**数据库设计**

**模块信息表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **module\_id** | **模块id** |  |  |
| **module\_name** | **模块名称** |  |  |
| **parent\_id** | **父模块id** |  |  |
| **module\_url** | **模块url** |  |  |

**模块角色表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **role\_id** | **角色id** |  |  |
| **moudle\_id** | **模块id** |  |  |
| **role\_name** | **角色名字** |  |  |

**系统雇员表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **record\_id** | **记录id** |  |  |
| **emp\_id** | **雇员id** |  |  |
| **role\_id** | **角色id** |  |  |
| **emp\_name** | **雇员名字** |  |  |
| **emp\_password** | **雇员密码** |  |  |

**个人信息表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **emp\_id** | **雇员id** |  |  |
| **emp\_mobile** | **雇员手机号** |  |  |
| **emp\_name** | **雇员名字** |  |  |
| **emp\_dep** | **雇员岗位** |  |  |
| **emp\_addrass** | **雇员地址** |  |  |
| **emp\_email** | **雇员email** |  |  |
| **part\_company** | **雇员所在分公司** |  |  |

**设备信息表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **beijian\_id** | **备件id** |  |  |
| **beijain\_name** | **备件名字** |  |  |
| **beijian\_version** | **备件型号** |  |  |
| **beijian\_price** | **备件单价** |  |  |
| **beijian\_number** | **备件数量** |  |  |
| **beijian\_state** | **备件状态** |  |  |

**设备申请表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **apply\_id** | **申请id** |  |  |
| **beijian\_name** | **备件名字** |  |  |
| **beijiain\_number** | **备件数量** |  |  |
| **beijina\_price** | **备件单价** |  |  |
| **apply\_time** | **申请时间** |  |  |
| **apply\_pass\_time** | **申请通过时间** |  |  |
| **apply\_man\_id** | **申请人id** |  |  |
| **apply\_pass\_man\_id** | **申请审批人id** |  |  |
| **beijian\_id** | **备件id** |  |  |
| **beijian\_version** | **备件型号** |  |  |

**报修 记录表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **report\_repair\_id** | **报修记录id** |  |  |
| **custom\_id** | **客户id** |  |  |
| **emp\_kefu\_id** | **雇员客服id** |  |  |
| **custom\_sent\_time** | **送修时间** |  |  |
| **custom\_properties** | **客户性质** |  |  |
| **report\_repair\_time** | **报修时间** |  |  |
| **forecast\_\_price** | **预算价钱** |  |  |
| **forecast\_complete\_time** | **预测维修完成时间** |  |  |
| **report\_state** | **报修状态** |  |  |
| **product\_type** | **产品类型** |  |  |
| **machine\_brand** | **机器品牌** |  |  |
| **machine\_version** | **机器型号** |  |  |
| **machine\_bug\_phenomenon** | **故障现象** |  |  |
| **machine\_start\_password** | **机器开机密码** |  |  |
| **machine\_battery** | **机器电池容量** |  |  |
| **other** | **其他** |  |  |

**维修记录表**

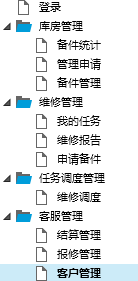
|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **repair\_id** | **维修记录id** |  |  |
| **emp\_repairman\_id** | **维修员id** |  |  |
| **report\_repair\_id** | **报修id** |  |  |
| **repair\_schdul\_time** | **维修调度时间** |  |  |
| **machine\_check\_record** | **机器检查情况** |  |  |
| **machie\_check\_time** | **机器检查时间** |  |  |
| **repair\_record** | **维修情况说明** |  |  |
| **repair\_work\_time** | **维修用时** |  |  |
| **repair\_labour\_price** | **人力成本** |  |  |
| **material\_price** | **材料价钱** |  |  |
| **repair\_promise** | **维修承诺** |  |  |
| **attention\_matter** | **注意事项** |  |  |
| **repair\_state** | **维修状态** |  |  |
| **repair\_delay\_degree** | **维修延迟情况** |  |  |
| **emp\_scheduling\_man\_id** | **维修调度员 id** |  |  |

**客户信息表**

|  |  |  |  |
| --- | --- | --- | --- |
| **字段** | **字段描述** |  |  |
| **custom\_id** | **顾客id** |  |  |
| **custom\_name** | **顾客姓名** |  |  |
| **custom\_id\_card** | **顾客身份证号** |  |  |
| **custom\_company** | **顾客所在单位** |  |  |
| **custom\_tel** | **顾客座机号** |  |  |
| **custom\_mabile** | **顾客手机号** |  |  |
| **custom\_addrass** | **顾客地址** |  |  |
| **custom\_email** | **顾客Email** |  |  |
| **custom\_post** | **顾客邮编** |  |  |

**操作分析：**

1. **客户表：(1) 增加 (2)删除 (3)修改 (4)查**
2. **设备表 (1) 增加 (2)删除 (3)修改 (4)查**
3. **设备申请表(1) 增加 (2)删除 (3)修改 (4)查**
4. **雇员信息表(4)查**
5. **维修表(1) 增加 (3)修改 (4)查**
6. **报修表(1) 增加 (3)修改 (4)查**
7. **模块表 (4)查**
8. **角色表 (4)查**
9. **系统用户表 (4)查**



**1.登录，模块表 角色表 系统用户表 连接查询获得所对应的模块**

**2.库房管理，备件的增删改查，备件申请 的查改**

**3.维修管理，维修表的查，改，设备申请表的增删改查**

**4．调度管理，**