Basic Database

Midterm Project

Group. 3

University of Science And Technology of Hanoi

ICT Department

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Outline

1. Employee Data Query On SQL Server
   - Introduction
   - Features
2. Database
   - Introduction
   - Table
   - RDM

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Introduction

Application

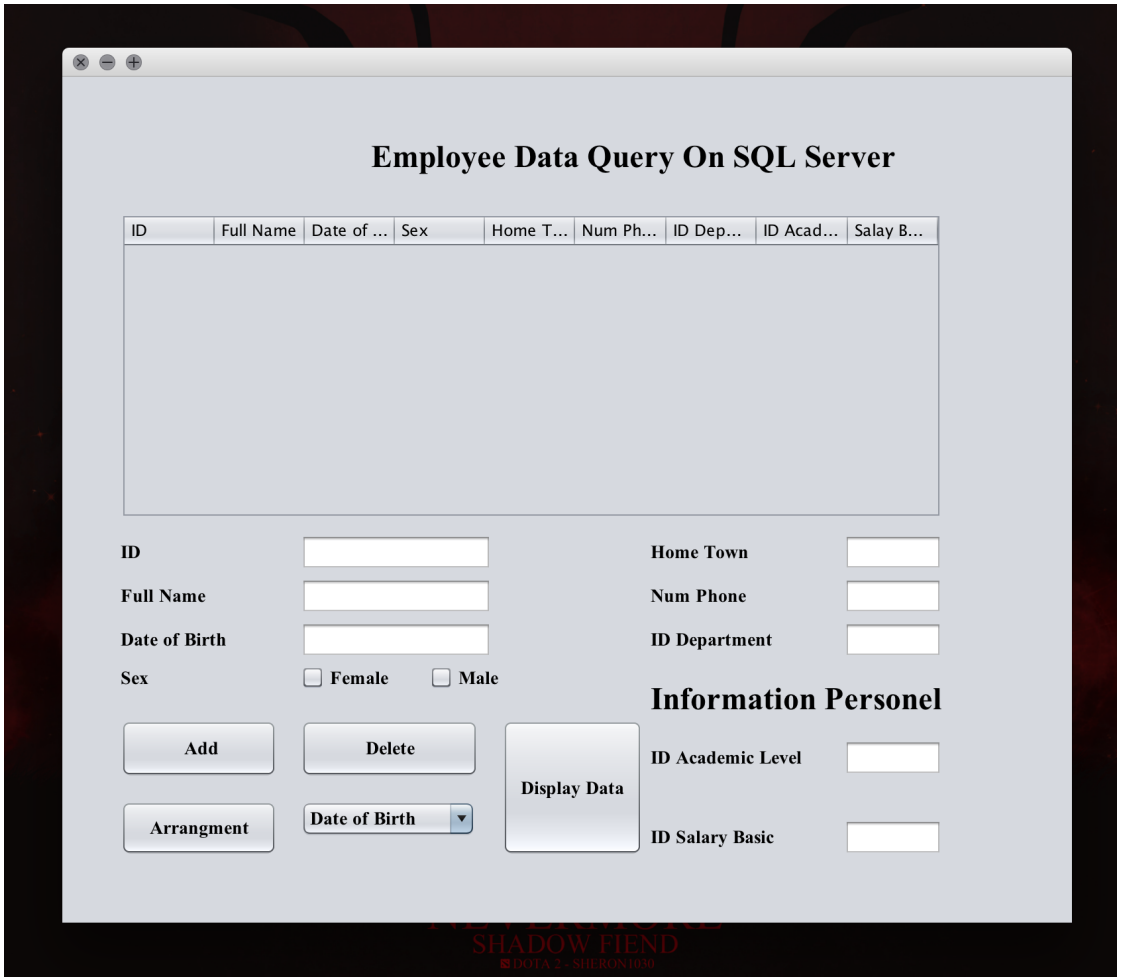

Figure: Employee Data Query On SQL Server

Introduction

- A Java application to manage employee.
- Swing GUI.
- SQL Sever.

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Features

- Java application: Write once, run anywhere

Features

- Java application: Write once, run anywhere
- Can display all employees.

Features

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- Can display all employees.
- Can add or delete.

Features

- Java application: Write once, run anywhere
- Can display all employees.
- Can add or delete.
- Sort.

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Introduction

- An employee can hold multiple positions and there is may be multiple staffs work in the same positions or none.
- An employee belongs to only one department and one department may have many employees or only one employee works there.
- Many employees with the same academic level and there is may have more than one employee may have same academic level.
- Many employees can be pay the same salary and there is may have more than one employee may have play with the same salary

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Table: NhanVien Table.

Field	Type	Null	Key
HoTen	nvarchar(30)	Not null	
QueQuan	nvarchar(30)	Not null	
GioiTinh	bin	Not null	
SDT	char(12)		
MaNV	char(10)	Not null	Primary Key
MaLuong	char(10)	Not null	
MaTDHV	char(10)	Not null	
MaPB	char(10)	Not null	foreign key(MaPB) references PhongBan

Table: ChucVu Table

Field	Type	Null	Key
MaCV	char(10)	Not null	Primary Key
TenCV	nvarchar(20)	Not null	foreign key(MaTDHV) references TrinhDoHocVan

Table: TrinhDoHocVan Table

Field	Type	Null	Key
MaTDHV	Char(10)	Primary Key	
TenTD	Nvarchar(20)		
ChuyenNganh	Nvarchar(20)		

Table: Luong Table

Field	Type	Key	Null
MaLuong	Char(10)	Not null	Primary Key
PhuCap	Float		
HSLuong	Float	Not null	HSLuong0
LuongCoBan	Float	Not null	

Table: PhongBan Table

Field	Type	Key	Null
MaPB	Char(10)	Primary Key	
TenPB	Nvarchar(20)		
DiaChi	Nvarchar(30)		
STD	Char(12)		

Table: NhanVien_ChucVu Table

Field	Type	Null	Key
MaNV	char(10)	Not null	foreign key(MaNV) references NhanVien
ThoiGianCongTac	float		ThoiGianCongTac ¿ 0
MaCV	char(10)	Not null	foreign key(MaCV) references ChucVu

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RMD

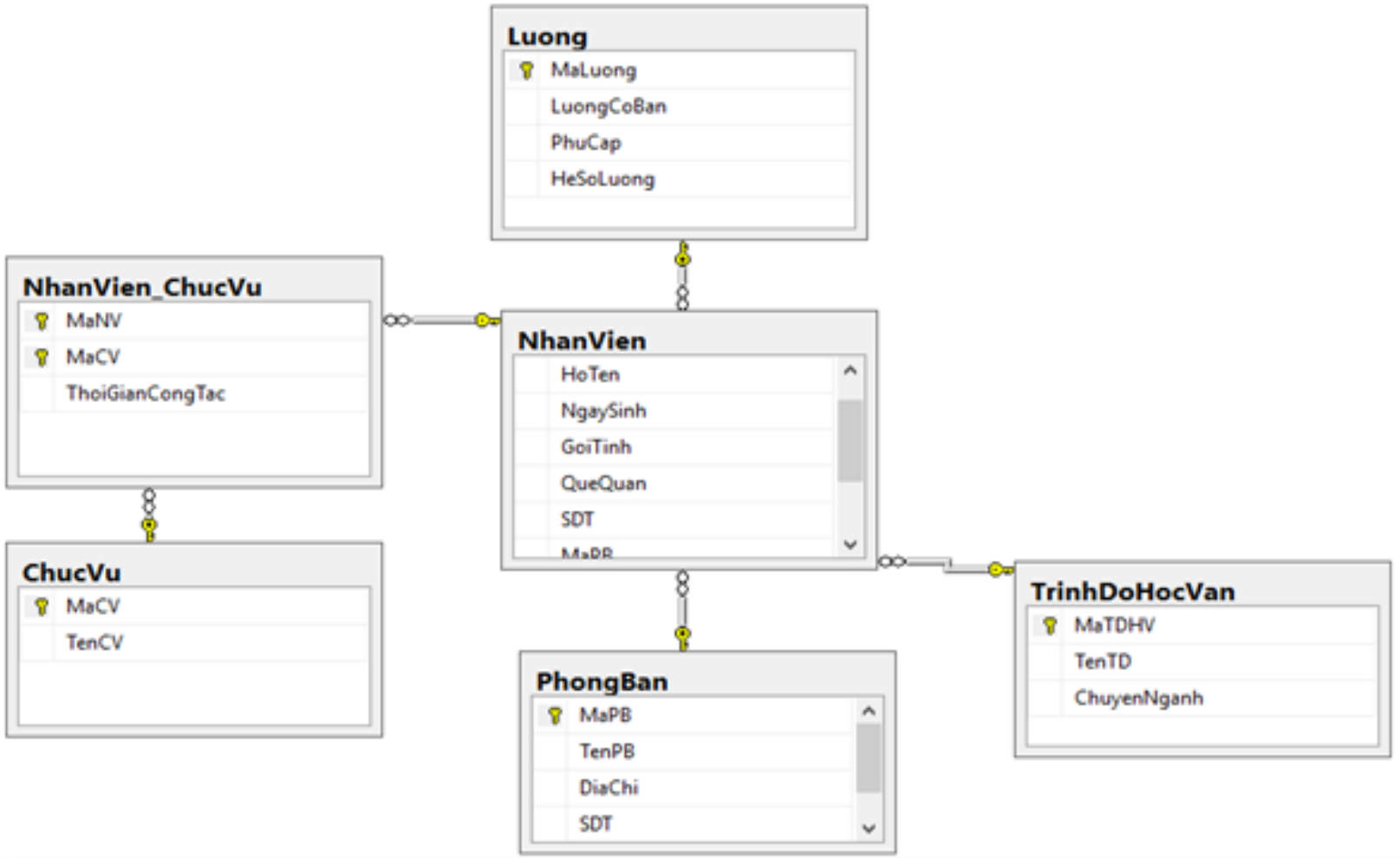

Figure: RMD Figure