



G-CAMP WORKSHOP

BUILD THE RIGHT THING
BUILD THING RIGHT
SHIP FAST

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5강_학사관리프로그램 만들기-I

- 웹 애플리케이션 설계
 - 프로젝트 생성
 - 애플리케이션 생성
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5-1. 웹 애플리케이션 설계



	URL	view	template	redirection
학생등록	/students/reg	regStudent()	registerStudent.html	
학생(전체)보기		regConStudent()		/students/all
학생(전체)보기	/students/all	reaStudentAll()	readStudents.html	
학생수정	/students/<str:s_name>/mod	reaStudentOne()	modifyStudent.html	
		modConStudent()		reaStudentAll()
학생삭제	/students/<str:s_name>/del	delStudent()	deleteStudent.html	

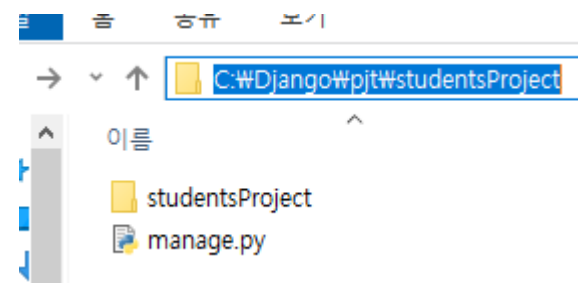
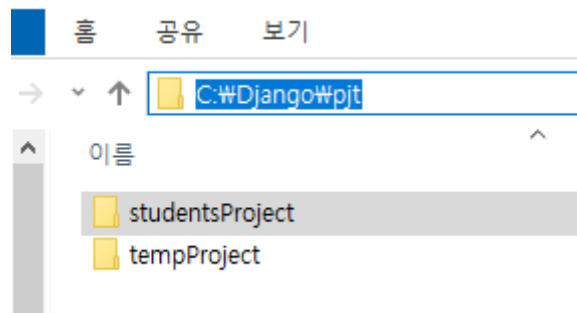


5-2. 프로젝트 생성



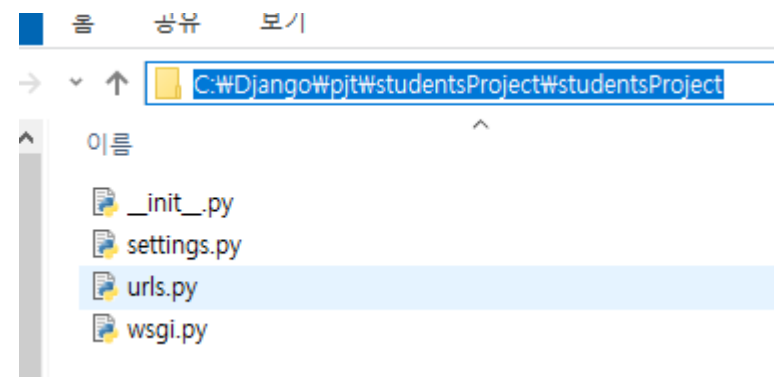
```
C:\C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17763.557]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\who_msi>cd C:\WDjango\pjt
C:\WDjango\pjt>django-admin startproject studentsProject
C:\WDjango\pjt>_
```



프로젝트 이름 변경

```
C:\WDjango\pjt>move studentsProject sProject
1개의 디렉터를 이동했습니다
```



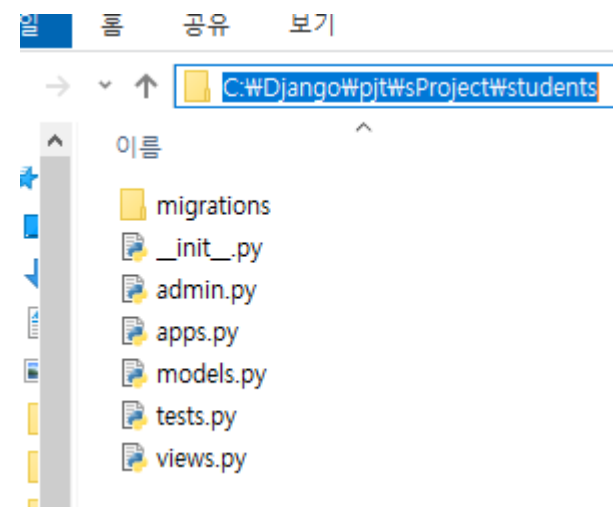
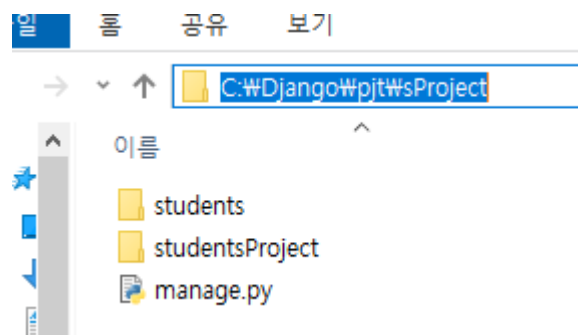


5-3. 애플리케이션 생성

```
C:\Django\pjt>cd sProject
```

```
C:\Django\pjt\Project>python manage.py startapp students
```

```
C:\Django\pjt\Project>_
```





5-4. 프로젝트 설정 변경(settings.py)

students/apps.py

```
apps.py x
1 from django.apps import AppConfig
2
3
4 class StudentsConfig(AppConfig):
5     name = 'students'
6
```

애플리케이션 등록

studentsProject/settings.py

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'students.apps.StudentsConfig',
]
```

studentsProject/settings.py

```
#TIME_ZONE = 'UTC'
TIME_ZONE = 'Asia/Seoul'
```

타임존 변경



5-5. 데이터베이스 만들기(models.py)



students/models.py

```
models.py x
1  from django.db import models
2
3  # Create your models here.
4  class Student(models.Model):
5      s_name = models.CharField(max_length=100)
6      s_major = models.CharField(max_length=100)
7      s_age = models.IntegerField(default=0)
8      s_grade = models.IntegerField(default=0)
9      s_gender = models.CharField(max_length=30)
10
11  def __str__(self):
12      return self.s_name
```

s_name : 이름(char)
s_major : 전공(char)
s_age : 나이(int)
s_grade : 학년(int)
s_gender : 성구분(char)

students/models.py

```
admin.py x
1  from django.contrib import admin
2  from students.models import Student
3
4  # Register your models here.
5  admin.site.register(Student)
6
```

Admin에 table 적용



5-5. 데이터베이스 만들기(models.py)



```
C:\WDjango\pjt\Project>python manage.py makemigrations
Migrations for 'students':
  students\migrations\0001_initial.py
    - Create model Student

C:\WDjango\pjt\Project>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions, students
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying sessions.0001_initial... OK
  Applying students.0001_initial... OK

C:\WDjango\pjt\Project>_
```

데이터베이스 반영



5-6. 관리자 계정 생성 및 웹서버 실행



```
C:\Django\pjt\WsProject>python manage.py createsuperuser
Username (leave blank to use 'ho_msi'): blogstudy
Email address: blogstudy@naver.com
Password:
Password (again):
The password is too similar to the username.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.

C:\Django\pjt\WsProject>
```

관리자 계정

계정 : blogstudy

메일 : blogstudy@naver.com

암호 : blogstudy1234



```
C:\Users\ho_msi>cd C:\Django\pjt\WsProject

C:\Django\pjt\WsProject>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).
June 28, 2019 - 10:57:02
Django version 2.2.2, using settings 'studentsProject.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CTRL-BREAK.
_
```

웹서버 실행



5-7. 관리자 페이지 접속



http://127.0.0.1:8000/admin/

Log in | Django site admin

127.0.0.1:8000/admin/login/?next=/admin/

Django administration

Username:

Password:

Log in



Site administration | Django site

127.0.0.1:8000/admin/

Django administration

WELCOME, **BLOGSTUDY**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#) [Change](#)

Users [+ Add](#) [Change](#)

STUDENTS

Students [+ Add](#) [Change](#)

Recent actions

My actions

None available



5-8. Django 인트로(시작) 페이지 접속



http://127.0.0.1:8000

