程序在线测评系统数据库设计

# 学生表(student)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| Id |  |  |  |  | ID |
| number |  |  |  |  | 学号 |
| password |  |  |  |  | 密码(123456) |
| name |  |  |  |  | 姓名 |
| sex |  |  |  |  | 性别 |
| email |  |  |  |  | 电子邮箱 |
| phone |  |  |  |  | 电话 |
| classnumber |  |  |  |  | 班级编号 |
| flag |  |  |  |  | 删除标识 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |
|  |  |  |  |  |  |

TTY 端口 20000 + id

Socket 端口 30000 + id

(ID为1开始的序列)

# 二、老师表(teacher)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| id |  |  |  |  | ID |
| number |  |  |  |  | 教师工号 |
| password |  |  |  |  | 密码(123456) |
| name |  |  |  |  | 姓名 |
| sex |  |  |  |  | 性别 |
| email |  |  |  |  | 电子邮箱 |
| phone |  |  |  |  | 电话 |
| flag |  |  |  |  | 删除标识 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modifyby |  |  |  |  | 修改人 |
|  |  |  |  |  |  |

# 三、管理员(admin)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
| id |  |  |  |  | ID |
| number |  |  |  |  | 工号 |
| password |  |  |  |  | 密码 |
| name |  |  |  |  | 名字 |
| sex |  |  |  |  | 性别 |
| email |  |  |  |  | 邮箱 |
| phone |  |  |  |  | 电话 |
| flag |  |  |  |  | 删除标识 |
| type |  |  |  |  | 管理员类型 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modifyby |  |  |  |  | 修改 |

# 四、班级表(clazz)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| Id |  |  |  |  | ID |
| number |  |  |  |  | 班级编号 |
| name |  |  |  |  | 班级名 |
| creaetime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modifby |  |  |  |  | 修改人 |
|  |  |  |  |  |  |

# 五、课程表(course)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| id |  |  |  |  | ID |
| number |  |  |  |  | 课程编号 |
| name |  |  |  |  | 课程名 |
|  |  |  |  |  |  |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 六、课程章目录(chapter)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| Id |  |  |  |  | ID |
| number |  |  |  |  | 章节编号 |
| name |  |  |  |  | 章节名 |
| cid |  |  |  |  | 课程ID |
| cnumber |  |  |  |  | 课程编号 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 七、节目录(section)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| Id |  |  |  |  | ID |
| number |  |  |  |  | 编号 |
| name |  |  |  |  | 名字 |
| cid |  |  |  |  | 课程id |
| cnumber |  |  |  |  | 课程编号 |
| cname |  |  |  |  | 课程名 |
| chid |  |  |  |  | 章id |
| chnumber |  |  |  |  | 章编号 |
| chname |  |  |  |  | 章名字 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 八、小节目录(part)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| id |  |  |  |  | ID |
| number |  |  |  |  | 编号 |
| name |  |  |  |  | 名字 |
| cid |  |  |  |  | 课程ID |
| chid |  |  |  |  | 章ID |
| sid |  |  |  |  | 节ID |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 九、实验目录(experiment)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
| id |  |  |  |  | ID |
| courseid |  |  |  |  | 课程ID |
| chapterid |  |  |  |  | 章ID |
| sectionid |  |  |  |  | 节ID |
| partid |  |  |  |  | 小节ID |
| eid |  |  |  |  | 实验ID |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 十、题库表（question）

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
| id |  |  |  |  | ID |
| title |  |  |  |  | 标题 |
| content |  |  |  |  | 内容 |
| templae |  |  |  |  | 模版 |
| keywords |  |  |  |  | 关键词 |
| input |  |  |  |  | 输入 |
| output |  |  |  |  | 输出 |
| score |  |  |  |  | 分值 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 十一、班级课程关系表(clazzcourse)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
| id |  |  |  |  | ID |
| classid |  |  |  |  | 班级ID |
| classnumber |  |  |  |  | 班级编号 |
| courseid |  |  |  |  | 课程ID |
| coursenumber |  |  |  |  | 课程编号 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |
|  |  |  |  |  |  |

# 十二、老师课程关系表(teachercourse)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null | 描述 |
| id |  |  |  |  | ID |
| tid |  |  |  |  | 教师ID |
| tnumber |  |  |  |  | 教师编号 |
| cid |  |  |  |  | 课程ID |
| cnumber |  |  |  |  | 课程编号 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |
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# 十三、学生实验表

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
| id |  |  |  |  | ID |
| studentid |  |  |  |  | 学生ID |
| courseid |  |  |  |  | 课程ID |
| chapterid |  |  |  |  | 章ID |
| sectionid |  |  |  |  | 节ID |
| partid |  |  |  |  | 小节ID |
| experimentid |  |  |  |  | 实验ID |
|  |  |  |  |  |  |
| hfname |  |  |  |  | 头文件名 |
| hfcontent |  |  |  |  | 头文件内容 |
| sfname |  |  |  |  | 源文件名 |
| sfcontent |  |  |  |  | 源文件内容 |
| createtime |  |  |  |  | 创建时间 |
| createby |  |  |  |  | 创建人 |
| modifytime |  |  |  |  | 修改时间 |
| modityby |  |  |  |  | 修改人 |

# 十四、学生实验记录表

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
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# 十五、日志表（log）

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| 名 | 类型 | 长度 | 小数点 | 是否为null |  |
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