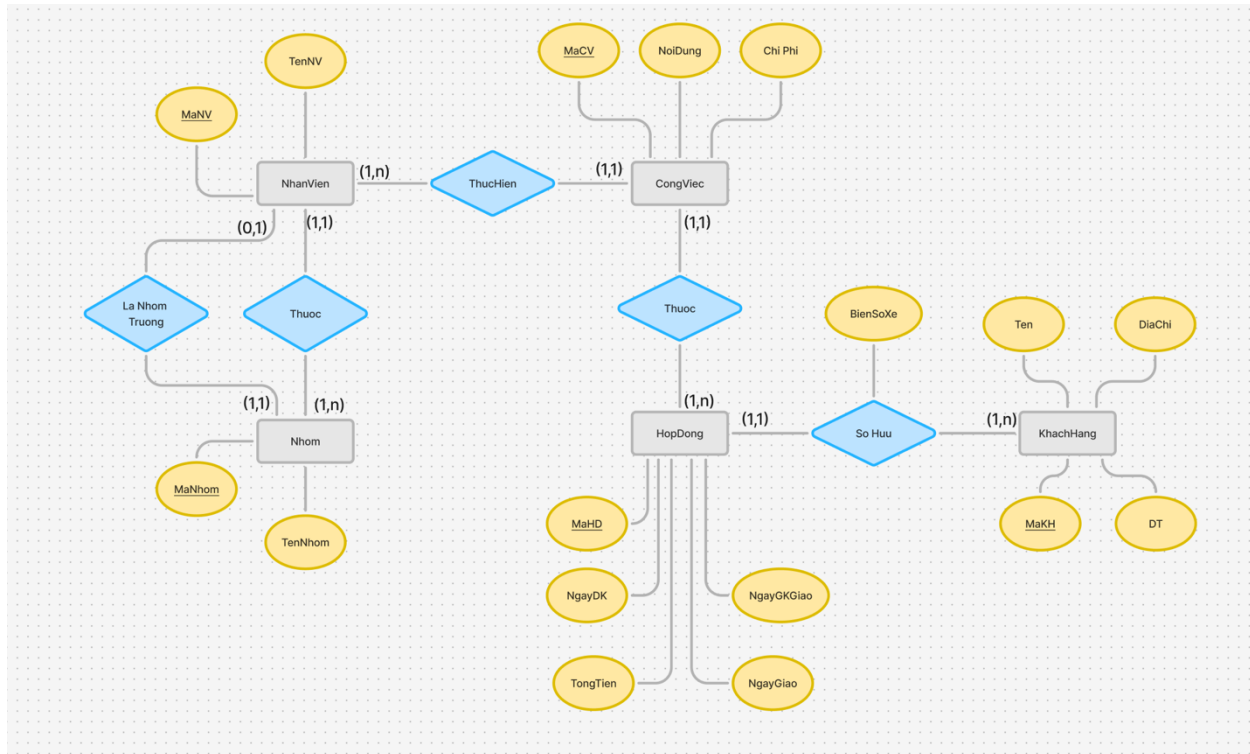


Bài tập cuối slide chương 2

Bài 3 ERD



RD

NHANVIEN(MANV, HOTEN, PHAI, NGAYSINH, LUONG, **MANHOM**, **MANQL**)

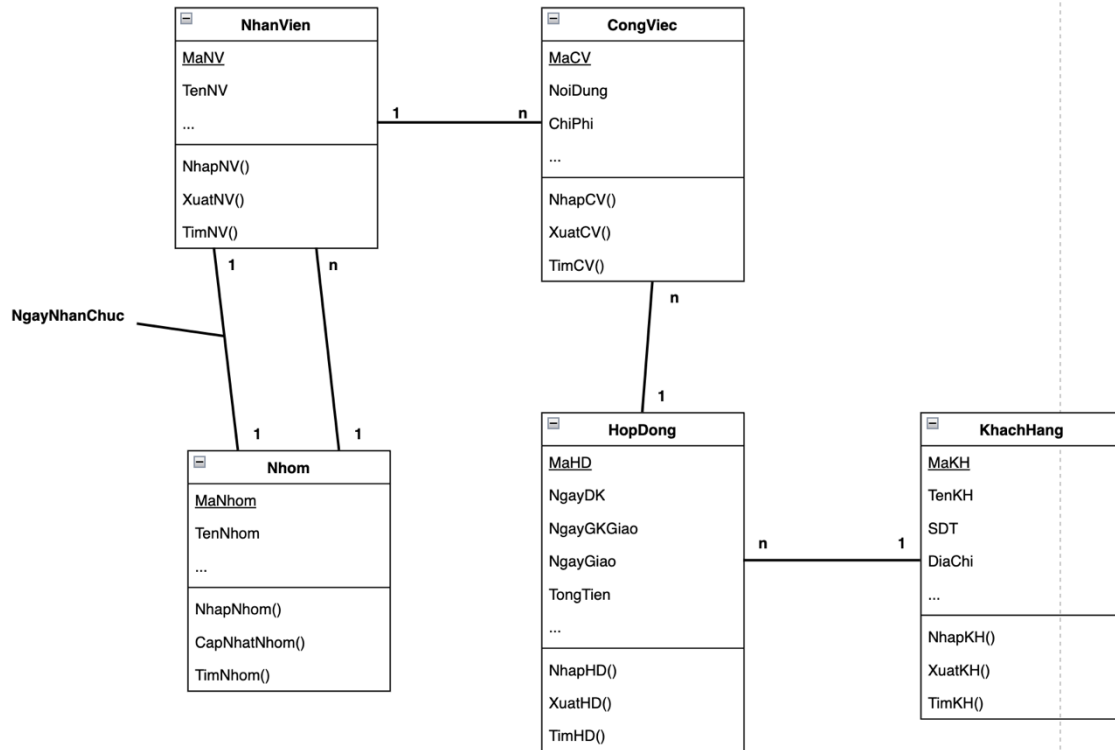
NHOM(MANHOM, TENNHOM, **MATRUONGPHONG**, **NGAYNHANCHUC**)

CONGVIEC(MACV, NOIDUNG, CHIPHI, **MANV**)

HOPDONG(MAHD, NGAYDK, TONGTIEN, NGAYGKGIAO, NGAYGIAO, **MAKH**, **BIENSOXE**)

KHACHHANG(MAKH, HOTEN, DIACHI, DT)

CD



OOP

```
Class NhanVien {
MaNV char(5),
TenNV char(50),
...
NhapNV(),
XuatNV(),
TimNV()
}
```

```
Class Nhom {
MaNhom char(5),
TenNhom(50),
...
NhapNhom(),
CapNhatNhom(),
TimNhom()
}
```

```
Class CongViec {
MaCV char(5),
NoiDung char(255),
ChiPhi double,
...
}
```

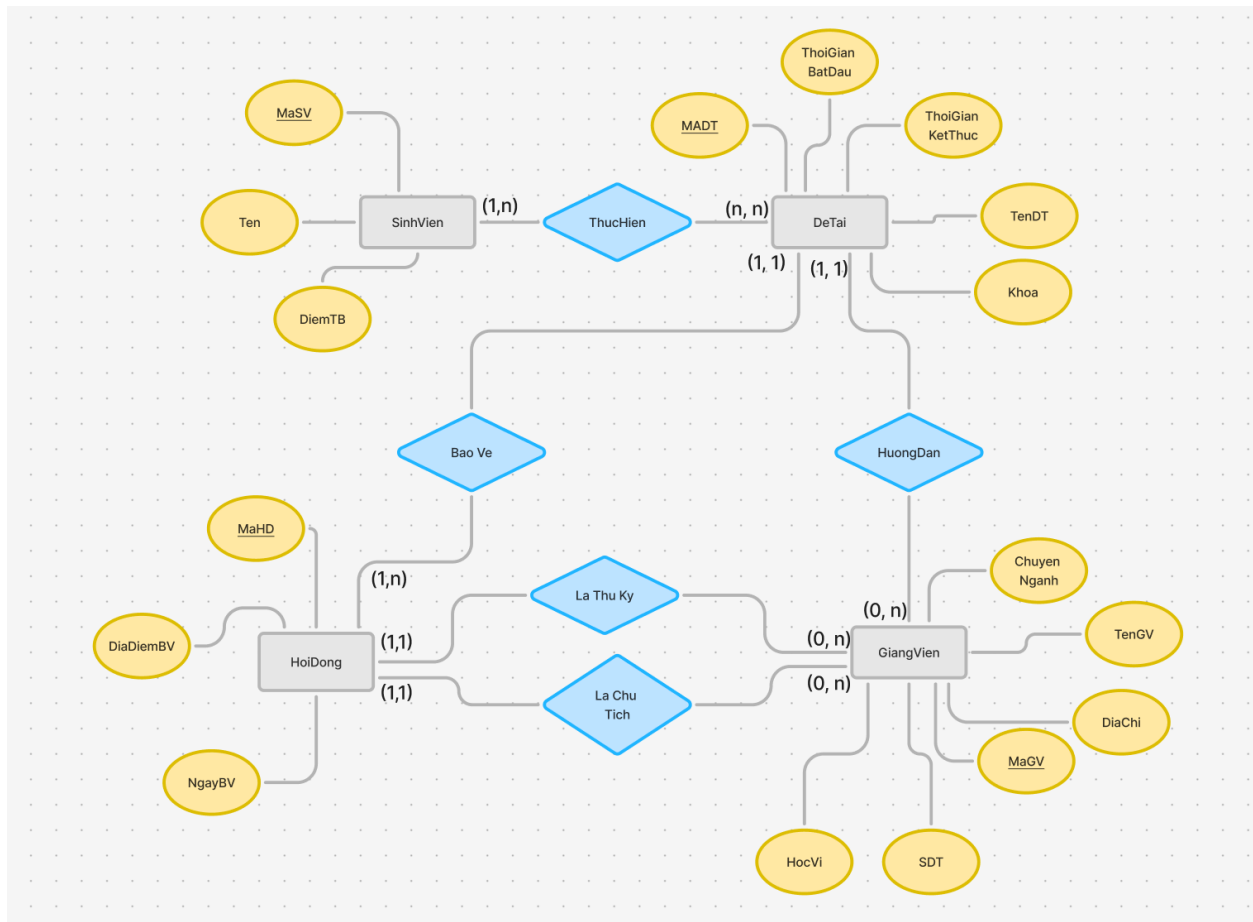
```
NhapCV(),  
XuatCV(),  
TimCV()  
}
```

```
Class HopDong {  
MaHD char(5),  
NgayDK date,  
NgayGKGiao date,  
NgayGiao date,  
TongTien double,  
...  
NhapHD(),  
XuatHD(),  
TimHD()  
}
```

```
Class KhachHang {  
MaKH char(5),  
TenKH char(50),  
SDT char(20),  
DiaChi char(255),  
...  
NhapKH(),  
XuatKH(),  
TimKH()  
}
```

Bài 4

ERD



RD

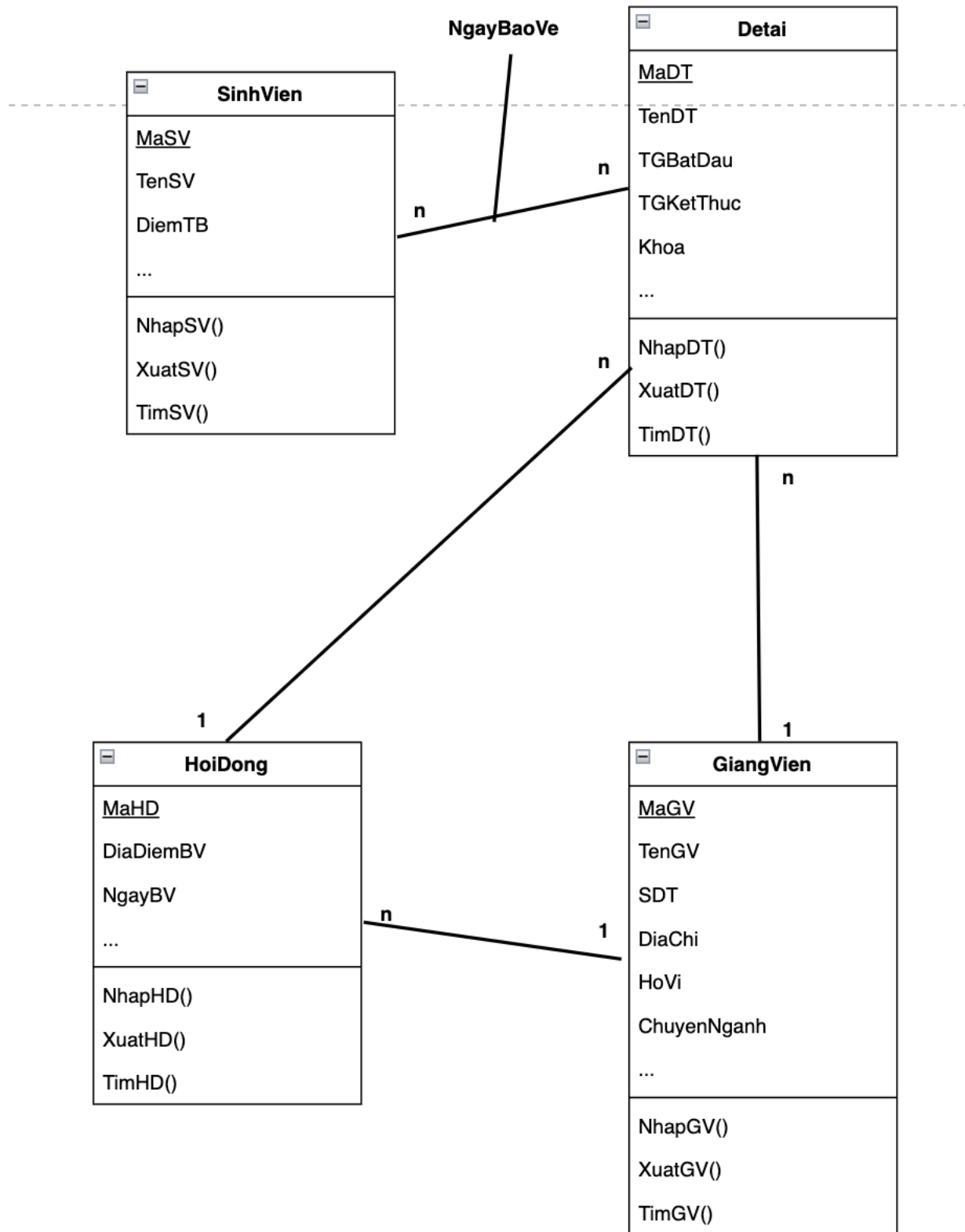
SINHVIEN(MASV, TENSX, DIEMTB)

DETAI(MADT, TGBATDAU, TGKETTHUC, TENDT, KHOA, **MANV**, **MAHD**, **MAGV**)

GIANGVIEN(MAGV, TENGX, CHUYENNGANH, DIACHI, SDT, HOCVI)

HOIDONG(MAHD, DIADIEMBV, NGAYBV, **THUKY**, **CHUTICH**)

CD



OOP

```
Class SinhVien {  
    MaSV char(5),  
    TenSV char(50),  
    DiemTB double,  
    ...  
    NhapSV(),  
    XuatSV(),  
    TimSV()  
}
```

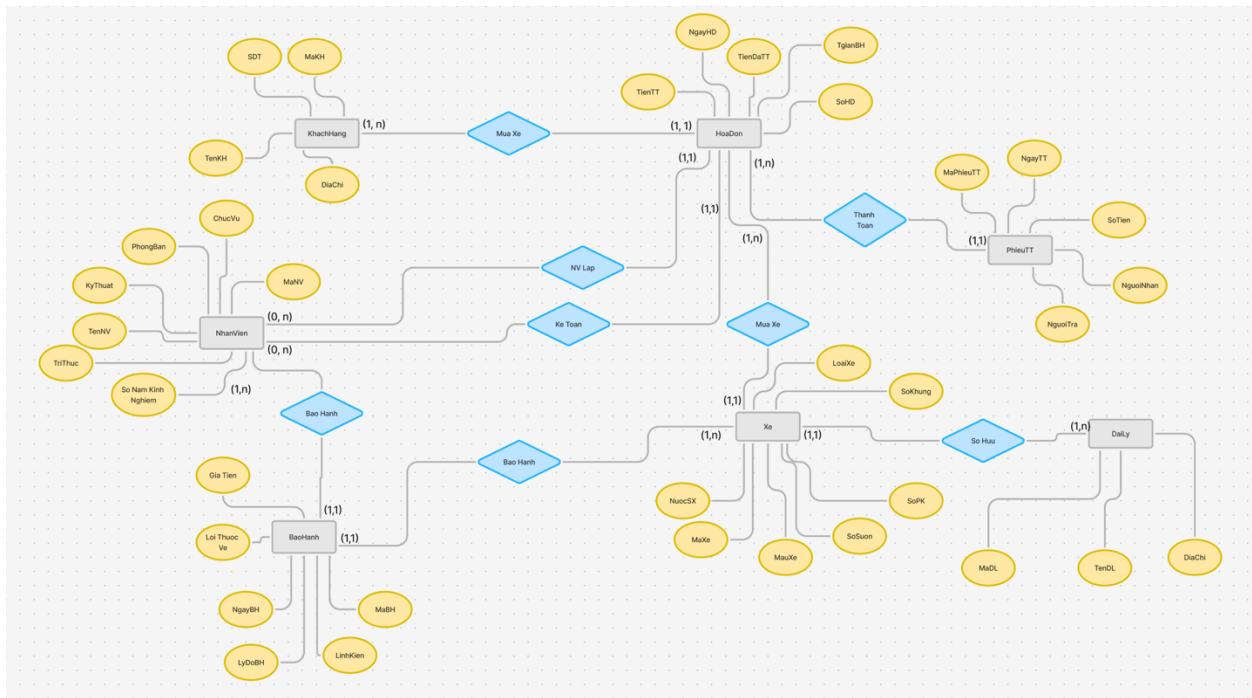
```
Class DeTai {  
    MaDT char(5),  
    TenDT char(50)  
    TGBatDau date,  
    TGKetThuc date,  
    Khoa char(50),  
    ...  
    NhapDT(),  
    CapNhatDT(),  
    TimDT()  
}
```

```
Class GiangVien {  
    MaGV char(5),  
    TenGV char(50),  
    DiaChi char(255),  
    ChuyenNganh char(50),  
    SDT char(20),  
    HocVi char(50),  
    ...  
    NhapGV(),  
    XuatGV(),  
    TimGV()  
}
```

```
Class HoiDong {  
    MaHD char(5),  
    DiaDiem char(50),  
    NgayBV date,  
    ...  
    NhapHD(),  
    CapNhatHD(),  
    TimHD()  
}
```

Bài 5

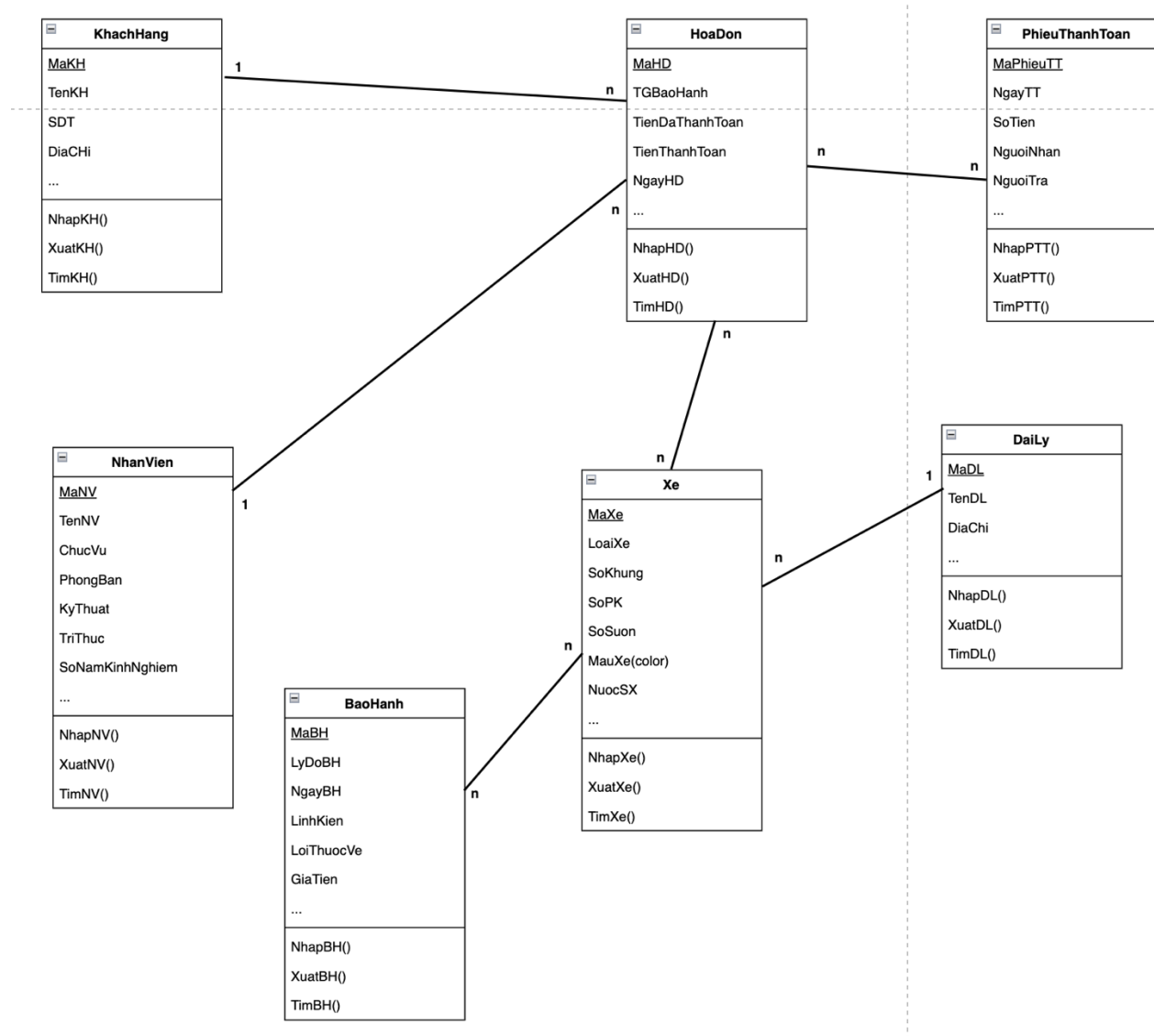
ERD



RD

KHACHHANG(MAKH, TENKH, SDT, DIACHI)
 HOADON(SOHD, TGBAOHANH, NGAYHD, TIENDATHANHTOAN, TGIANBAOHANH, MAKH, **NVLAP**, **KETOAN**)
 PHIEUTHANHTOAN(MAPHIEUTT, NGATT, SOTIEN, **NGUOINHAN**, **NGUOITRA**)
 NHANVIEN(MANV, TENNV, CHUCVU, PHONGBAN, KYTHUAT, TRITHUC, SONAMKN)
 XE(MAXE, LOAIXE, SOKHUNG, SOSUON, SOPK, MAUXE, NUOCSX, **MADL**)
 DAILY(MADL, TENDL, DIACHI)
 BAOHANH(MABH, NGAYBH, LYDOBH, LINHKIEN, LOITHUOCVE, GIATIENT, **MAXE**, **MANV**)

CD



OOP

```

Class KhachHang {
    MaKH char(5),
    TenKH char(50),
    SDT char(20),
    DiaChi char(255),
    ...
    NhapKH(),
    XuatKH(),
    TimKH()
}
  
```

```

Class HoaDon {
    MaHD char(5),
  
```

TGBaoHanh date,
TienDaThanhToan date,
TienThanhToan date,
NgayHD date,

...
NhapHD(),
XuatHD(),
TimHD()
}

Class PhieuThanhToan {
MaPhieuTT char(5),
NgayTT date,
SoTien double,
NguoiNhan char(50),
NguoiTra char(50),

...
NhapPTT(),
XuatPTT(),
TimPTT()
}

Class NhanVien {
MaNV char(5),
TenNV char(50),
ChucVu char(50),
PhongBan char(50),
KyThuat char(50),
TriThuc char(50),
SoNamKinhNghiem double,

...
NhapNV(),
XuatNV(),
TimNV()
}

Class BaoHanh {
MaBH char(5),
LyDoBH char(255),
NgayBH date,
LinhKien char(50),
LoiThuocVe char(50),
GiaTien double,

...
NgayBH(),
XuatBH(),

```
TimBH()  
}
```

```
Class Xe {  
MaXe char(5),  
LoaiXe char(50),  
SoKhung char(50),  
SoPK char(50),  
SoSuon char(50),  
MauXe char(50),  
NuocSX char(50),  
...  
NhapXe(),  
XuatXe(),  
TimXe()  
}
```

```
Class DaiLy {  
MaDL char(5),  
TenDL char(50),  
DiaChi char(50),  
...  
NhapDL(),  
XuatDL(),  
TimDL()  
}
```