

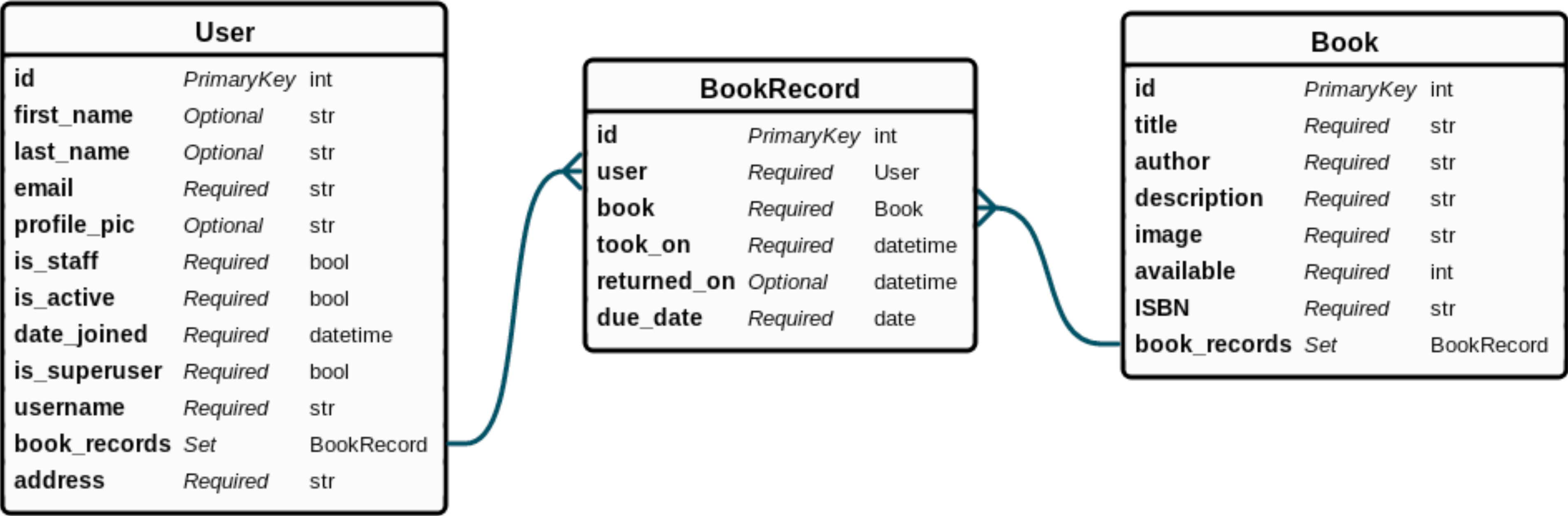
Django Models II

Python Web Development

Azimjon Pulatov | PDP Online

Database Table -> Django Model

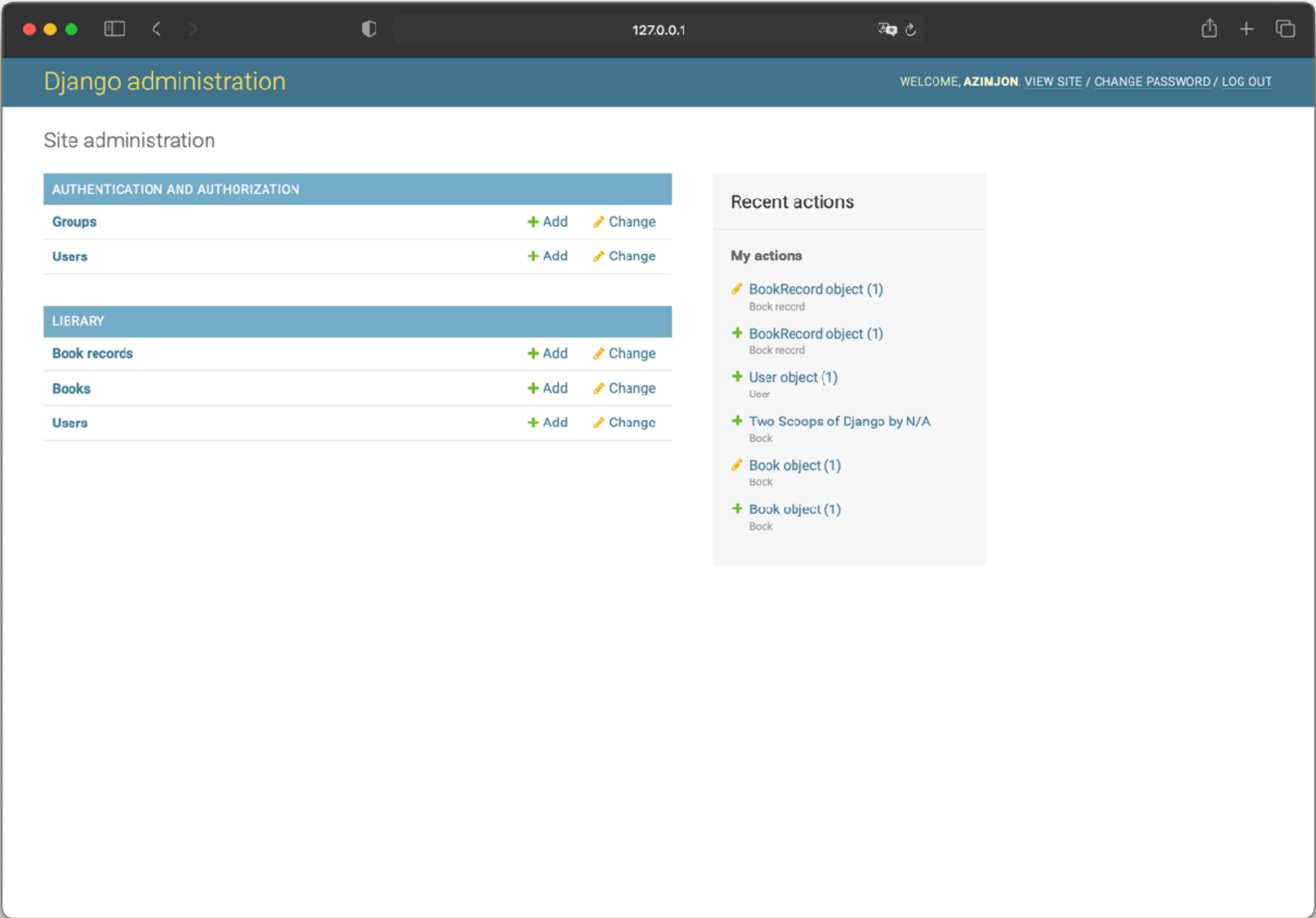
Library Database Example



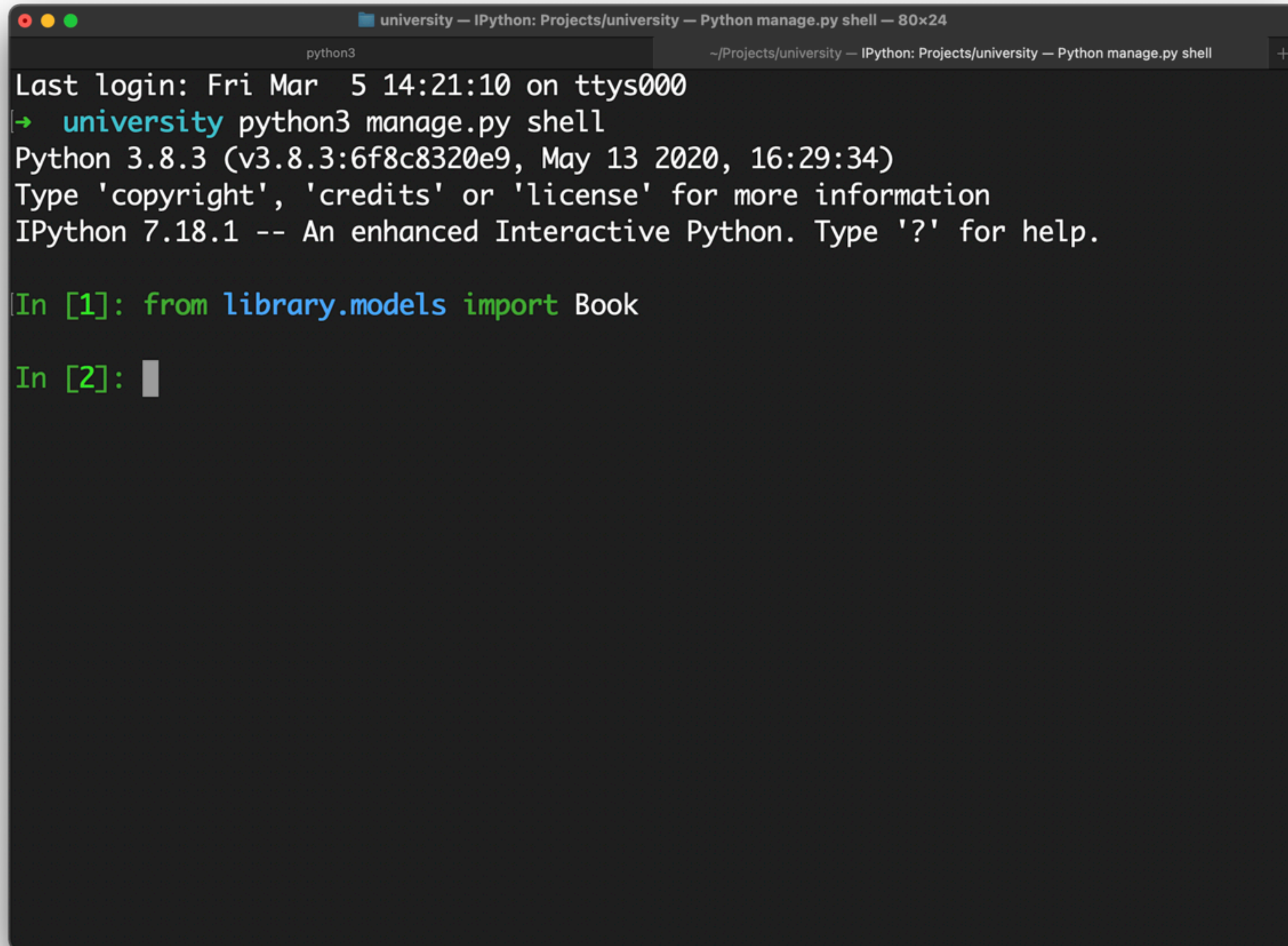
Django Models

```
1      from django.db import models
2
3
4      class Book(models.Model):
5          title = models.CharField(max_length=512)
6          author = models.CharField(max_length=512)
7          count = models.IntegerField(default=1)
8
9          class Meta:
10             db_table = "books"
11
12  🔍↑      def __str__(self):
13             return f"{self.title} by {self.author}"
14
```

Django Admin



Django Shell

A screenshot of a terminal window titled "university — IPython: Projects/university — Python manage.py shell — 80x24". The terminal shows the output of running "python3 manage.py shell", which includes the last login time, Python version (3.8.3), and IPython version (7.18.1). The user has entered two commands: "from library.models import Book" and "In [2]:", with a cursor at the end of the second line.

```
university — IPython: Projects/university — Python manage.py shell — 80x24
python3 ~/Projects/university — IPython: Projects/university — Python manage.py shell
Last login: Fri Mar  5 14:21:10 on ttys000
-> university python3 manage.py shell
Python 3.8.3 (v3.8.3:6f8c8320e9, May 13 2020, 16:29:34)
Type 'copyright', 'credits' or 'license' for more information
IPython 7.18.1 -- An enhanced Interactive Python. Type '?' for help.

In [1]: from library.models import Book

In [2]:
```