**NORMALIZACIÓN**

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| --- | --- | --- | --- | --- |
| USUARIO | |  | PRIMARY KEY | Id\_cliente |
| Id\_cliente | Int |  | **REFERENCES** | LOGIN |
| Nombre | String |  | ROL |
| Apellido | String |  | **FOREIGN KEY** | Id\_login |
| Número\_documento | Int |  | Id\_rol |
| Email | String |  |  |  |
| Contraseña | String |  |  |  |
| Teléfono | Int |  |  |  |
| Dirección | String |  |  |  |

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| PRODUCTO | |  | PRIMARY KEY | Id\_producto |
| Id\_producto | Int |  | **REFERENCES** | CATEGORÍA |
| Nombre | String |  | INVENTARIO |
| Precio | Float |  | **FOREIGN KEY** | Id\_inventario |
| Descuento | Float |  | Id\_categoría |
| Fecha\_vencimiento | Date |  |  |  |
| Descripción | String |  |  |  |

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| --- | --- | --- | --- | --- |
| CARRITO | |  | PRIMARY KEY | Id\_carrito |
| Id\_carrito | Int |  | **REFERENCES** | PRODUCTO |
| Número\_items | Int |  | **FOREIGN KEY** | Id\_producto |

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| --- | --- | --- | --- | --- |
| CATEGORÍA | |  | PRIMARY KEY | Id\_categoría |
| Id\_categoría | Int |  | **REFERENCES** | NO |
| Tipo\_producto | String |  | **FOREIGN KEY** | NO |

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| --- | --- | --- | --- | --- |
| COMPRA | |  | PRIMARY KEY | Id\_compra |
| Id\_compra | Int |  | **REFERENCES** | USUARIO |
| Fecha | Date |  | MÉTODO\_PAGO |
|  |  |  | **FOREIGN KEY** | Id\_usuario |
|  |  |  | Id\_método |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MÉTODO\_PAGO | |  | PRIMARY KEY | Id\_método |
| Id\_método | Int |  | **REFERENCES** | NO |
| Tipo\_pago | String |  | **FOREIGN KEY** | NO |

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| ADMINISTRADOR | |  | PRIMARY KEY | Id\_administrador |
| Id\_administrador | Int |  | **REFERENCES** | NO |
| Nombre | String |  | **FOREIGN KEY** | NO |
| Apellido | String |  |  |  |
| Email | String |  |  |  |
| Contraseña | String |  |  |  |

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| --- | --- | --- | --- | --- |
| LOGIN | |  | PRIMARY KEY | Id\_login |
| Id\_login | Int |  | **REFERENCES** | NO |
| Usuario | String |  | **FOREIGN KEY** | NO |
| Contraseña | String |  |  |  |

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| --- | --- | --- | --- | --- |
| ROL | |  | PRIMARY KEY | Id\_rol |
| Id\_rol | Int |  | **REFERENCES** | NO |
| Nombre\_rol | String |  | **FOREIGN KEY** | NO |

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| DETALLE\_COMPRA | |  | PRIMARY KEY | Id\_detalle |
| Id\_detalle | Int |  | **REFERENCES** | PRODUCTO |
| Cantidad | Int |  | COMPRA |
| Precio | Float |  | **FOREIGN KEY** | Id\_producto |
| Descuento | Float |  | Id\_compra |
| IVA | Float |  |  |  |

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| --- | --- | --- | --- | --- |
| INVENTARIO | |  | PRIMARY KEY | Id\_inventario |
| Id\_inventario | Int |  | **REFERENCES** | NO |
| Entradas | Int |  | **FOREIGN KEY** | NO |
| Salidas | Int |  |  |  |
| Saldo | Int |  |  |  |

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| --- | --- | --- | --- | --- |
| STOCK | |  | PRIMARY KEY | Id\_stock |
| Id\_stock | Int |  | **REFERENCES** | PRODUCTO |
| Stock\_mín | Int |  | **FOREIGN KEY** | Id\_producto |
| Stock\_máx | Int |  |  |  |
| Stock\_fís | Int |  |  |  |
| Stock\_disp | Int |  |  |  |
| Pendientes\_recib | Int |  |  |  |
| Pendientes\_servi | Int |  |  |  |

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| --- | --- | --- | --- | --- |
| PROVEEDOR | |  | PRIMARY KEY | Id\_proveedor |
| Id\_proveedor | Int |  | **REFERENCES** | PRODUCTO |
| Nombre | String |  | **FOREIGN KEY** | Id\_producto |
| Teléfono | Int |  |  |  |
| Dirección | String |  |  |  |
| Email | String |  |  |  |
| Estado | Bool |  |  |  |

|  |  |  |
| --- | --- | --- |
| 1FN | 2FN | 3FN |
| X | X | X |