**数据设计—数据库基表结构**

1. **目的**

在线教育平台涉及如下这些表：书籍信息表(bookInfo)、书籍标签表(labels)、用户信息表(user)、用户偏好表(Preference)、评分表(scores)，其中：

书籍信息表(bookInfo)是存储书籍的基本信息；

书籍标签表(labels)是为书籍分类；

用户信息表(user)是存储用户基本信息；

用户偏好表(Preference)是记录用户对书籍的评价；

评分表(scores)是记录用户对书籍的评分。

1. **数据库表**
2. 书籍信息表bookInfo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| bookID | varchar(50) | Not null | primary key | 书籍编号 |
| bookName | varchar(300) | Not null |  | 书籍名称 |
| bookDetail | varchar(3000) | Not null |  | 书籍简介 |
| ImgUrl | varchar(500) | Not null |  | 图片信息 |
| author | varchar(100) | Not null |  | 书籍作者 |

1. 书籍标签表labels

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| bookID | varchar(50) | Not null | primary key | 书籍编号 |
| label | varchar(200) | Not null |  | 标签 |

1. 用户信息表user

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| userName | varchar(50) | Not null | primary key | 用户名 |
| Email | varchar(50) | Not null |  | 邮箱 |
| userPasswd | varchar(50) | Not null |  | 密码 |

1. 用户偏好表Preference

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| userName | varchar(50) | Not null | primary key | 用户名 |
| comments | varchar(500) | Not null |  | 评论 |
| bookID | varchar(50) | Not null |  | 书籍编号 |

1. 评分表scores

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| userName | varchar(50) | Not null | primary key | 用户名 |
| score | varchar(3) | Not null |  | 评分 |
| bookID | varchar(50) | Not null |  | 书名 |

1. **建表过程**

class bookInfo(models.Model):

bookID = models.CharField(max\_length=50)

bookName = models.CharField(max\_length=300)

bookDetail = models.CharField(max\_length=3000)

imgUrl = models.CharField(max\_length=500)

author = models.CharField(max\_length=100)

class labels(models.Model):

bookID = models.CharField(max\_length=50)

label = models.CharField(max\_length=200)

class user(models.Model):

userName = models.CharField(max\_length=50)

userPasswd = models.CharField(max\_length=50)

class Preference(models.Model):

userName = models.CharField(max\_length=50)

comments = models.CharField(max\_length=500)

bookID = models.CharField(max\_length=50)

class scores(models.Model):

userName = models.CharField(max\_length=50)

score = models.CharField(max\_length=3)

bookID = models.CharField(max\_length=50)