教学管理系统

[元数据建模信息有限公司]

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| 教学管理系统参考案例 |

文档信息

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| --- | --- | --- | --- |
| 项目名称： | 教学管理系统 | | |
| 项目经理： | 杨松<yangsong158@qq.com> | 模型编号： | 3.5.3 |
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| 起草人： | 元数建模自动生成 | 文档创建日期： |  |
| 复审人： | 杨松<yangsong158@qq.com> | 复审日期： |  |
| 项目说明： | 教学管理系统参考案例 | | |
| 官方网站： | <http://www.chiner.com.cn/> | | |
| 开源代码： | <https://gitee.com/robergroup/chiner.git>  <https://gitee.com/robergroup/chiner-java.git> | | |
| 联系作者： |  | | |

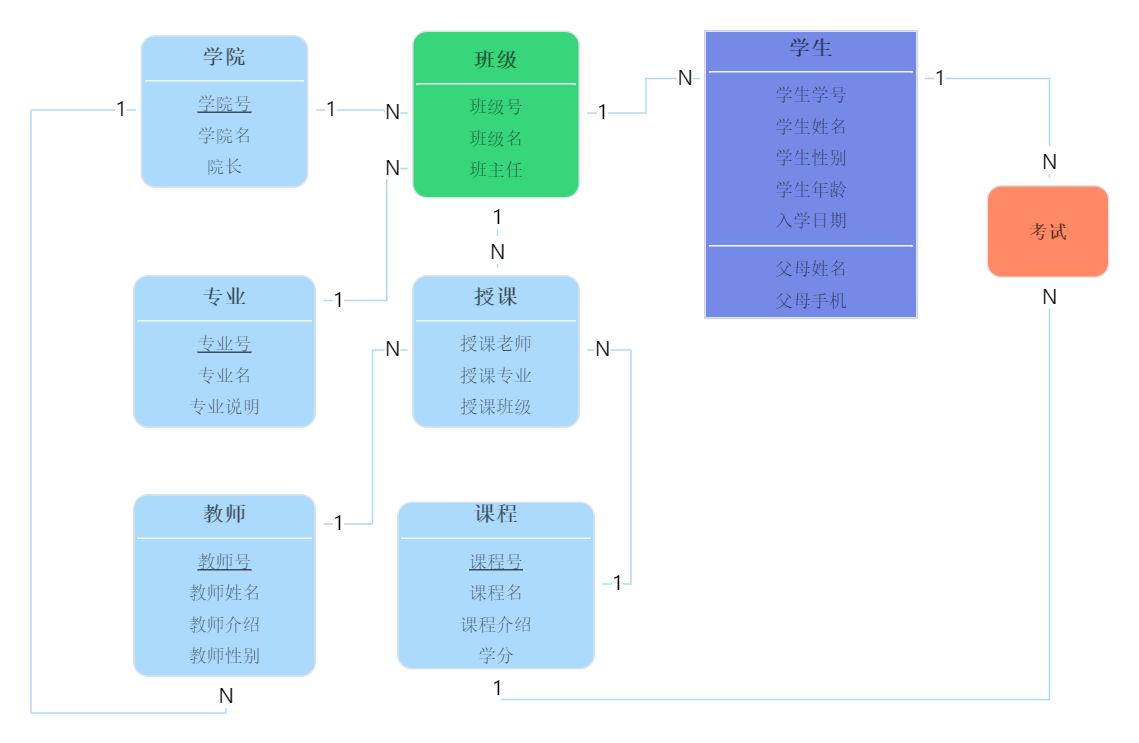
# CHINER-教学管理系统

## 关系图

### TableRelations-[数据表关系图]



### KeyEntities-[关键业务对象]



## 表清单

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **数据表** | **名称** | **备注说明** |
| 1 | SIMS\_COLLEGE | 学院 |  |
| 2 | SIMS\_MAJOR | 专业 |  |
| 3 | SIMS\_CLASS | 班级 |  |
| 4 | SIMS\_STUDENT | 学生 |  |
| 5 | SIMS\_TEACHER | 教师 |  |
| 6 | SIMS\_LESSON | 课程 |  |
| 7 | SIMS\_INSTRUCT | 授课 |  |
| 8 | SIMS\_EXAM | 考试 |  |
| 9 | SIMS\_CLASS\_FEE | 班费 |  |

## 表字段明细

### SIMS\_COLLEGE [学院]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | COLLEGE\_ID | 学院ID | VARCHAR(32) | √ | √ |  |  |
| 2 | COLLEGE\_NAME | 学院名称 | VARCHAR(90) |  |  |  |  |
| 3 | SHORT\_NAME | 学院简称 | VARCHAR(90) |  |  |  |  |
| 4 | INTRO | 学院介绍 | VARCHAR(900) |  |  |  |  |
| 5 | PROFESSION\_NUMBER | 专业个数 | INT |  |  |  |  |
| 6 | STUDENT\_NUMBER | 学生人数 | INT |  |  |  |  |
| 7 | PRESIDENT | 院长 | VARCHAR(90) |  |  |  |  |
| 8 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 9 | REVISION | 乐观锁 | INT |  |  |  |  |
| 10 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 11 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 12 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 13 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_MAJOR [专业]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | MAJOR\_ID | 专业ID | VARCHAR(32) | √ | √ |  |  |
| 2 | MAJOR\_NAME | 专业名称 | VARCHAR(90) |  |  |  |  |
| 3 | SHORT\_NAME | 专业简称 | VARCHAR(90) |  |  |  |  |
| 4 | ESTAB\_DATE | 开设日期 | DATETIME |  |  |  |  |
| 5 | INTRO | 专业介绍 | VARCHAR(900) |  |  |  |  |
| 6 | TUITION\_FEE | 学费 | DECIMAL(24,6) |  |  |  |  |
| 7 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 8 | REVISION | 乐观锁 | INT |  |  |  |  |
| 9 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 10 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 11 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 12 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_CLASS [班级]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | COLLEGE\_ID | 所在学院 | VARCHAR(32) |  |  |  |  |
| 2 | MAJOR\_ID | 所属专业ID | VARCHAR(32) |  |  |  |  |
| 3 | CLASS\_ID | 班级ID | VARCHAR(32) | √ | √ |  |  |
| 4 | CLASS\_NAME | 班级名称 | VARCHAR(90) |  |  |  |  |
| 5 | STUDENT\_NUMBER | 班级人数 | INT |  |  |  |  |
| 6 | ADVISER | 辅导员 | VARCHAR(90) |  |  |  |  |
| 7 | ESTAB\_DATE | 成立时间 | DATETIME |  |  |  |  |
| 8 | YEAR\_NUMBER | 学习年数 | INT |  |  |  |  |
| 9 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 10 | REVISION | 乐观锁 | INT |  |  |  |  |
| 11 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 12 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 13 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 14 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_STUDENT [学生]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | COLLEGE\_ID | 所在学院ID | VARCHAR(32) |  | √ |  |  |
| 2 | CLASS\_ID | 所在班级ID | VARCHAR(32) |  | √ |  |  |
| 3 | STUDENT\_ID | 学生ID | VARCHAR(32) | √ | √ |  |  |
| 4 | STUDENT\_NAME | 学生姓名 | VARCHAR(90) |  |  |  |  |
| 5 | ENG\_NAME | 英文名 | VARCHAR(90) |  |  |  |  |
| 6 | ID\_CARD\_NO | 身份证号 | VARCHAR(255) |  |  |  |  |
| 7 | MOBILE\_PHONE | 手机号 | VARCHAR(255) |  |  |  |  |
| 8 | GENDER | 性别 | VARCHAR(32) |  |  | 'M' |  |
| 9 | MONTHLY\_SALARY | 月薪 | DECIMAL(24,6) |  |  |  |  |
| 10 | BIRTH | 出生日期 | DATETIME |  |  |  |  |
| 11 | AVATAR | 头像 | INT |  |  |  |  |
| 12 | HEIGHT | 身高 | INT |  |  |  |  |
| 13 | WEIGHT | 体重 | INT |  |  |  |  |
| 14 | NATION | 名族 | VARCHAR(32) |  |  | '01' |  |
| 15 | POLITICAL | 政治面貌 | VARCHAR(32) |  |  |  |  |
| 16 | MARITAL | 婚姻状况 | VARCHAR(32) |  |  | 'UNMARRIED' |  |
| 17 | DOMICILE\_PLACE\_PROVINCE | 籍贯（省） | VARCHAR(255) |  |  |  |  |
| 18 | DOMICILE\_PLACE\_CITY | 籍贯（市） | VARCHAR(255) |  |  |  |  |
| 19 | DOMICILE\_PLACE\_ADDRESS | 户籍地址 | VARCHAR(255) |  |  |  |  |
| 20 | HOBBY | 爱好 | VARCHAR(255) |  |  |  |  |
| 21 | INTRO | 简要介绍 | VARCHAR(900) |  |  |  |  |
| 22 | PRESENT\_ADDRESS | 居住地址 | VARCHAR(255) |  |  |  |  |
| 23 | EMAIL | 电子邮件 | VARCHAR(255) |  |  |  |  |
| 24 | ENTRY\_DATE | 入学日期 | DATETIME |  |  |  |  |
| 25 | STATUS | 状态 | VARCHAR(32) |  |  | 'Normal' |  |
| 26 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 27 | REVISION | 乐观锁 | INT |  |  |  |  |
| 28 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 29 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 30 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 31 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_TEACHER [教师]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | COLLEGE\_ID | 所在学院ID | VARCHAR(32) |  | √ |  |  |
| 2 | TEACHER\_ID | 教师ID | VARCHAR(32) | √ | √ |  |  |
| 3 | TEACHER\_NAME | 姓名 | VARCHAR(90) |  |  |  |  |
| 4 | GENDER | 性别 | VARCHAR(32) |  |  | 'M' |  |
| 5 | BIRTH | 出生日期 | DATETIME |  |  |  |  |
| 6 | GRADUATE\_INSTITUTION | 毕业院校 | VARCHAR(90) |  |  |  |  |
| 7 | PRACTICE\_YEARS | 从业年限 | INT |  |  |  |  |
| 8 | POLITICAL | 政治面貌 | VARCHAR(32) |  |  |  |  |
| 9 | MARITAL | 婚姻状况 | VARCHAR(32) |  |  | 'UNMARRIED' |  |
| 10 | AVATAR | 头像 | VARCHAR(255) |  |  |  |  |
| 11 | INTRO | 介绍 | VARCHAR(900) |  |  |  |  |
| 12 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 13 | REVISION | 乐观锁 | INT |  |  |  |  |
| 14 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 15 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 16 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 17 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_LESSON [课程]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | LESSON\_ID | 课程ID | VARCHAR(32) | √ | √ |  |  |
| 2 | LESSON\_NAME | 课程名 | VARCHAR(90) |  |  |  |  |
| 3 | INTRO | 课程说明 | VARCHAR(900) |  |  |  |  |
| 4 | HOURS | 学时 | INT |  |  |  |  |
| 5 | SCORE | 学分 | INT |  |  |  |  |
| 6 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 7 | REVISION | 乐观锁 | INT |  |  |  |  |
| 8 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 9 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 10 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 11 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_INSTRUCT [授课]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | INSTRUCT\_ID | 授课号 | VARCHAR(32) | √ | √ |  |  |
| 2 | CLASS\_ID | 班级ID | VARCHAR(32) |  |  |  |  |
| 3 | LESSON\_ID | 课程号 | VARCHAR(32) |  |  |  |  |
| 4 | TEACHER\_ID | 教师ID | VARCHAR(32) |  |  |  |  |
| 5 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 6 | REVISION | 乐观锁 | INT |  |  |  |  |
| 7 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 8 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 9 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 10 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_EXAM [考试]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | EXAM\_ID | 考试记录ID | VARCHAR(32) | √ | √ |  |  |
| 2 | STUDENT\_ID | 学生ID | VARCHAR(32) |  |  |  |  |
| 3 | LESSON\_ID | 课程ID | VARCHAR(32) |  |  |  |  |
| 4 | EXAM\_DATE | 考试日期 | DATETIME |  |  |  |  |
| 5 | EXAM\_NAME | 考试名 | VARCHAR(90) |  |  |  |  |
| 6 | EXAM\_SCORE | 考试分数 | DECIMAL(24,6) |  |  |  |  |
| 7 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 8 | REVISION | 乐观锁 | INT |  |  |  |  |
| 9 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 10 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 11 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 12 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

### SIMS\_CLASS\_FEE [班费]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **字段** | **名称** | **数据类型** | **主键** | **非空** | **默认值** | **备注说明** |
| 1 | TENANT\_ID | 租户号 | VARCHAR(32) |  |  |  |  |
| 2 | REVISION | 乐观锁 | VARCHAR(32) |  |  |  |  |
| 3 | CREATED\_BY | 创建人 | VARCHAR(32) |  |  |  |  |
| 4 | CREATED\_TIME | 创建时间 | DATETIME |  |  |  |  |
| 5 | UPDATED\_BY | 更新人 | VARCHAR(32) |  |  |  |  |
| 6 | UPDATED\_TIME | 更新时间 | DATETIME |  |  |  |  |

## 数据字典明细

### Gender [性别]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **代码** | **名称** | **备注说明** |
| 1 | M | 男 |  |
| 2 | F | 女 |  |
| 3 | U | 未知 |  |

### Political [政治面貌]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **代码** | **名称** | **备注说明** |
| 1 | 10 | 共青团员 |  |
| 2 | 20 | 中共党员 |  |
| 3 | 30 | 民主党派 |  |
| 4 | 40 | 群众 |  |
| 5 | 90 | 未知 |  |

### Marital [婚姻状况]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **代码** | **名称** | **备注说明** |
| 1 | UNMARRIED | 未婚 |  |
| 2 | MARRIED | 已婚 |  |
| 3 | WIDOWED | 丧偶 |  |
| 4 | DIVORCE | 离婚 |  |
| 5 | UNSPECIFIED | 未说明 |  |

### StudentStatus [学生状态]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **代码** | **名称** | **备注说明** |
| 1 | Normal | 正常 |  |
| 2 | Graduated | 毕业 |  |
| 3 | Studied | 肄业 |  |
| 4 | Stop | 休学 |  |

### GBNation [民族]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **代码** | **名称** | **备注说明** |
| 1 | 01 | 汉族 |  |
| 2 | 02 | 蒙古族 |  |
| 3 | 03 | 回族 |  |
| 4 | 04 | 藏族 |  |
| 5 | 05 | 维吾尔族 |  |
| 6 | 06 | 苗族 |  |
| 7 | 07 | 彝族 |  |
| 8 | 08 | 壮族 |  |
| 9 | 09 | 布依族 |  |
| 10 | 10 | 朝鲜族 |  |
| 11 | 11 | 满族 |  |

### GradeLevel [受教育程度]

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **代码** | **名称** | **备注说明** |