**Project DB**

Database model documentation

Created with Vertabelo.com

# 1. Model details

**Model name:** 
Project DB

**Version:** 
2.3

**Database engine:** 
mysql

# 2. Tables

## 2.1. Table LOAISANPHAM

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaLoaiSP | int |  |  |
| TenLoaiSP | char(200) |  |  |
| MaLoaiCha | int |  |  |

## 2.2. Table SANPHAM

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaSP | int |  |  |
| TenSP | char(200) |  |  |
| GiaSP | double |  |  |
| AnhLon | text |  |  |
| AnhNho | text |  |  |
| ThongTin | text |  |  |
| SoLuong | int |  |  |
| LOAISANPHAM\_MaLoaiSP | int |  |  |
| THUONGHIEU\_MaThuongHieu | int |  |  |
| LuotMua | int |  |  |

## 2.3. Table THUONGHIEU

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaThuongHieu | int |  |  |
| TenThuongHieu | char(200) |  |  |
| HinhThuongHieu | text |  |  |

## 2.4. Table USER

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaUser | int |  |  |
| TenUser | char(100) |  |  |
| TenDangNhap | char(100) |  |  |
| MatKhau | char(50) |  |  |
| DiaChi | char(300) |  |  |
| NgaySinh | char(20) |  |  |
| SoDienThoai | char(20) |  |  |
| GioiTinh | char(20) |  |  |
| LOAIUSER\_MaLoaiUser | int |  |  |

## 2.5. Table LOAIUSER

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaLoaiUser | int |  |  |
| TenLoaiUser | char(200) |  |  |

## 2.6. Table CHITIETKHUYENMAI

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| PhanTramKM | int |  |  |
| KHUYENMAI\_MaKM | int |  |  |
| SANPHAM\_MaSP | int |  |  |

## 2.7. Table KHUYENMAI

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaKM | int |  |  |
| LOAISANPHAM\_MaLoaiSP | int |  |  |
| TenKM | char(200) |  |  |
| NgayBatDau | char(20) |  |  |
| NgayKetThuc | char(20) |  |  |
| HinhKhuyenMai | text |  |  |

## 2.8. Table CHITIETSANPHAM

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| SANPHAM\_MaSP | int |  |  |
| TenChiTiet | char(200) |  |  |
| GiasTri | text |  |  |

## 2.9. Table CHITIETTHUONGHIEU

2.9.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| THUONGHIEU\_MaThuongHieu | int |  |  |
| LOAISANPHAM\_MaLoaiSP | int |  |  |
| HinhThuongHieu | text |  |  |

## 2.10. Table HOADON

2.10.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaHD | int |  |  |
| NgayMua | text |  |  |
| NgayGiao | text |  |  |
| TrangThai | char(20) |  |  |
| TenNguoiNhan | char(100) |  |  |
| SoDienThoai | char(20) |  |  |
| ChuyenKhoan | bool |  |  |
| MaChuyenKoan | text |  |  |

## 2.11. Table CHITIETHOADON

2.11.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| HOADON\_MaHD | int |  |  |
| SANPHAM\_MaSP | int |  |  |
| SoLuongSP | int |  |  |

## 2.12. Table BINHLUAN

2.12.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaBL | int |  |  |
| TieuDe | char(200) |  |  |

## 2.13. Table CHITIETBINHLUAN

2.13.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| BINHLUAN\_MaBL | int |  |  |
| USER\_MaUser | int |  |  |
| SANPHAM\_MaSP | int |  |  |
| NoiDung | int |  |  |
| NgayBL | int |  |  |

## 2.14. Table DANHGIA

2.14.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| MaDG | int |  |  |
| SANPHAM\_MaSP | int |  |  |
| TenThietBi | text |  |  |
| TieuDe | text |  |  |
| NoiDung | text |  |  |
| SoSao | int |  |  |
| NgayDanhGia | char(50) |  |  |

# 3. References

## 3.1. Reference SANPHAM\_LOAISANPHAM

|  |  |  |
| --- | --- | --- |
| **LOAISANPHAM** | **0..\*** | **SANPHAM** |
| MaLoaiSP | <-> | LOAISANPHAM\_MaLoaiSP |

## 3.2. Reference SANPHAM\_THUONGHIEU

|  |  |  |
| --- | --- | --- |
| **THUONGHIEU** | **0..\*** | **SANPHAM** |
| MaThuongHieu | <-> | THUONGHIEU\_MaThuongHieu |

## 3.3. Reference USER\_LOAIUSER

|  |  |  |
| --- | --- | --- |
| **LOAIUSER** | **0..\*** | **USER** |
| MaLoaiUser | <-> | LOAIUSER\_MaLoaiUser |

## 3.4. Reference KHUYENMAI\_LOAISANPHAM

|  |  |  |
| --- | --- | --- |
| **LOAISANPHAM** | **0..\*** | **KHUYENMAI** |
| MaLoaiSP | <-> | LOAISANPHAM\_MaLoaiSP |

## 3.5. Reference CHITIETKHUYENMAI\_KHUYENMAI

|  |  |  |
| --- | --- | --- |
| **KHUYENMAI** | **0..\*** | **CHITIETKHUYENMAI** |
| MaKM | <-> | KHUYENMAI\_MaKM |

## 3.6. Reference CHITIETKHUYENMAI\_SANPHAM

|  |  |  |
| --- | --- | --- |
| **SANPHAM** | **0..\*** | **CHITIETKHUYENMAI** |
| MaSP | <-> | SANPHAM\_MaSP |

## 3.7. Reference CHITIETSANPHAM\_SANPHAM

|  |  |  |
| --- | --- | --- |
| **SANPHAM** | **0..\*** | **CHITIETSANPHAM** |
| MaSP | <-> | SANPHAM\_MaSP |

## 3.8. Reference CHITIETTHUONGHIEU\_THUONGHIEU

|  |  |  |
| --- | --- | --- |
| **THUONGHIEU** | **0..\*** | **CHITIETTHUONGHIEU** |
| MaThuongHieu | <-> | THUONGHIEU\_MaThuongHieu |

## 3.9. Reference CHITIETTHUONGHIEU\_LOAISANPHAM

|  |  |  |
| --- | --- | --- |
| **LOAISANPHAM** | **0..\*** | **CHITIETTHUONGHIEU** |
| MaLoaiSP | <-> | LOAISANPHAM\_MaLoaiSP |

## 3.10. Reference CHITIETHOADON\_HOADON

|  |  |  |
| --- | --- | --- |
| **HOADON** | **0..\*** | **CHITIETHOADON** |
| MaHD | <-> | HOADON\_MaHD |

## 3.11. Reference CHITIETHOADON\_SANPHAM

|  |  |  |
| --- | --- | --- |
| **SANPHAM** | **0..\*** | **CHITIETHOADON** |
| MaSP | <-> | SANPHAM\_MaSP |

## 3.12. Reference CHITIETBINHLUAN\_BINHLUAN

|  |  |  |
| --- | --- | --- |
| **BINHLUAN** | **0..\*** | **CHITIETBINHLUAN** |
| MaBL | <-> | BINHLUAN\_MaBL |

## 3.13. Reference CHITIETBINHLUAN\_USER

|  |  |  |
| --- | --- | --- |
| **USER** | **0..\*** | **CHITIETBINHLUAN** |
| MaUser | <-> | USER\_MaUser |

## 3.14. Reference CHITIETBINHLUAN\_SANPHAM

|  |  |  |
| --- | --- | --- |
| **SANPHAM** | **0..\*** | **CHITIETBINHLUAN** |
| MaSP | <-> | SANPHAM\_MaSP |

## 3.15. Reference DANHGIA\_SANPHAM

|  |  |  |
| --- | --- | --- |
| **SANPHAM** | **0..\*** | **DANHGIA** |
| MaSP | <-> | SANPHAM\_MaSP |