电影售票系统

数据库建模

版本一(2017/5/6)

数据库建模：

Film
film_name 名称
film_score 评分
film_classification 类别
film_director 导演
film_actor 演员
film_language 语言
film_publishData 上映时间
film_summary 简介
film_time 时长
film_resourcePath 电影路径
film_coverPath 封面路径

film_pic 图片

Pic
film_pic
pic_path

Cinema
cinema_id
cinema_name
cinema_address
cinema_longitude
cinema_latitude

CinemaRemark
cinema_id
user_id
cinemaRemark_value
cinemaRemark_messgae

CinemaFilm
cinema_id
film_id
cinemaFilm_cinemaRoom 几号厅
cinemaFilm_time 几点开场
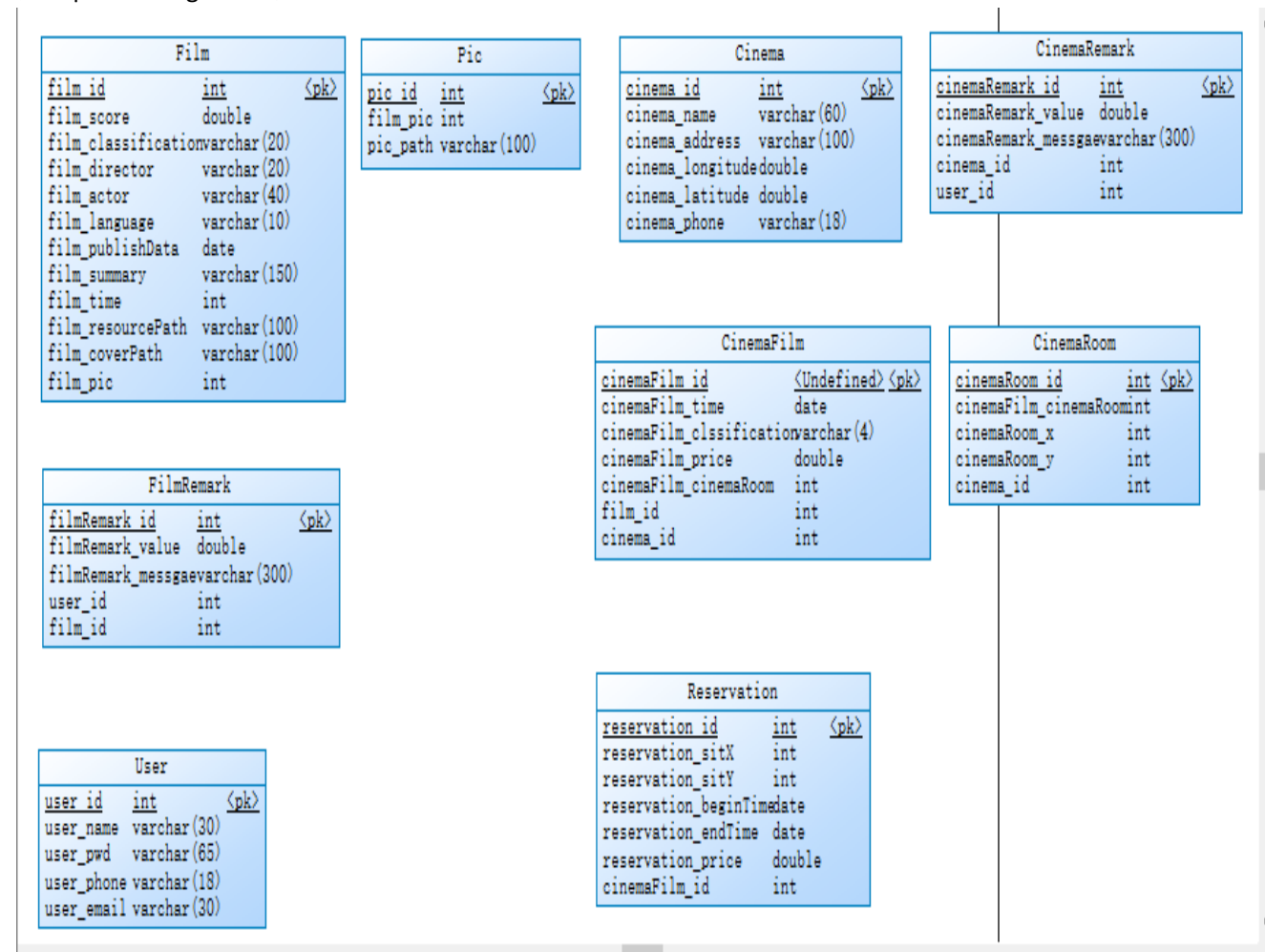cinemaFilm_clssification 类别 2D达
cinemaFilm_price 价格

CinemaRoom
cinema_id
cinemaFilm_cinemaRoom
cinemaRoom_x
cinemaRoom_y

FilmRemark
film_id
user_id
filmRemark_value 评分
filmRemark_messgae 评语

Reservation
cinemaFilm_id

reservation_sitX
reservation_sitY
reservation_beginTime
reservation_endTime
reservation_price

User
user_name
user_pwd
user_phone
user_email

使用 powerdesigner 建模：

Film		
film_id	int	<pk>
film_score	double	
film_classification	varchar(20)	
film_director	varchar(20)	
film_actor	varchar(40)	
film_language	varchar(10)	
film_publishData	date	
film_summary	varchar(150)	
film_time	int	
film_resourcePath	varchar(100)	
film_coverPath	varchar(100)	
film_pic	int	

Pic		
pic_id	int	<pk>
film_pic	int	
pic_path	varchar(100)	

Cinema		
cinema_id	int	<pk>
cinema_name	varchar(60)	
cinema_address	varchar(100)	
cinema_longitude	double	
cinema_latitude	double	
cinema_phone	varchar(18)	

CinemaRemark		
cinemaRemark_id	int	<pk>
cinemaRemark_value	double	
cinemaRemark_messgae	varchar(300)	
cinema_id	int	
user_id	int	

CinemaFilm		
cinemaFilm_id	<Undefined>	<pk>
cinemaFilm_time	date	
cinemaFilm_clssification	varchar(4)	
cinemaFilm_price	double	
cinemaFilm_cinemaRoom	int	
film_id	int	
cinema_id	int	

CinemaRoom		
cinemaRoom_id	int	<pk>
cinemaFilm_cinemaRoom	int	
cinemaRoom_x	int	
cinemaRoom_y	int	
cinema_id	int	

FilmRemark		
filmRemark_id	int	<pk>
filmRemark_value	double	
filmRemark_messgae	varchar(300)	
user_id	int	
film_id	int	

Reservation		
reservation_id	int	<pk>
reservation_sitX	int	
reservation_sitY	int	
reservation_beginTime	date	
reservation_endTime	date	
reservation_price	double	
cinemaFilm_id	int	

User		
user_id	int	<pk>
user_name	varchar(30)	
user_pwd	varchar(65)	
user_phone	varchar(18)	
user_email	varchar(30)	

输出 sql 语句：

```
/*==============================================================*/
/* DBMS name:      MySQL 5.0                                    */
/* Created on:     2017/5/7 23:04:29                            */
/*==============================================================*/


drop table if exists Cinema;

drop table if exists CinemaFilm;

drop table if exists CinemaRemark;

drop table if exists CinemaRoom;

drop table if exists Film;
```

```sql
drop table if exists FilmRemark;

drop table if exists Pic;

drop table if exists Reservation;

drop table if exists User;

/*==============================================================*/
/* Table: Cinema                                                */
/*==============================================================*/
create table Cinema
(
    cinema_id               int not null,
    cinema_name             varchar(60),
    cinema_address          varchar(100),
    cinema_longitude        double,
    cinema_latitude         double,
    cinema_phone            varchar(18),
    primary key (cinema_id)
);

/*==============================================================*/
/* Table: CinemaFilm                                            */
/*==============================================================*/
create table CinemaFilm
(
    cinemaFilm_id           char(10) not null,
    cinemaFilm_time         date,
    cinemaFilm_clssification varchar(4),
    cinemaFilm_price        double,
    cinemaFilm_cinemaRoom   int,
    film_id                 int,
    cinema_id               int,
    primary key (cinemaFilm_id)
);

/*==============================================================*/
/* Table: CinemaRemark                                          */
/*==============================================================*/
create table CinemaRemark
(
    cinemaRemark_id         int not null,
    cinemaRemark_value      double,
```

```sql
    cinemaRemark_messgae varchar(300),
    cinema_id              int,
    user_id                int,
    primary key (cinemaRemark_id)
);


/*===============================================================*/
/* Table: CinemaRoom                                             */
/*===============================================================*/
create table CinemaRoom
(
    cinemaRoom_id          int not null,
    cinemaFilm_cinemaRoom int,
    cinemaRoom_x           int,
    cinemaRoom_y           int,
    cinema_id              int,
    primary key (cinemaRoom_id)
);


/*===============================================================*/
/* Table: Film                                                   */
/*===============================================================*/
create table Film
(
    film_id                int not null,
    film_score             double,
    film_classification    varchar(20),
    film_director          varchar(20),
    film_actor             varchar(40),
    film_language          varchar(10),
    film_publishData       date,
    film_summary           varchar(150),
    film_time              int,
    film_resourcePath      varchar(100),
    film_coverPath         varchar(100),
    film_pic               int,
    primary key (film_id)
);


/*===============================================================*/
/* Table: FilmRemark                                             */
/*===============================================================*/
create table FilmRemark
(
```

```
        filmRemark_id          int not null,
        filmRemark_value       double,
        filmRemark_messgae     varchar(300),
        user_id                int,
        film_id                int,
        primary key (filmRemark_id)
);


/*==============================================================*/
/* Table: Pic                                                   */
/*==============================================================*/
create table Pic
(
        pic_id                 int not null,
        film_pic               int,
        pic_path               varchar(100),
        primary key (pic_id)
);


/*==============================================================*/
/* Table: Reservation                                           */
/*==============================================================*/
create table Reservation
(
        reservation_id         int not null,
        reservation_sitX       int,
        reservation_sitY       int,
        reservation_beginTime date,
        reservation_endTime    date,
        reservation_price      double,
        cinemaFilm_id          int,
        primary key (reservation_id)
);


/*==============================================================*/
/* Table: User                                                  */
/*==============================================================*/
create table User
(
        user_id                int not null,
        user_name              varchar(30),
        user_pwd               varchar(65),
        user_phone             varchar(18),
        user_email             varchar(30),
```

```
    primary key (user_id)
);
```