版 本 历 史

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| --- | --- | --- | --- | --- |
| 版本/状态 | 作者 | 参与者 | 起止日期 | 备注 |
| V1.0 | 李志刚 |  | 2014年3月26日 | 新建 |
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|  |  |  |  |  |

# DMS数据库设计

## 一、数据库PDM

DMS\_EMPLOYEE

DMS\_DEPARTMENT

DMS\_ROLE

DMS\_PROJECT

DMS\_DAILY

DMS-LOG

DMS\_PROJECT\_EMP

DMS\_PARAMETER

\*

\*

1

Department Manager

1

1

1

1

1

## 二、数据库表结构

### 1．员工表 DMS\_EMPLOYEE

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTEGER | 表主键 |
| NAME | VARCHAR(255) | 姓名 |
| GENDER | VARCHAR(4) | 性别 |
| ADDRESS | VARCHAR(255) | 住址 |
| PHONE | VARCHAR(20) | 电话 |
| EMAIL | VARCHAR(255) | 电子邮箱 |
| DEPARTMENT | INTEGER | 外键-部门，所属部门 |
| ROLE | INTEGER | 外键-角色，所属角色 |
|  |  |  |
| DMS\_EMPLOYEE\_SEQ |  | 序列 |

### 2．角色表 DMS\_ROLE

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTEGER | 表主键 |
| NAME | VARCHAR(255) | 角色名称 |
| DESCR | VARCHAR(255) | 角色描述 |
|  |  |  |
| DMS\_ROLE\_SEQ |  | 序列 |

### 3．部门表 DMS\_DEPARTMENT

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTGER | 表主键 |
| NAME | VARCHAR(255) | 部门名称 |
| DESCR | VARCHAR9255) | 部门描述 |
| MANAGER | INTEGER | 外键-员工，部门主管 |
|  |  |  |
| DMS\_DEPARTMENT\_SEQ |  | 序列 |

### 4．项目表 DMS\_PROJECT

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTEGER | 表主键 |
| NAME | VARCHAR(255) | 项目名称 |
| STARTDATE | DATE | 项目开始时间 |
| ENDDATE | DATE | 项目结束时间 |
| STATUS | VARCHAR(6) | 项目状态 |
| DESCR | VARCHAR(255) | 项目描述 |
| MANAGER | INTEGER | 外键-员工，项目管理人 |
|  |  |  |
| DMS\_PROJECT\_SEQ |  | 序列 |

### 5．项目员工对照表 DMS\_PROJECT\_EMP

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| PROJECTID | INTEGER | 外键-项目，项目主键 |
| EMPLOYEEID | INTEGER | 外键-员工，员工主键 |
|  |  |  |

### 6．日报表 DMS\_DAILY

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTEGER | 表主键 |
| CONTENT | VARCHAR2(1000) | 日报内容 |
| DAILYDATE | VARCHAR2(12) | 日报日，哪一天的日报 |
| SUBDATE | DATE | 提交日期 |
| REVIEWDATE | DATE | 审批日期 |
| STATUS | VARCHAR2(6) | 状态 |
| REVIEWCONTENT | VARCHAR2(500) | 审批内容 |
| WORKLOAD | INTEGER | 工作量 |
| EMPLOYEE | INTEGER | 外键-员工，提交人 |
| REVIEWER | INTEGER | 外键-员工，审批人 |
|  |  |  |
| DMS\_DAILY\_SEQ |  | 序列 |

### 7．日志表 DMS\_LOG

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTEGER | 表主键 |
| CONTENT | VARCHAR2(255) | 日志内容 |
| DATETIME | DATE | 日志时间 |
| TYPE | VARCHAR2(8) | 日志类型 |
| EMPLOYEE | INTEGER | 外键-员工，行为人 |
|  |  |  |
| DMS\_LOG\_SEQ |  | 序列 |

### 8．参数表 DMS\_PARAMETER

|  |  |  |
| --- | --- | --- |
| **列名** | **类型** | **说明** |
| ID | INTEGER | 表主键 |
| NAME | VARCHAR2(255) | 参数名称 |
| CODE | VARCHAR2(255) | 参数代码 |
| VALUE | VARCHAR2(255) | 参数值 |
| DESCR | VARCHAR2(255) | 参数描述 |
|  |  |  |
| DMS\_PARAMETER\_SEQ |  | 序列 |

## 二、数据库DDL

prompt PL/SQL Developer import file

prompt Created on 2014年3月26日 by PC

set feedback off

set define off

prompt Dropping DMS\_ROLE...

drop table DMS\_ROLE cascade constraints;

prompt Dropping DMS\_DEPARTMENT...

drop table DMS\_DEPARTMENT cascade constraints;

prompt Dropping DMS\_EMPLOYEE...

drop table DMS\_EMPLOYEE cascade constraints;

prompt Dropping DMS\_DAILY...

drop table DMS\_DAILY cascade constraints;

prompt Dropping DMS\_LOG...

drop table DMS\_LOG cascade constraints;

prompt Dropping DMS\_PARAMETER...

drop table DMS\_PARAMETER cascade constraints;

prompt Dropping DMS\_PROJECT...

drop table DMS\_PROJECT cascade constraints;

prompt Dropping DMS\_PROJECT\_EMP...

drop table DMS\_PROJECT\_EMP cascade constraints;

prompt Creating DMS\_ROLE...

create table DMS\_ROLE

(

ID INTEGER not null,

NAME VARCHAR2(255),

DESCR VARCHAR2(255)

)

;

alter table DMS\_ROLE

add primary key (ID);

prompt Creating DMS\_DEPARTMENT...

create table DMS\_DEPARTMENT

(

ID INTEGER not null,

NAME VARCHAR2(255),

DESCR VARCHAR2(255),

MANAGER INTEGER

)

;

alter table DMS\_DEPARTMENT

add primary key (ID);

alter table DMS\_DEPARTMENT

add foreign key (MANAGER)

references DMS\_EMPLOYEE (ID);

prompt Creating DMS\_EMPLOYEE...

create table DMS\_EMPLOYEE

(

ID INTEGER not null,

NAME VARCHAR2(255),

GENDER VARCHAR2(4),

ADDRESS VARCHAR2(255),

PHONE VARCHAR2(20),

DEPARTMENT INTEGER,

ROLE INTEGER,

EMAIL VARCHAR2(255)

)

;

alter table DMS\_EMPLOYEE

add primary key (ID);

alter table DMS\_EMPLOYEE

add foreign key (DEPARTMENT)

references DMS\_DEPARTMENT (ID);

alter table DMS\_EMPLOYEE

add foreign key (ROLE)

references DMS\_ROLE (ID);

prompt Creating DMS\_DAILY...

create table DMS\_DAILY

(

ID INTEGER not null,

CONTENT VARCHAR2(1000),

SUBDATE DATE,

REVIEWDATE DATE,

STATUS VARCHAR2(6),

REVIEWCONTENT VARCHAR2(500),

WORKLOAD INTEGER,

EMPLOYEE INTEGER,

REVIEWER INTEGER,

DAILYDATE VARCHAR2(12)

)

;

alter table DMS\_DAILY

add primary key (ID);

alter table DMS\_DAILY

add foreign key (EMPLOYEE)

references DMS\_EMPLOYEE (ID);

alter table DMS\_DAILY

add foreign key (REVIEWER)

references DMS\_EMPLOYEE (ID);

prompt Creating DMS\_LOG...

create table DMS\_LOG

(

ID INTEGER not null,

CONTENT VARCHAR2(255),

DATETIME DATE,

TYPE VARCHAR2(8),

EMPLOYEE INTEGER

)

;

alter table DMS\_LOG

add primary key (ID);

alter table DMS\_LOG

add foreign key (EMPLOYEE)

references DMS\_EMPLOYEE (ID);

prompt Creating DMS\_PARAMETER...

create table DMS\_PARAMETER

(

ID INTEGER not null,

NAME VARCHAR2(255),

CODE VARCHAR2(255),

VALUE VARCHAR2(255),

DESCR VARCHAR2(255)

)

;

alter table DMS\_PARAMETER

add primary key (ID);

prompt Creating DMS\_PROJECT...

create table DMS\_PROJECT

(

ID INTEGER not null,

NAME VARCHAR2(255),

STARTDATE DATE,

ENDDATE DATE,

STATUS VARCHAR2(6),

DESCR VARCHAR2(255),

MANAGER INTEGER

)

;

alter table DMS\_PROJECT

add primary key (ID);

alter table DMS\_PROJECT

add foreign key (MANAGER)

references DMS\_EMPLOYEE (ID);

prompt Creating DMS\_PROJECT\_EMP...

create table DMS\_PROJECT\_EMP

(

PROJECTID INTEGER,

EMPLOYEEID INTEGER

)

;

alter table DMS\_PROJECT\_EMP

add foreign key (PROJECTID)

references DMS\_PROJECT (ID);

alter table DMS\_PROJECT\_EMP

add foreign key (EMPLOYEEID)

references DMS\_EMPLOYEE (ID);

prompt Loading DMS\_ROLE...

prompt Table is empty

prompt Loading DMS\_DEPARTMENT...

prompt Table is empty

prompt Loading DMS\_EMPLOYEE...

prompt Table is empty

prompt Loading DMS\_DAILY...

prompt Table is empty

prompt Loading DMS\_LOG...

prompt Table is empty

prompt Loading DMS\_PARAMETER...

prompt Table is empty

prompt Loading DMS\_PROJECT...

prompt Table is empty

prompt Loading DMS\_PROJECT\_EMP...

prompt Table is empty

set feedback on

set define on

prompt Done.