## 一、部门构成及职责

### 1.人事系统：负责企业的人事工作

### 2.财务系统：负责企业的票据账单会计工作

### 3.电讯系统：企业主营业务系统

资讯推送:资讯的收集,提供给客户

运营维护:通信线路的正常运行维护工作

客户服务:接听客户热线,负责售后工作

### 4.营销系统:企业附属营销业务,包括网上商城业务,通信套餐业务

## 二、E-R设计图与逻辑设计

### 1.人事系统

#### E-R图



#### 逻辑设计

Create database human\_affairs;

Create table employee (

Eid int, name varchar(30),Did int, job varchar(30),

Primary key (Eid)

);

Create table Department(

Did int, d\_name varchar(30), intro text, tel varchar(20),

Primary key (Did)

);

Create table manager (

Eid int, Did int,

Primary key(Eid)

);

Create table attendance (

ID int, attend\_time datetime, Eid int ,

Primary key (ID)

);

Create table hr\_decision (

ID int, Eid int, toEid int, event\_type varchar, e\_time datetime,

Primary key (ID)

);

### 2.财务系统

#### E-R图



#### 逻辑设计

Create database financial;

Create table employee (

Eid int, name varchar(30),Did int, job varchar(30),

Primary key (Eid)

);

Create table invoice (

Invo\_id int, Invo\_content,

Primary key(Invo\_id)

);

Create table invo\_record (

ID int, invo\_time datetime, Eid int , money float(10,2),

Primary key (ID)

);

Create table sale\_record (

ID int, Cid int, money float(10,2), sale\_time datetime,

Primary key (ID)

);

Create table financial\_record (

ID int, Eid int, content text, r\_time datetime,

Primary key (ID)

);

### 3.电讯系统

#### E-R图



#### 逻辑设计

Create database telecom;

Create table costumer (

Cid int, name varchar(30),tel varchar(11), name varchar(30),

Primary key (Cid)

);

Create table call\_record (

Call\_id int, call\_time time, Cid int, toCid int,

Primary key(Call\_id)

);

Create table Employee (

Eid int, Did de, Eid int , job varchar(30),

Primary key (Eid)

);

Create table service\_record (

ID int, Eid int, service\_time datetime,

Primary key (ID)

);

Create table repair\_record (

ID int, Eid int, content text, repair\_time datetime,

Primary key (ID)

);

Create table information (

Info\_id int, publisher int, pub\_time datetime, title varchar(100), content text,

Primary key(Info\_id)

);

### 4.营销系统

#### E-R图



#### 逻辑设计

Create database marketing;

Create table costumer (

Cid int, name varchar(30),tel varchar(11), name varchar(30),

Primary key (Cid)

);

Create table sale\_record (

ID int, Cid int, money float(10,2), sale\_time datetime,

Primary key (ID)

);

Create table product(

Pid int, p\_name varchar(50), price float(10,2) , repo\_num int, intro text,

Primary key (Pid)

);

Create table favo\_record (

ID int, Cid int,add\_time datetime,Pid int

Primary key (ID)

);

Create table order\_record (

ID int, Cid int, Pid int, order\_time datetime,

Primary key (ID)

);