CUSTOMUSER(django.contrib.auth.models.USER)

**class** Student(CustomUser):  
 grade = models.IntegerField()  
 MAJOR\_CHOICES = [  
 (0, **'暂无'**),  
 (1, **'软件技术与管理'**),  
 (2, **'网络与主机软件'**),  
 (3, **'嵌入式软件与系统'**),  
 (4, **'数字媒体'**),  
 (5, **'其他'**)  
 ]  
 major = models.IntegerField(choices=MAJOR\_CHOICES, default=0)  
  
**class** Teacher(CustomUser):  
 phone = models.CharField(max\_length=11)

CREDIT

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| CREDIT\_ID | INT |  | PK,自增 |
| STUDENT\_ID | INT |  | FK(USER) |
| DATE | DATE |  | NOT NULL |
| CREDIT\_TYPE | INT | (0, **'竞赛获奖'**), (1, **'学术论文'**), (2, **'国家发明专利'**), (3, **'大学生创新项目'**), | NOT NULL |
| VALUE | INT |  | NOT NULL |
| NAME | VARCHAR(300) |  | NOT NULL |

PROJECT

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| PROJECT\_ID | INT |  | PK, 自增 |
| name | VARCHAR(60) |  | NOT NULL |
| projecttype\_ID | INT | 例如SITP九期 | FK(PROJECTTYPE) |
| PROFESSOR | INT |  | FK(USER\_ID) |
| STATE | INT |  | NOT NULL |
| ENDTIME | DATE |  |  |
| NOTE | VARCHAR(300) |  |  |

PROJECTTYPE

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| PROJECTTYPE\_ID | INT |  | PK, 自增 |
| TYPE\_NAME | VARCHAR(60) | 例如”SITP九期” | NOT NULL |
| type | INT | 0：国创  1：市创  2：SITP  3：院创  4：其他 | NOT NULL |
| ISopening | BOOLEAN | TRUE为开放申请 | NOT NULL |
| START\_TIME | DATE | 开始时间 | NOT NULL |
| END\_TIME | DATE | 结束时间 | NOT NULL |
| NOTE | VARCHAR(300) |  |  |

PROJECT\_STUDENT

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| ID | INT |  | PK,自增 |
| PROJECT\_ID | INT |  | FK(PROJECT) |
| USER\_ID | INT | USER.ROLE = 0 | FK(USER) |

DOCUMENT

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| DOCURMENT\_ID | INT |  | PK,自增 |
| PROJECT\_ID | INT |  | FK(PROJECT) |
| type | INT | 0 : 开题文档  1 : 中期文档  2 : 结题文档  3 : 项目相关  4 : 其他文档 | NOT NULL |
| STATE | INT | 0 : 待审核  1 : 未通过  2 : 已通过 | NOT NULL |
| DATE | DATE |  | NOT NULL |
| FILEPATH | VARCHAR(100) | 文档地址 | NOT NULL |
| note | VARCHAR(300) |  |  |

FUND

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| FUND\_ID | INT |  | PK,自增 |
| PROJECT\_ID | INT |  | FK(PROJECT) |
| DATE | DATE |  | NOT NULL |
| FUND\_TYPE | VARCHAR(60) |  | NOT NULL |
| AMOUNT | INT |  | NOT NULL |
| note | VARCHAR(300) |  |  |

NEWS

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| NEWS\_ID | INT |  | PK,自增 |
| TYPE | INT | 0：通知  1：新闻 | NOT NULL |
| DATE | DATE |  | NOT NULL |
| PUBLISHER | INT |  | PK(USER) |
| AMOUNT | INT |  | NOT NULL |
| note | VARCHAR(300) |  |  |

ATTACHMENT

|  |  |  |  |
| --- | --- | --- | --- |
| 字段名 | 数据类型 | 字段说明 | 备注 |
| ATTACHMENT\_ID | INT |  | PK,自增 |
| NEWS\_ID | INT |  | FK(NEWS) |
| FILEPATH | VARCHAR(100) | 文档地址 | NOT NULL |

NOTES

1. 删除PROJECT前，先手动删除所有关联DOCUMENT的实际文件和记录，TRIGGER删掉所有关联PROJECT\_STUDENT、PROJECT\_PROFESSOR、FUND、DOCUMENT
2. 删除USER前， Trigger删除CREDIT, 把所有NEWS.PUBLISHER的地方置为0号未知用户