**1.影院表**

**cinema：影院信息表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **cinema \_id** | **int** | **11** | **非空** | **影院id** | **主键** |
| **cinema \_name** | **varchar** | **100** |  | **影院名称** |  |
| **cinema \_address** | **varchar** | **200** |  | **影院地址** |  |
| **cinema \_phone** | **varchar** | **20** |  | **影院电话** |  |
| **cinema \_service** | **varchar** | **400** |  | **影院服务** |  |
| **cinema \_image** | **varchar** | **250** |  | **影院图片** |  |
| **cinema \_description** | **varchar** | **400** |  | **影院介绍** |  |

**2.放映点**

**show\_site：放映点**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **show\_site\_id** | **int** | **11** | **非空** | **放映点id** | **主键** |
| **show\_site\_address** | **varchar** | **200** |  | **放映点地址** |  |
| **show\_site\_coordinate** | **varchar** | **100** |  | **放映点地图坐标** |  |
| **show\_site\_phone** | **varchar** | **20** |  | **放映点电话** |  |
| **show\_site\_service** | **varchar** | **400** |  | **提供服务** |  |
| **show\_site\_image** | **varchar** | **250** |  | **放映点图片** |  |
| **show\_site\_description** | **varchar** | **400** |  | **放映点介绍** |  |
| **cinema\_id** | **int** | **11** | **非空** | **影院id** |  |

**3放映厅表**

**show\_hall：放映厅**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **show\_hall\_id** | **int** | **11** | **非空** | **放映厅id** | **主键** |
| **show\_hall\_number** | **varchar** | **50** | **非空** | **放映厅编号** |  |
| **show\_hall\_name** | **varchar** | **30** |  | **放映厅名字** |  |
| **show\_hall\_type** | **varchar** | **30** |  | **类型** |  |
| **show\_hall\_seat\_count** | **int** | **11** |  | **座位数** |  |
| **show\_hall\_state** | **varchar** | **2** |  | **状态** |  |
| **show\_site\_id** | **int** | **11** | **非空** | **放映点id** |  |

**4座位**

**seat:座位**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **seat\_id** | **int** | **11** | **非空** | **座位id** | **主键** |
| **seat\_x** | **varchar** | **20** |  | **座位x坐标** |  |
| **seat\_y** | **varchar** | **20** |  | **座位y坐标** |  |
| **show\_hall\_id** | **int** | **11** | **非空** | **放映厅id** |  |

**5影片**

**movie：影片信息表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **movie\_id** | **int** | **11** | **非空** | **影片id** | **主键** |
| **movie\_name** | **varchar** | **100** |  | **片名** |  |
| **movie\_level** | **varchar** | **50** |  | **类型** |  |
| **movie\_decade** | **varchar** | **50** |  | **年代** |  |
| **movie\_publish** | **varchar** | **100** |  | **上映时间** |  |
| **movie\_director** | **varchar** | **100** |  | **导演** |  |
| **movie\_actors** | **varchar** | **100** |  | **主演** |  |
| **movie\_country** | **varchar** | **100** |  | **国家** |  |
| **movie\_language** | **varchar** | **100** |  | **语言** |  |
| **movie\_score** | **double** |  | **一位小数** | **评分** | **根据用户评分统计** |
| **movie\_description** | **varchar** | **500** |  | **简介** |  |
| **movie\_box\_office** | **decimal** |  |  | **票房统计** | **根据最终销售额统计** |
| **movie\_placard** | **varchar** | **500** |  | **海报** |  |
| **movie\_duration** | **varchar** | **100** |  | **时长** | **单位：min** |
| **movie\_state** | **varchar** | **2** | **非空 默认0** | **影片状态** | **0 未上映 1 在映 2 下映** |

**6用户**

**user 用户表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| user\_id | int | 11 | 非空 | 用户id |  |
| user\_name | varchar | 20 | 非空 | 用户名 |  |
| user\_password | varchar | 25 | 非空 | 密码 |  |
| user\_nickname | varchar | 30 |  | 昵称 |  |
| user\_phone | varchar | 20 |  | 手机号 |  |
| user\_email | varchar | 100 |  | 邮箱 |  |
| user\_sex | varchar | 2 |  | 性别 |  |
| user\_birth | date |  |  | 生日 |  |
| user\_head\_image | varchar | 200 |  | 头像 |  |
| user\_description | varchar | 500 |  | 个人简介 |  |
| user\_score\_active | int | 11 | 非空 默认0 | 可用积分 |  |
| user\_score\_sum | int | 11 | 非空 默认0 | 总积分 |  |
| user\_level | int | 11 | 非空 默认1 | 等级 |  |
| user\_state | varchar | 2 | 非空 默认1 | 状态 | 1 正常 0封禁 |

**7评论**

**comment:评论**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **comment\_id** | **int** | **11** | **非空** | **评论id** |  |
| **comment\_content** | **varchar** | **500** |  | **评论内容** |  |
| **comment\_time** | **dateime** |  |  | **评论时间** |  |
| **user\_id** | **int** | **11** | **非空** | **用户id** |  |
| **movie\_id** | **int** | **11** | **非空** | **影片id** |  |
| **comment\_state** | **int** | **11** | **非空 默认1** | **状态** | 0:不显示；1:显示 |
| **comment\_score** | **double** |  | **一位小数** | **评分** |  |

**8排片（排片后自动生成电影票）**

**movie\_schedule：排片表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **movie\_schedule\_id** | **int** | **11** | **非空** | **主键id** | **主键** |
| **movie\_id** | **int** | **11** | **非空** | **影片id** |  |
| **show\_hall\_id** | **int** | **11** | **非空** | **放映厅id** |  |
| **show\_site\_id** | **int** | **11** | **非空** | **放映点id** |  |
| **movie\_schedule\_start\_time** | **Datetime** |  | **非空** | **开始时间** |  |
| **movie\_schedule\_end\_time** | **Datetime** |  | **非空** | **结束时间** |  |
| **movie\_schedule\_price** | **decimal** |  | **非空** | **价格** |  |

**9电影票（订单项）**

**movie\_ticket：电影票表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **movie\_ticket\_id** | **int** | **11** | **非空** | **主键id** | **主键** |
| **movie\_schedule\_id** | **int** | **11** | **非空** | **排片id** |  |
| **user\_id** | **int** | **11** | **非空 默认0** | **用户id** |  |
| **movie\_ticket\_seat\_x** | **varchar** | **20** |  | **座位x** |  |
| **movie\_ticket\_seat\_y** | **varchar** | **20** |  | **座位y** |  |
| **order\_id** | **int** | **11** | **非空** | **订单id** | 只能买一个排片的不同座位 |
| **movie\_ticket\_seat\_state** | **var** | **2** | **非空 默认1** | **座位状态** |  |

座位状态 --->0：已售出（订单已支付或在支付有效期内10min）此时座位不可选;

1：座位可选（未售出）

**10订单**

**order：订单表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **order\_id** | **int** | **11** | **非空** | **订单id** | **主键** |
| **user\_id** | **int** | **11** | **非空** | **用户id** |  |
| **order\_number** | **varchar** | **50** | **非空** | **订单编号** | 生成订单号 |
| **order\_state** | **varchar** | **2** |  | **订单状态** | 0:失效，1：已支付，2：未支付 |
| **order\_create\_time** | **datetime** |  |  | **创建时间** |  |
| **total\_price** | **decimal** |  |  | **金额** |  |

**11优惠券**

**coupon：优惠券表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| coupon\_id | int | 11 | 非空 | 主键id |  |
| coupon\_benefit\_price | **decimal** |  |  | 优惠金额 |  |
| coupon\_start\_time | datetime |  |  | 开始时间 |  |
| coupon\_end\_time | datetime |  |  | 过期时间 |  |

**12用户-优惠券中间表**

**user\_coupon：用户优惠券中间表**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | | **长度** | | **约束** | **描述** | | **备注** | |
| user\_coupon\_id | Int | | 11 | | 非空 | 中间表主键id | |  | |
| user\_id | int | | 11 | | 非空 | 用户id | |  | |
| coupon\_id | int | | 11 | | 非空 | 优惠券id | |  | |
| coupon\_get\_time | datetime |  | |  | | | 领取时间 | |  |
| coupon\_state | varchar | | 2 | | 默认为1 | 状态 | | 0:不可用;  1:可用  2:已使用 | |

**13管理员**

**admin:管理员表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| **admin** \_id | int | 11 | 非空 | 管理员id | 主键 |
| **admin** \_account | varchar | 20 | 非空 | 账号 |  |
| **admin** \_password | varchar | 26 | 非空 | 密码 |  |
| **admin** \_real\_name | varchar | 50 |  | 真实姓名 |  |
| **admin** \_phone | varchar | 20 |  | 手机号 |  |

**14角色**

**role：角色表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| role\_id | int | 11 | 非空 | 角色id | 主键 |
| role\_name | varchar | 20 |  | 角色名 |  |
| role\_description | varchar | 500 |  | 角色描述 |  |

**15管理员-角色表**

**admin\_role：管理员-角色中间表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| admin\_id | int | 11 | 非空 | 管理员id |  |
| role\_id | int | 11 | 非空 | 角色id |  |

**16权限表**

**permission:权限表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| permission\_id | int | 11 | 非空 | 权限表id | 主键 |
| permission\_name | varchar | 20 |  | 权限名 |  |
| permission\_url | varchar | 200 |  | 权限url |  |

**17权限-角色表**

**permission\_role：权限角色表**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **数据类型** | **长度** | **约束** | **描述** | **备注** |
| permission\_id | int | 11 | 非空 | 权限id |  |
| role\_id | int | 11 | 非空 | 角色id |  |