                    |     |
| <b>Child Entity</b>     | Servicios       |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                    | Parent Key  | Child Key     |
|-----------------------------|-------------|---------------|
| Primary Key 'PK_Sucursales' | id_sucursal | PK_Sucursales |

**Relationship 'PFK\_Facturas\_1'**

|                         |                |                    |     |
|-------------------------|----------------|--------------------|-----|
| <b>Caption</b>          | PFK_Facturas_1 |                    |     |
| <b>Type</b>             | Identifying    | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES            |                    |     |
| <b>Mandatory Child</b>  | NO             |                    |     |
| <b>Parent Entity</b>    | Facturas       |                    |     |
| <b>Child Entity</b>     | DetalleFactura |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                  | Parent Key | Child Key   |
|---------------------------|------------|-------------|
| Primary Key 'PK_Facturas' | id_factura | PK_Facturas |

**Relationship 'PFK\_Negocios\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | PFK_Negocios_1  |                    |     |
| <b>Type</b>             | Identifying     | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES             |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Negocios        |                    |     |
| <b>Child Entity</b>     | CreditoNegocios |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

| Key Type                  | Parent Key | Child Key   |
|---------------------------|------------|-------------|
| Primary Key 'PK_Negocios' | id_negocio | PK_Negocios |

**Relationship 'PFK\_Productos\_1'**

|                         |                 |                    |     |
|-------------------------|-----------------|--------------------|-----|
| <b>Caption</b>          | PFK_Productos_1 |                    |     |
| <b>Type</b>             | Identifying     | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES             |                    |     |
| <b>Mandatory Child</b>  | NO              |                    |     |
| <b>Parent Entity</b>    | Productos       |                    |     |
| <b>Child Entity</b>     | Inventarios     |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                            |                   |                  |
|----------------------------|-------------------|------------------|
| <b>Key Type</b>            | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Productos' | id_producto       | PK_Productos     |

**Relationship 'PFK\_Proveedores\_1'**

|                         |                   |                    |     |
|-------------------------|-------------------|--------------------|-----|
| <b>Caption</b>          | PFK_Proveedores_1 |                    |     |
| <b>Type</b>             | Identifying       | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES               |                    |     |
| <b>Mandatory Child</b>  | NO                |                    |     |
| <b>Parent Entity</b>    | Proveedores       |                    |     |
| <b>Child Entity</b>     | CreditoNegocios   |                    |     |

**Referential Integrity**

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

|                              |                   |                  |
|------------------------------|-------------------|------------------|
| <b>Key Type</b>              | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Proveedores' | id_proveedor      | PK_Proveedores   |

**Relationship 'PFK\_Sucursales\_1'**

|                         |                  |                    |     |
|-------------------------|------------------|--------------------|-----|
| <b>Caption</b>          | PFK_Sucursales_1 |                    |     |
| <b>Type</b>             | Identifying      | <b>Cardinality</b> | 1:N |
| <b>Mandatory Parent</b> | YES              |                    |     |
| <b>Mandatory Child</b>  | NO               |                    |     |

---

|                      |             |
|----------------------|-------------|
| <b>Parent Entity</b> | Sucursales  |
| <b>Child Entity</b>  | Inventarios |

**Referential Integrity**

---

|               |               |
|---------------|---------------|
|               | <b>Delete</b> |
| <b>Parent</b> | NO ACTION     |

**Keys**

---

|                             |                   |                  |
|-----------------------------|-------------------|------------------|
| <b>Key Type</b>             | <b>Parent Key</b> | <b>Child Key</b> |
| Primary Key 'PK_Sucursales' | id_sucursal       | PK_Sucursales    |



**Check Constraint Report**

| Full Name          | Type      | Object Name               |
|--------------------|-----------|---------------------------|
| CheckConstraintA1  | Attribute | estado_cliente (Clientes) |
| CK_DetalleFactura0 | Entity    | DetalleFactura            |
| CKC_estado_factura | Entity    | Facturas                  |
| CK_Productos0      | Entity    | Productos                 |

**Check Constraint 'CheckConstraintA1'**

|                  |                   |
|------------------|-------------------|
| <b>Caption</b>   | CheckConstraintA1 |
| <b>Entity</b>    | Clientes          |
| <b>Attribute</b> | estado_cliente    |

estado\_cliente in ('A','I')

**Check Constraint 'CK\_DetalleFactura0'**

|                |                    |
|----------------|--------------------|
| <b>Caption</b> | CK_DetalleFactura0 |
| <b>Entity</b>  | DetalleFactura     |

estado in ('P','D','N')

**Check Constraint 'CKC\_estado\_factura'**

|                |                    |
|----------------|--------------------|
| <b>Caption</b> | CKC_estado_factura |
| <b>Entity</b>  | Facturas           |

estado in ('C','P','N')

**Check Constraint 'CK\_Productos0'**

|                |               |
|----------------|---------------|
| <b>Caption</b> | CK_Productos0 |
| <b>Entity</b>  | Productos     |

estado in ('C','V','B')

**Sequence Report**

| Full Name             |
|-----------------------|
| SEQ_Bodegas0          |
| SEQ_Clientes0         |
| SEQ_Descuentos0       |
| SEQ_DetalleFacturas0  |
| SEQ_Facturas0         |
| SEQ_FacturasPorPagar0 |
| SEQ_Familias0         |
| SEQ_MedioPago0        |
| SEQ_MedioPagoFactura0 |
| SEQ_Negocios0         |
| SEQ_Persona0          |
| SEQ_Productos0        |
| SEQ_Promociones0      |
| SEQ_Proveedores0      |
| SEQ_Registros0        |
| SEQ_Servicios0        |
| SEQ_Sucursales0       |
| SEQ_TipoNegocios0     |

**Sequence 'SEQ\_Bodegas0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Clientes0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Descuentos0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_DetalleFacturas0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |

|                  |            |
|------------------|------------|
| <b>Min Value</b> | NOMINVALUE |
| <b>Cycle</b>     | NO         |
| <b>Cache</b>     | NOCACHE    |
| <b>Order</b>     | NO         |
| <b>Keep</b>      | NO         |
| <b>Scale</b>     | NO         |

#### Sequence 'SEQ\_Facturas0'

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

#### Sequence 'SEQ\_FacturasPorPagar0'

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

#### Sequence 'SEQ\_Familias0'

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_MedioPago0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_MedioPagoFactura0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Negocios0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Persona0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |

|              |         |
|--------------|---------|
| <b>Cache</b> | NOCACHE |
| <b>Order</b> | NO      |
| <b>Keep</b>  | NO      |
| <b>Scale</b> | NO      |

**Sequence 'SEQ\_Productos0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Promociones0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Proveedores0'**

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

**Sequence 'SEQ\_Registros0'**

|                     |   |
|---------------------|---|
| <b>Increment By</b> | 1 |
|---------------------|---|

|                   |            |
|-------------------|------------|
| <b>Start With</b> | 1          |
| <b>Max Value</b>  | NOMAXVALUE |
| <b>Min Value</b>  | NOMINVALUE |
| <b>Cycle</b>      | NO         |
| <b>Cache</b>      | NOCACHE    |
| <b>Order</b>      | NO         |
| <b>Keep</b>       | NO         |
| <b>Scale</b>      | NO         |

#### Sequence 'SEQ\_Servicios0'

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

#### Sequence 'SEQ\_Sucursales0'

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |

#### Sequence 'SEQ\_TipoNegocios0'

|                     |            |
|---------------------|------------|
| <b>Increment By</b> | 1          |
| <b>Start With</b>   | 1          |
| <b>Max Value</b>    | NOMAXVALUE |
| <b>Min Value</b>    | NOMINVALUE |
| <b>Cycle</b>        | NO         |
| <b>Cache</b>        | NOCACHE    |
| <b>Order</b>        | NO         |
| <b>Keep</b>         | NO         |
| <b>Scale</b>        | NO         |



## Statistic Information

|                        |     |                            |    |                 |    |
|------------------------|-----|----------------------------|----|-----------------|----|
| Entities               | 21  | Entity Check Constraints   | 3  |                 |    |
| Attributes             | 125 | Attribute Check Constrains | 1  |                 |    |
| Domains                | 0   | Domain Check Constrains    | 0  |                 |    |
| User Data Types        | 0   |                            |    |                 |    |
| Relationships          | 24  | Identifying                | 5  | Non-identifying | 19 |
| Indexes                | 1   |                            |    |                 |    |
| Keys                   | 24  | Primary Keys               | 21 | Alternate Keys  | 3  |
| Entity Triggers        | 0   |                            |    |                 |    |
| Views                  | 0   |                            |    |                 |    |
| View Relationships     | 0   |                            |    |                 |    |
| View Triggers          | 0   |                            |    |                 |    |
| Procedures             | 0   |                            |    |                 |    |
| Functions              | 0   |                            |    |                 |    |
| Defaults               | 0   |                            |    |                 |    |
| Check Constraint Rules | 0   |                            |    |                 |    |
| Synonyms               | 0   |                            |    |                 |    |
| Materialized Views     | 0   |                            |    |                 |    |
| Zone Maps              | 0   |                            |    |                 |    |
| Sequences              | 18  |                            |    |                 |    |
| Packages               | 0   |                            |    |                 |    |
| Tablespaces            | 0   |                            |    |                 |    |
| Directories            | 0   |                            |    |                 |    |
| Java Objects           | 0   |                            |    |                 |    |
| Editions               | 0   |                            |    |                 |    |
| Users                  | 0   |                            |    |                 |    |
| User Groups            | 0   |                            |    |                 |    |
| Notes                  | 0   |                            |    |                 |    |