**InventorySystem**

Database model documentation

Created with Vertabelo.com

# 1. Model details

**Model name:** 
InventorySystem

**Version:** 
2.3

**Database engine:** 
SQLite

# 2. Tables

## 2.1. Table Product

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Product\_ID | integer | PK |  |
| CategoryID | integer |  |  |
| Prod\_Name | varchar(50) |  |  |
| Min\_Order | integer | null |  |
| Max\_Order | integer | null |  |
| Quantity\_ID | integer |  |  |
| Brand | varchar(25) | null |  |

## 2.2. Table Category

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Category\_ID | integer | PK |  |
| Categ\_Name | varchar(50) |  |  |
| Product\_ID | integer |  |  |

## 2.3. Table Quantity

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Quantity\_ID | integer | PK |  |
| Measure | varchar(20) |  |  |
| Weight | integer |  |  |

## 2.4. Table Order

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Order\_ID | integer | PK |  |
| Date | date |  |  |
| Product\_ID | integer |  |  |
| Supplier\_ID | integer |  |  |
| User\_ID | integer |  |  |

## 2.5. Table Supplier

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Supplier\_ID | integer | PK |  |
| Suplier\_Name | varchar(50) |  |  |

## 2.6. Table Usage

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Usage\_ID | integer | PK |  |
| Product\_ID | integer |  |  |
| User\_ID | integer |  |  |

## 2.7. Table User

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| User\_ID | integer | PK |  |
| Username | varchar(20) |  |  |
| Password | varchar(20) |  |  |
| Employee\_ID | integer |  |  |

## 2.8. Table Employee

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Employee\_ID | integer | PK |  |
| First\_Name | varchar(100) |  |  |
| Last\_Name | varchar(100) |  |  |
| DOB | date |  |  |
| User\_ID | integer |  |  |
| Position | varchar(25) |  |  |

# 3. References

## 3.1. Reference Usage\_Product

|  |  |  |
| --- | --- | --- |
| **Product** | **0..\*** | **Usage** |
| Product\_ID | <-> | Product\_ID |

## 3.2. Reference Category\_Product

|  |  |  |
| --- | --- | --- |
| **Product** | **0..\*** | **Category** |
| Product\_ID | <-> | Product\_ID |

## 3.3. Reference Usage\_User

|  |  |  |
| --- | --- | --- |
| **User** | **0..\*** | **Usage** |
| User\_ID | <-> | User\_ID |

## 3.4. Reference Employee\_User

|  |  |  |
| --- | --- | --- |
| **User** | **0..\*** | **Employee** |
| User\_ID | <-> | User\_ID |

## 3.5. Reference Order\_Product

|  |  |  |
| --- | --- | --- |
| **Product** | **0..\*** | **Order** |
| Product\_ID | <-> | Product\_ID |

## 3.6. Reference Product\_Quantity

|  |  |  |
| --- | --- | --- |
| **Quantity** | **0..\*** | **Product** |
| Quantity\_ID | <-> | Quantity\_ID |

## 3.7. Reference Order\_Supplier

|  |  |  |
| --- | --- | --- |
| **Supplier** | **0..\*** | **Order** |
| Supplier\_ID | <-> | Supplier\_ID |

## 3.8. Reference Order\_User

|  |  |  |
| --- | --- | --- |
| **User** | **0..\*** | **Order** |
| User\_ID | <-> | User\_ID |