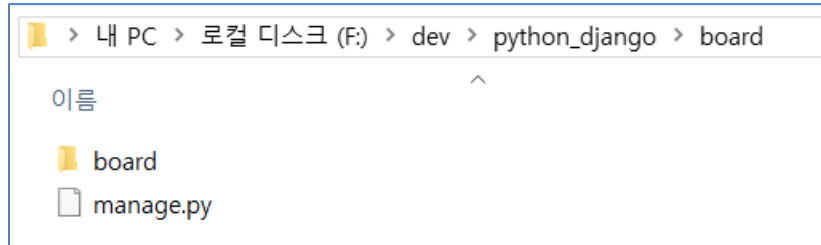


## ■ 프로젝트 생성

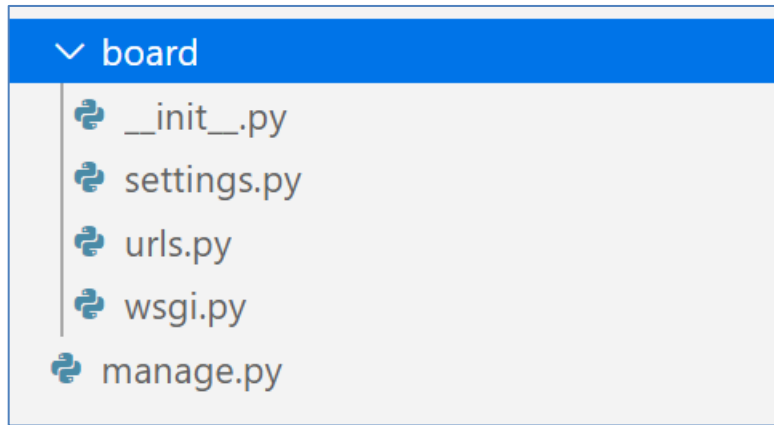
### ● django-admin startproject board

```
PS F:\dev\python_django> django-admin startproject board
PS F:\dev\python_django> cd board
PS F:\dev\python_django\board> []
```

### ● Windows 탐색기



### ● VS Code



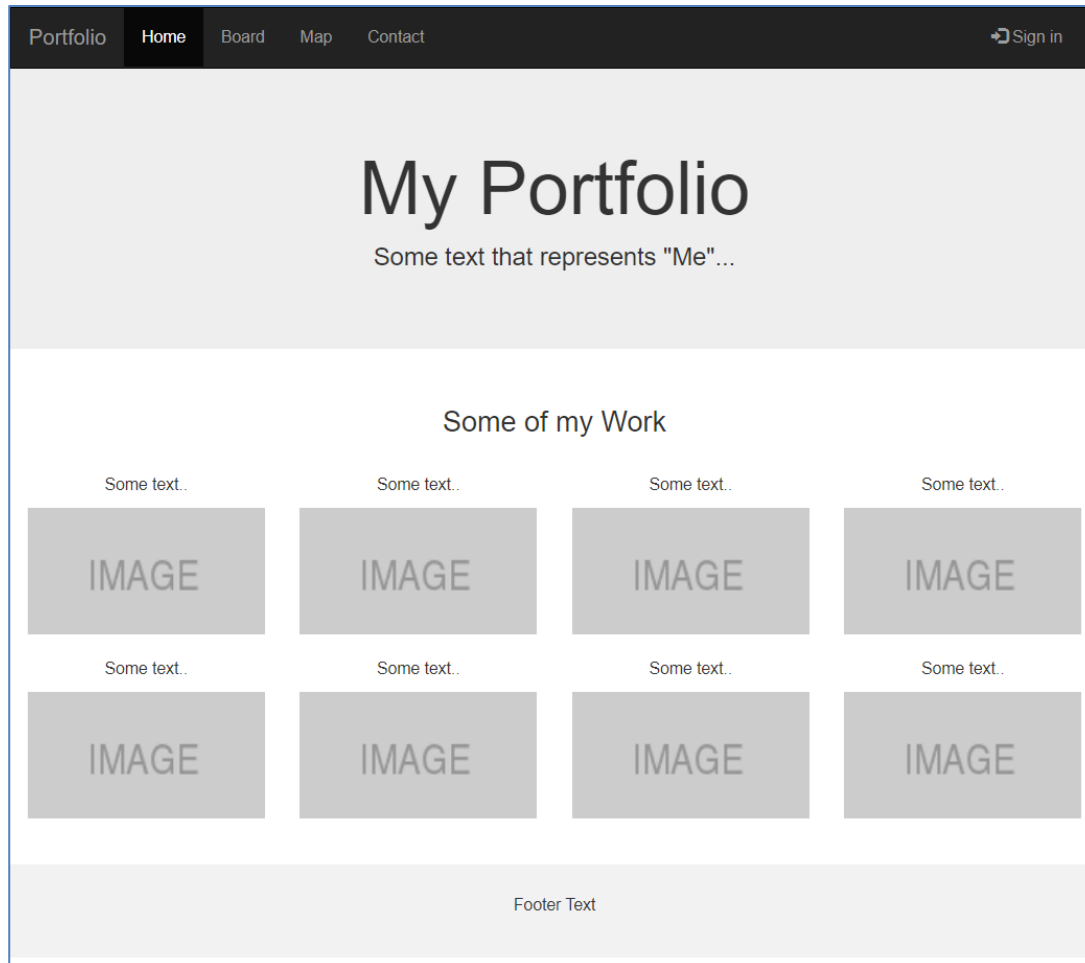
## ■ Board

### ● 기능

- 회원가입, 로그인
- 게시판
  - 작성 / 조회(목록,상세내용) / 수정 / 삭제
- 지도
  - 카카오 지도를 이용한 특정 위치를 기준으로 반경 10KM 이내 지점 표시
- 이메일 발송
  - 구글 SMTP를 이용한 건의사항/의견 제출

■ Board

● Home



# ■ Board

## ● 회원가입 / 로그인

Portfolio

Home

Board

Map

Contact

Sign in

Email:

Password:

Name:

Sign Up

Footer Text

Portfolio

Home

Board

Map

Contact

Sign in

Email

Password

Sign in

Sign up

Footer Text

# ■ Board

## ● 게시판

PortfolioHomeBoardMapContact

Sign in

번호	제목	작성자
6	4455	seorab@naver.com
5	444	seorab@naver.com
4	33333	seorab@naver.com

글쓰기

PortfolioHomeBoardMapContact

Sign in

6번

4455

5

seorab@naver.com

목록수정삭제

Footer Text

PortfolioHomeBoardMapContact

Sign in

Title:

4455

Content:

5

글쓰기

PortfolioHomeBoardMapContact

Sign in

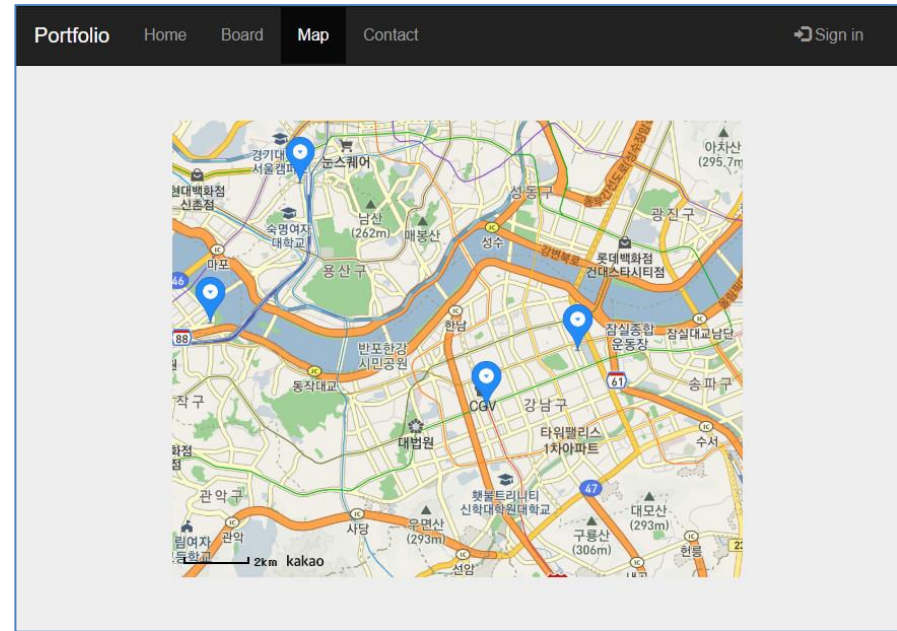
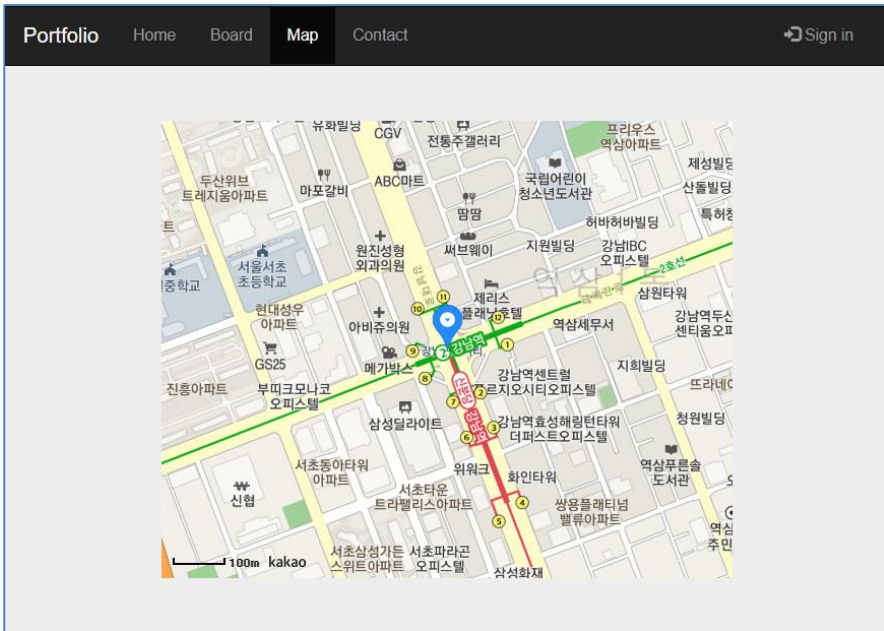
Title:

Content:

글쓰기

# Board

## 지도



## ■ Board

### ● 이메일 발송

Portfolio

Home

Board

Map

Contact

→ Sign in

Email:

Comment:

발송

Footer Text

## ■ Home

### ● 필요 기술 / 라이브러리

- HTML Design (bootstrap)
- Django View (views.py)
- Django Template : 공통(중복) 레이아웃 처리



# ■ Home

● <https://www.w3schools.com> → Learn Bootstrap → B3 → BS Templates

Home HTML CSS JAVASCRIPT SQL MORE REFERENCES EXERCISES

BS Popover  
BS Scrollspy  
BS Affix  
BS Filters

**Bootstrap Grids**  
BS Grid System  
BS Stacked/Horizontal  
BS Grid Small  
BS Grid Medium  
BS Grid Large  
BS Grid Examples

**Bootstrap Themes**  
**BS Templates**  
BS Theme "Simply Me"  
BS Theme "Company"  
BS Theme "Band"

**Bootstrap Examples**  
BS Examples  
BS Quiz

**Blog:**

**Portfolio:**

**Webpage:**

**Social:**

Try it Yourself >>

Try it Yourself >>

Try it Yourself >>

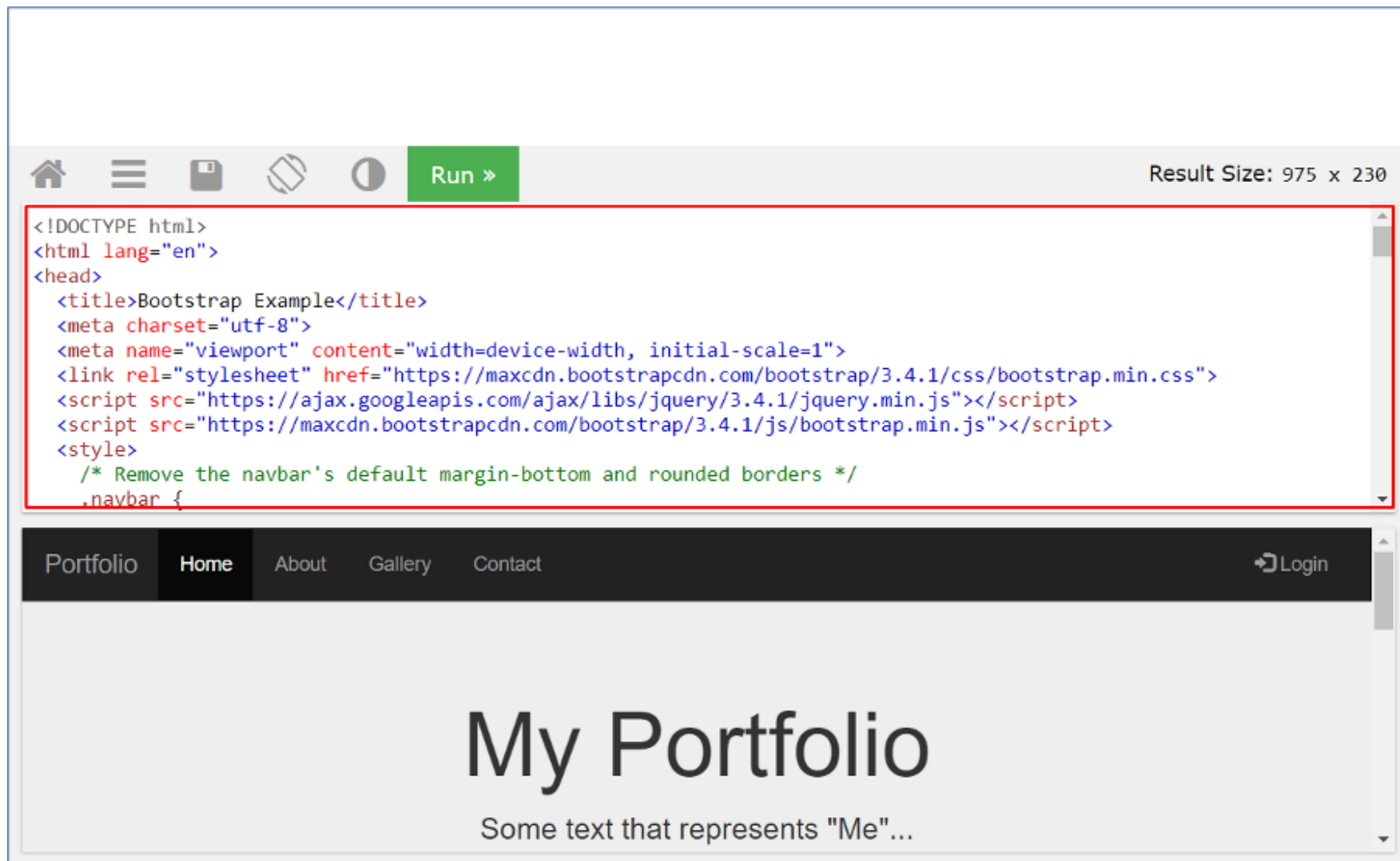
Try it Yourself >>

Accordions  
Side Navigation  
Top Navigation  
Modal  
Boxes  
Progress Bars  
Parallax  
Login Form  
HTML Includes  
Google Maps  
Range  
Sliders  
Tooltips  
Slideshow  
Filter List  
Sort List

SHARE

## ■ Home

### ● 코드 복사



The screenshot displays a web browser interface. The top toolbar includes icons for home, menu, save, print, and a 'Run' button. The 'Result Size' is indicated as 975 x 230. The main content area is divided into two sections. The upper section contains HTML code for a Bootstrap example, with a red border highlighting the code block. The lower section shows the rendered output of the code, which is a portfolio page.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
  <style>
    /* Remove the navbar's default margin-bottom and rounded borders */
    .navbar {
```

Portfolio Home About Gallery Contact Login

# My Portfolio

Some text that represents "Me"...

## ■ Home

### ● templates/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  ...
</head>
<body>
<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      ...
    </div>
  </div>
</nav>
<div class="jumbotron">
  <div class="container text-center">
    ...
  </div>
</div>
...
</body>
</html>
```

- ▼ board
  - > \_\_pycache\_\_
  - 🔗 \_\_init\_\_.py
  - 🔗 settings.py
  - 🔗 urls.py
  - 🔗 views.py
  - 🔗 wsgi.py
- ▼ templates
  - <> index.html
- ≡ db.sqlite3
- 🔗 manage.py

## ■ Home

### ● board/settings.py

```
"""
Django settings for board project.

...
import os
...
ALLOWED_HOSTS = []
...
TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': ['templates'],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    ],
]
...
```

## ■ Home

### ● board/views.py

```
from django.http import HttpResponse
from django.shortcuts import render

def index(request):
    return render(request, 'index.html')
```

### ● board/urls.py

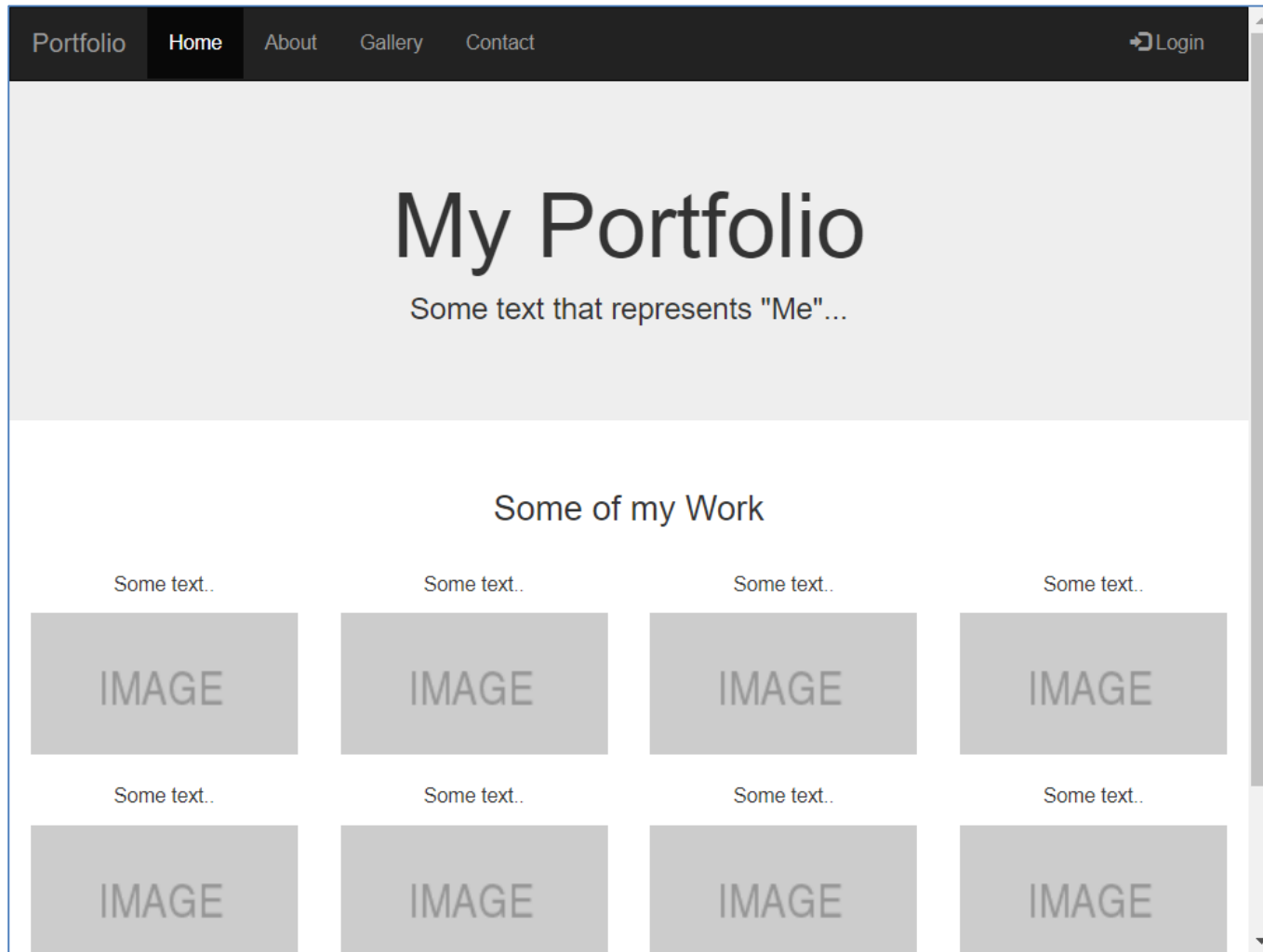
```
from django.contrib import admin
from django.urls import path
import board.views as views

urlpatterns = [
    path('admin/', admin.site.urls),
    path('index/', views.index),
]
```

- ▼ board
  - > \_\_pycache\_\_
  - 🔗 \_\_init\_\_.py
  - 🔗 settings.py
  - 🔗 urls.py
  - 🔗 views.py**
  - 🔗 wsgi.py
- ▼ templates
  - <> index.html
- ≡ db.sqlite3
- 🔗 manage.py

## ■ Home

● <http://localhost:8000>



## ■ Template 공통 레이아웃 분리

### templates/index.html

```
{% extends 'base.html' %}
{% block content %}
<div class="jumbotron">
    ...
</div>

<div ... >
    ...
</div><br>

<div ... >
    ...
</div><br><br>
{% endblock %}
```



### templates/base.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    ...
</head>
<body>

<nav class="navbar navbar-inverse">
    ...
</nav>

{% block content %}
{% endblock %}

<footer ... >
    <p>Footer Text</p>
</footer>

</body>
</html>
```