

# 数据库与后端开发

2025 年 6 月 6 日

## 一、主要任务：

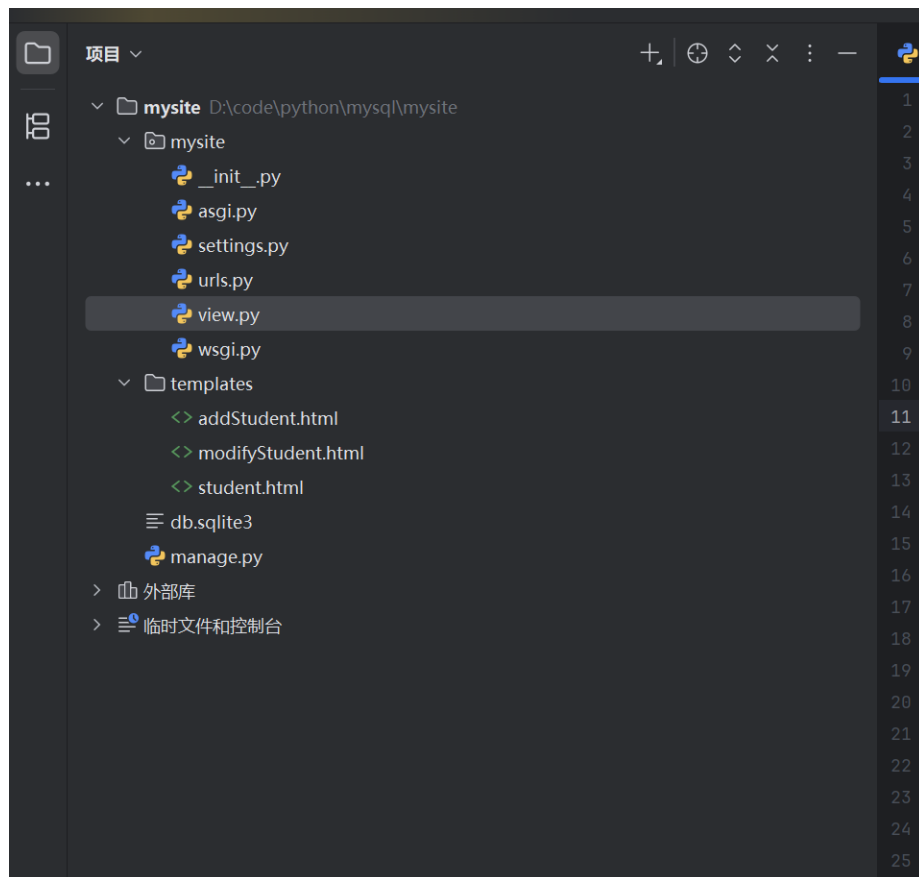
实现一个 web-based app，支持列出所有学生和查询学生功能

## 二、实现方法：

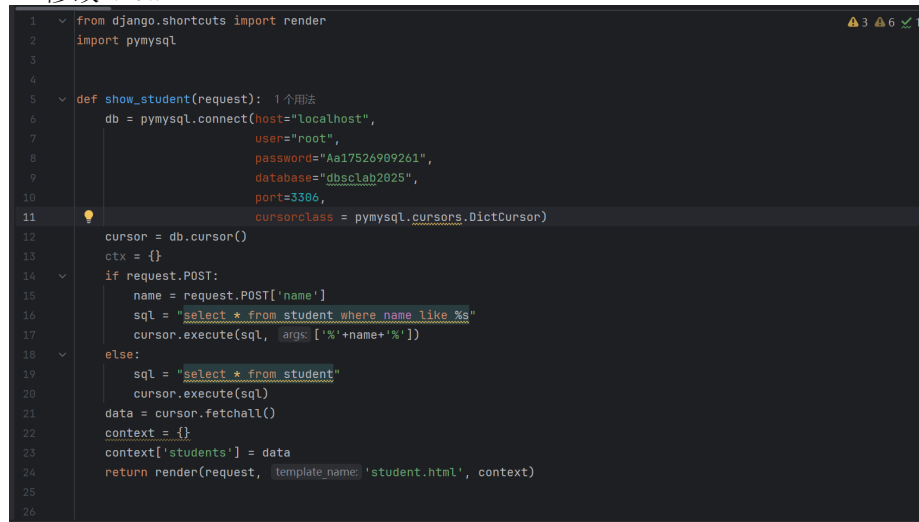
1. 导入工程
2. 修改 view.py
3. 修改 urls.py
4. 启动网络服务

## 三、成果展示：

1. 导入工程



## 2. 修改 view



### 3. 修改 urls

```
6  Function views
7      1. Add an import: from my_app import views
8      2. Add a URL to urlpatterns: path('', views.home, name='home')
9  Class-based views
10     1. Add an import: from other_app.views import Home
11     2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 Including another URLconf
13     1. Import the include() function: from django.urls import include, path
14     2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15
16
17 from django.urls import re_path
18
19 from . import view
20
21 urlpatterns = [
22     re_path(route: r'^search-student$', view.show_student),
23     re_path(route: r'^add-student$', view.addStudent),
24     re_path(route: r'^modify-student/(?P<id>\d+)$', view.modifyStudent, name='modifyStudent'),
25 ]
```

### 4. 开启网络服务

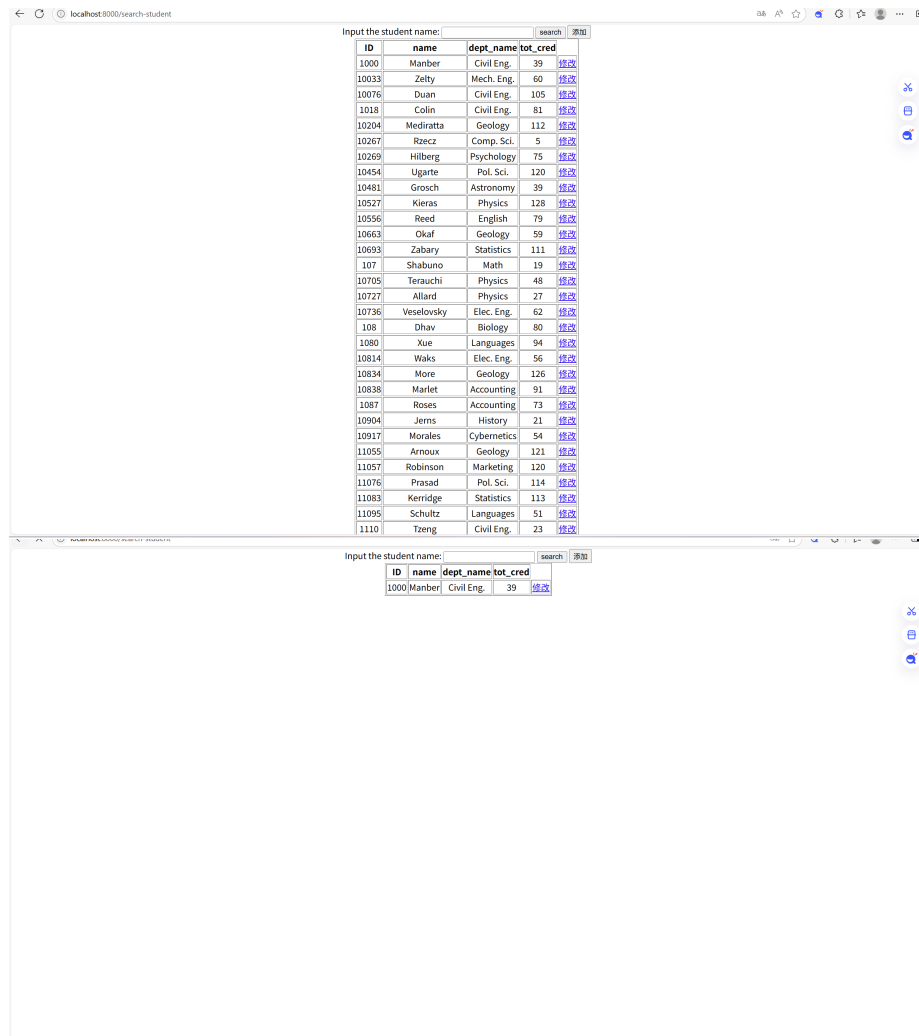
```
选择 C:\Windows\System32\cmd.exe - python manage.py runserver 0.0.0.0:8000
Microsoft Windows [版本 10.0.26100.3775]
(c) Microsoft Corporation. 保留所有权利。

D:\code\python\mysql\mysite>python manage.py runserver 0.0.0.0:8000
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin,
auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
June 06, 2025 - 15:03:16
Django version 5.2.2, using settings 'mysite.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CTRL-BREAK.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
```



可见可以成功查询

#### 四、结论：

1. 在 urls 可以实现网页 url 的重定向，但这样会让前后端耦合在一起
2. 不如 spring 框架好用