

11장 콘텐츠 편집 기능(Bookmark, Blog앱)

(1) 모델코딩하기

① bookmark/models.py 코딩 추가하기(owner 필드)

```
models.py
1 from django.db import models
2 from django.contrib.auth.models import User
3
4 # Create your models here.
5 # <model> 클래스
6 class Bookmark(models.Model):
7     title = models.CharField('TITLE', max_length=100, blank=True) # models.CharField = 오라클의 VARCHAR2 #verbose_name
8     url = models.URLField('URL', unique=True)
9     owner = models.ForeignKey(User, on_delete=models.CASCADE, blank=True, null=True)
10
11     def __str__(self): #객체표현 양식
12         return self.title
```

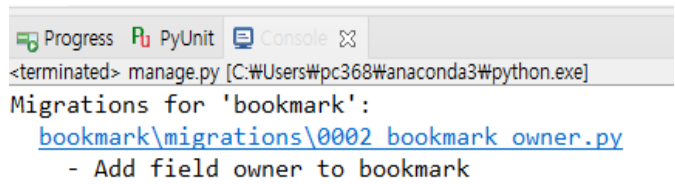
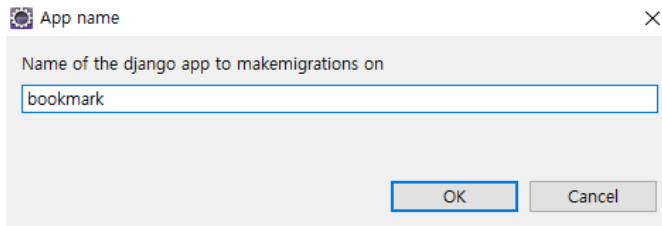
② blog/models.py 코딩 추가하기(owner 필드)

```
models.py
1 from django.db import models
2 from django.urls import reverse
3 from taggit.managers import TaggableManager
4
5 from django.contrib.auth.models import User
6 from django.utils.text import slugify
7
8 class Post(models.Model):
9     title = models.CharField(verbose_name='TITLE', max_length=50)
10     slug = models.SlugField('SLUG', unique=True, allow_unicode=True, help_text='one word for title alias.')
11     description = models.CharField('DESCRIPTION', max_length=100, blank=True, help_text='simple description text.')
12     content = models.TextField('CONTENT')
13     create_dt = models.DateTimeField('CREATE DATE', auto_now_add=True)
14     modify_dt = models.DateTimeField('MODIFY DATE', auto_now=True)
15     tags = TaggableManager(blank=True)
16     owner = models.ForeignKey(User, on_delete=models.CASCADE, verbose_name='OWNER', blank=True, null=True)
17
18     class Meta:
19         verbose_name = 'post'
20         verbose_name_plural = 'posts' #plural은 복수명칭, 여러개있다면 posts
21         db_table = 'blog_posts'
22         ordering = ('-modify_dt',) #수정일자를 내림차순으로 (-), 튜플형태로 지정(), 여러개가 들어갈 수 있으니 콤마를 찍어줌
23
24     def __str__(self): #객체를 표현하는 방식
25         return self.title
26
27     def get_absolute_url(self):
28         return reverse('blog:post_detail', args=(self.slug,))
29
30     def get_previous(self): #이전으로 가기
31         return self.get_previous_by_modify_dt()
32
33     def get_next(self): #이후로 가기
34         return self.get_next_by_modify_dt()
35
36     def save(self, *args, **kwargs):
37         self.slug = slugify(self.title, allow_unicode=True)
38         super().save(*args, **kwargs)
```

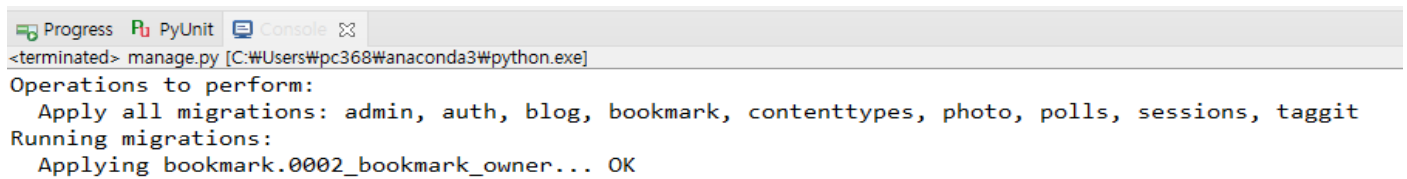
(2) 데이터베이스에 반영

① bookmark

- Make Migrations~

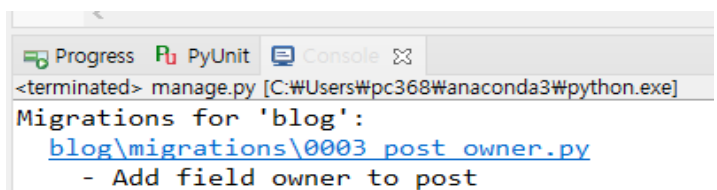
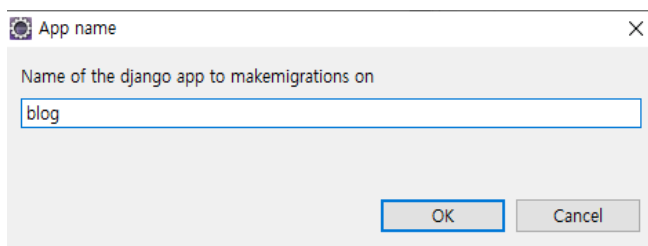


- Migrate ~

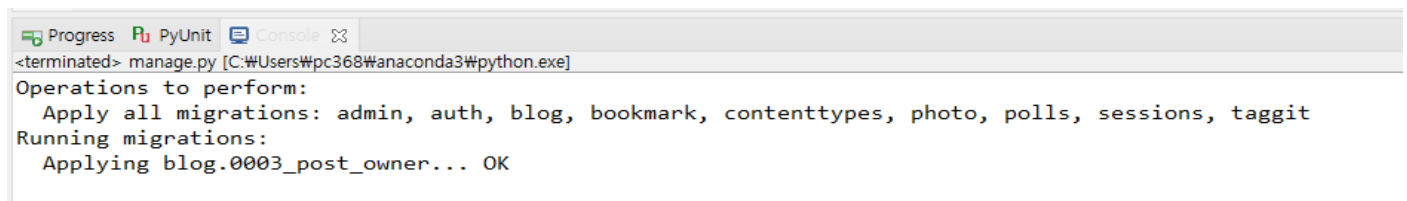


② blog

- Make Migrations ~

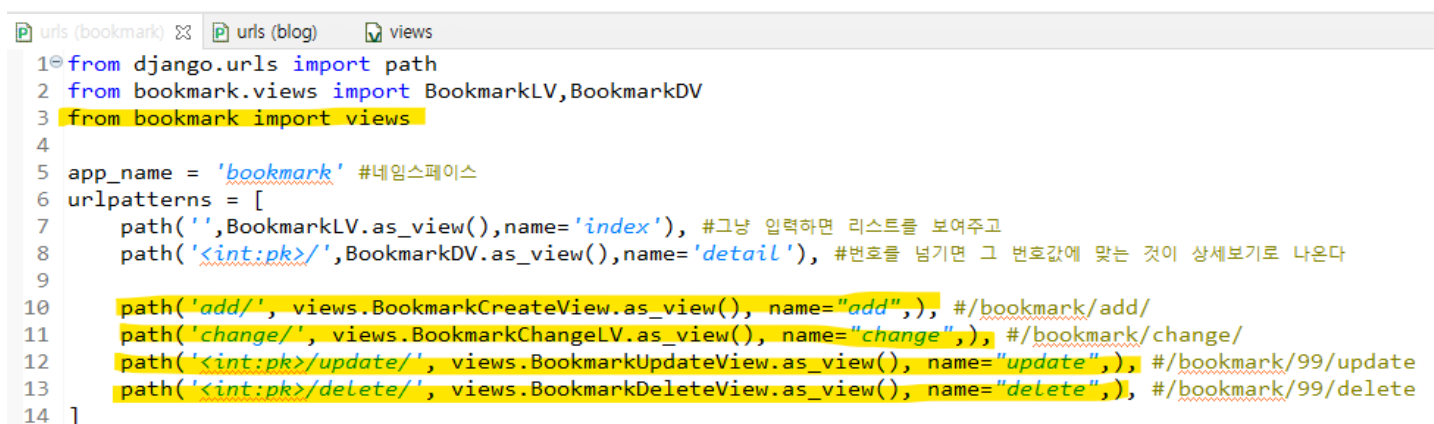


- Migrate ~



(3) URLconf 코딩하기

① bookmark/urls.py 코딩 추가하기

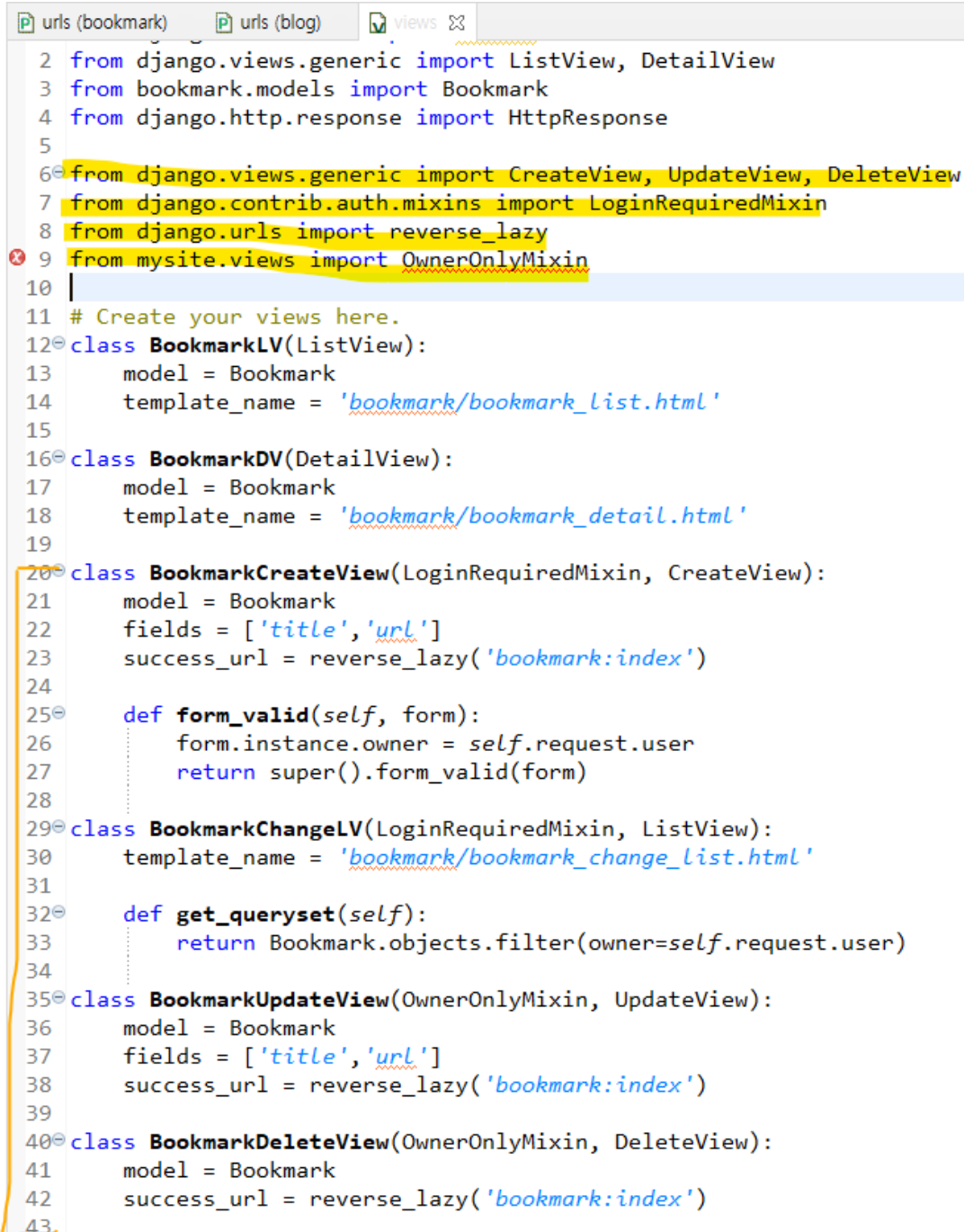


② blog/urls.py 코딩 추가하기

```
19 path('add/', views.PostCreateView.as_view(), name="add"), #/blog/add/
20 path('change/', views.PostChangeLV.as_view(), name="change"), #/blog/change/
21 path('<int:pk>/update/', views.PostUpdateView.as_view(), name="update"), #/blog/99/update/
22 path('<int:pk>/delete/', views.PostDeleteView.as_view(), name="delete"), #/blog/99/delete/
23 ]]
```

(4) 뷰 코딩하기

① bookmark/views.py 코딩 추가하기



```
2 from django.views.generic import ListView, DetailView
3 from bookmark.models import Bookmark
4 from django.http.response import HttpResponseRedirect
5
6 from django.views.generic import CreateView, UpdateView, DeleteView
7 from django.contrib.auth.mixins import LoginRequiredMixin
8 from django.urls import reverse_lazy
9 from mysite.views import OwnerOnlyMixin
10
11 # Create your views here.
12 class BookmarkLV(ListView):
13     model = Bookmark
14     template_name = 'bookmark/bookmark_list.html'
15
16 class BookmarkDV(DetailView):
17     model = Bookmark
18     template_name = 'bookmark/bookmark_detail.html'
19
20 class BookmarkCreateView(LoginRequiredMixin, CreateView):
21     model = Bookmark
22     fields = ['title', 'url']
23     success_url = reverse_lazy('bookmark:index')
24
25     def form_valid(self, form):
26         form.instance.owner = self.request.user
27         return super().form_valid(form)
28
29 class BookmarkChangeLV(LoginRequiredMixin, ListView):
30     template_name = 'bookmark/bookmark_change_list.html'
31
32     def get_queryset(self):
33         return Bookmark.objects.filter(owner=self.request.user)
34
35 class BookmarkUpdateView(OwnerOnlyMixin, UpdateView):
36     model = Bookmark
37     fields = ['title', 'url']
38     success_url = reverse_lazy('bookmark:index')
39
40 class BookmarkDeleteView(OwnerOnlyMixin, DeleteView):
41     model = Bookmark
42     success_url = reverse_lazy('bookmark:index')
43
```

- mysite/views.py 수정하면 액박 사라짐

② blog/views.py 코딩 추가하기

- 임포트 추가(mysite/views.py 수정하면 액박 사라짐)

```

from django.views.generic import CreateView, UpdateView, DeleteView
from django.contrib.auth.mixins import LoginRequiredMixin
from django.urls import reverse_lazy
from mysite.views import OwnerOnlyMixin

```

- 클래스형 뷰 추가

```

95 class PostCreateView(LoginRequiredMixin, CreateView):
96     model = Post
97     fields = ['title', 'slug', 'description', 'content', 'tags']
98     initial = {'slug': 'auto-filling-do-not-input'}
99     #fields = ['title', 'description', 'content', 'tags']
100     success_url = reverse_lazy('blog:index')
101
102     def form_valid(self, form):
103         form.instance.owner = self.request.user
104         return super().form_valid(form)
105
106
107 class PostChangeLV(LoginRequiredMixin, ListView):
108     template_name = 'blog/post_change_list.html'
109
110     def get_queryset(self):
111         return Post.objects.filter(owner=self.request.user)
112
113
114 class PostUpdateView(OwnerOnlyMixin, UpdateView):
115     model = Post
116     fields = ['title', 'slug', 'description', 'content', 'tags']
117     success_url = reverse_lazy('blog:index')
118
119 class PostDeleteView(OwnerOnlyMixin, DeleteView):
120     model = Post
121     success_url = reverse_lazy('blog:index')

```

③ mysite/views.py 변경하기

```

7 from django.contrib.auth.mixins import AccessMixin
8
9 class HomeView(TemplateView):
10     template_name = 'home.html'
11
12 #User Creation
13 class UserCreateView(CreateView):
14     template_name = 'registration/register.html'
15     form_class = UserCreationForm
16     success_url = reverse_lazy('register_done')
17
18 class UserCreateDoneTV(TemplateView):
19     template_name = 'registration/register_done.html'
20
21 class OwnerOnlyMixin(AccessMixin):
22     raise_exception = True
23     permission_denied_message = "Owner only can update/delete the object"
24
25     def get(self, request, *args, **kwargs):
26         self.object = self.get_object()
27         if self.request.user != self.object.owner:
28             self.handle_no_permission()
29         return super().get(request, *args, **kwargs)

```

- OwnerOnlyMixin 클래스는 로그인한 사용자가 콘텐츠의 소유자인지 판별

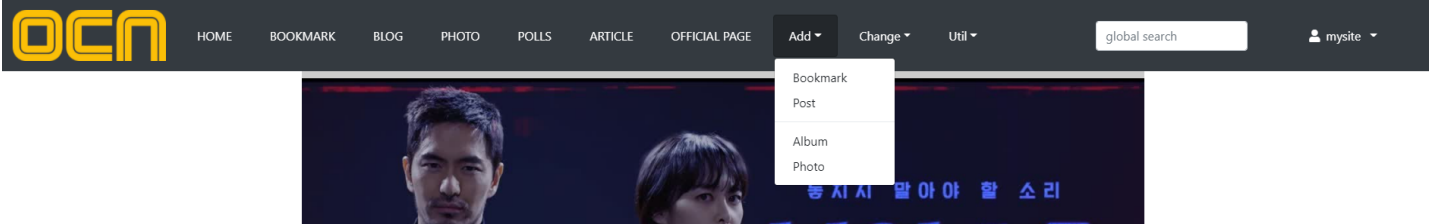
(5) 템플릿 코딩하기

- base.html 코딩 추가

```
39 <a class="nav-link text-white href="#">ARTICLE</a></li>
40 <a class="nav-link text-white" href="http://program.tving.com/tvn/voice4">OFFICIAL PAGE</a></li>
41
42 <!-- 메인 메뉴 Add 추가 -->
43 <li class="nav-item dropdown mx-1 btn btn-dark">
44   <a class="nav-link dropdown-toggle text-white" href="#" data-toggle="dropdown">Add</a>
45   <div class="dropdown-menu">
46     <a class="dropdown-item" href="{% url 'bookmark:add' %}">Bookmark</a>
47     <a class="dropdown-item" href="{% url 'blog:add' %}">Post</a>
48     <div class="dropdown-divider"></div>
49     <a class="dropdown-item" href="">Album</a>
50     <a class="dropdown-item" href="">Photo</a>
51   </div>
52 </li>
53
54 <!-- 메인 메뉴 Change 수정 -->
55 <li class="nav-item dropdown mx-1 btn btn-dark">
56   <a class="nav-link dropdown-toggle text-white" href="#" data-toggle="dropdown">Change</a>
57   <div class="dropdown-menu">
58     <a class="dropdown-item" href="{% url 'bookmark:change' %}">Bookmark</a>
59     <a class="dropdown-item" href="{% url 'blog:change' %}">Post</a>
60     <div class="dropdown-divider"></div>
61     <a class="dropdown-item" href="">Album</a>
62     <a class="dropdown-item" href="">Photo</a>
63   </div>
64 </li>
```



← → 127.0.0.1:8000



- bookmark_form.html

```
1 {% extends "base.html" %}
2 {% load widget_tweaks %}
3 {% block title %}bookmark_form.html{% endblock %}
4
5 {% block content %}
6     <h1>Bookmark Create/Update - {{user}}</h1>
7     <p class="font-italic">This is a creation or update form for your bookmark.</p>
8
9     {% if form.errors %}
10     <div class="alert alert-danger">
11         <div class="font-weight-bold">Wrong! Please correct the error(s) below.</div>
12         {{ form.errors }}
13     </div>
14     {% endif %}
15
16     <form action="." method="post" class="card pt-3">{% csrf_token %}
17     <div class="form-group row">
18         {{ form.title|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
19         <div class="col-sm-5">
20             {{ form.title|add_class:"form-control"|attr:"autofocus" }}
21         </div>
22     </div>
23
24     <div class="form-group row">
25         {{ form.url|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
26         <div class="col-sm-5">
27             {{ form.url|add_class:"form-control" }}
28         </div>
29     </div>
30
31     <div class="form-group">
32     <div class="offset-sm-2 col-sm-5">
33         <input type="submit" value="Submit" class="btn btn-info"/>
34     </div>
35     </div>
36 </form>
37 {% endblock %}
```

- bookmark_change_list.html

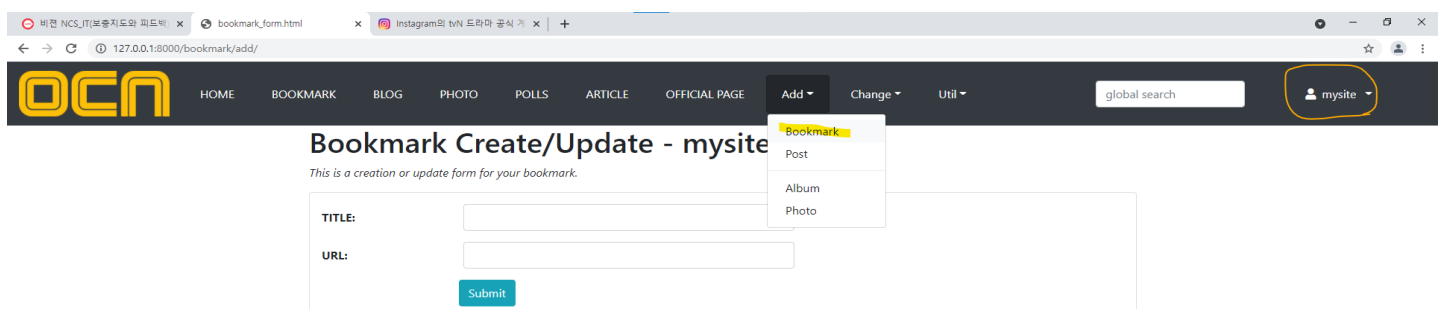
```
1 {% extends "base.html" %}
2 {% block title %}bookmark_change_list.html{% endblock %}
3 {% block content %}
4     <h1>Bookmark Change - {{user}}</h1>
5     <br>
6     <table class="table table-bordered table-condensed table-striped">
7
8         <thead>
9             <tr class="table-primary">
10                 <th>Title</th>
11                 <th>Url</th>
12                 <th>Owner</th>
13                 <th>Update</th>
14                 <th>Delete</th>
15             </tr>
16         </thead>
17
18         <tbody>
19             {% for item in object_list %}
20                 <tr>
21                     <td>{{ item.title }}</td>
22                     <td>{{ item.url }}</td>
23                     <td>{{ item.owner }}</td>
24                     <td><a href="{% url 'bookmark:update' item.id %}">Update</a></td>
25                     <td><a href="{% url 'bookmark:delete' item.id %}">Delete</a></td>
26                 </tr>
27             {% endfor %}
28         </tbody>
29
30     </table>
31 {% endblock %}
```

- bookmark_confirm_delete.html

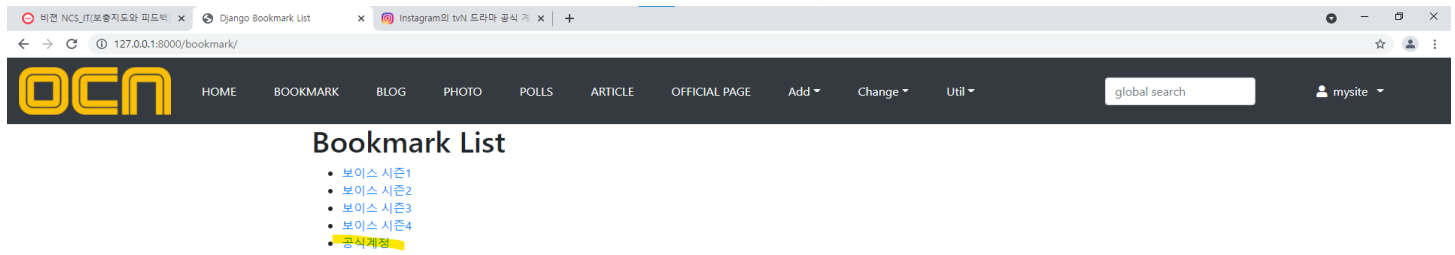
```
1 {% extends "base.html" %}
2 {% block title %}bookmark_confirm_delete.html{% endblock %}
3 {% block content %}
4     <h1>Bookmark Delete</h1>
5     <br>
6     <form action="." method="post">{% csrf_token %}
7         <p>Are you sure you want to delete "{{ object }}"?</p>
8         <input type="submit" value="Confirm" class="btn btn-danger btn-sm" />
9     </form>
10 {% endblock %}
```

▶▶▶ 북마크 점검

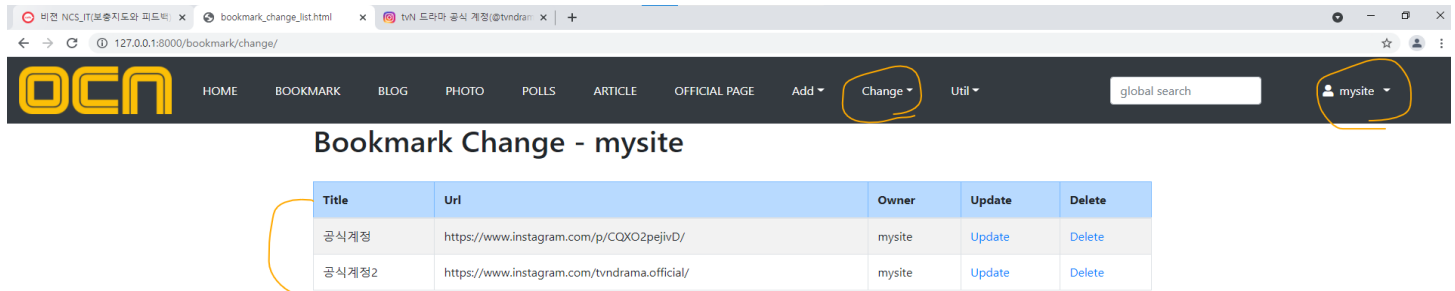
- 북마크 add 폼



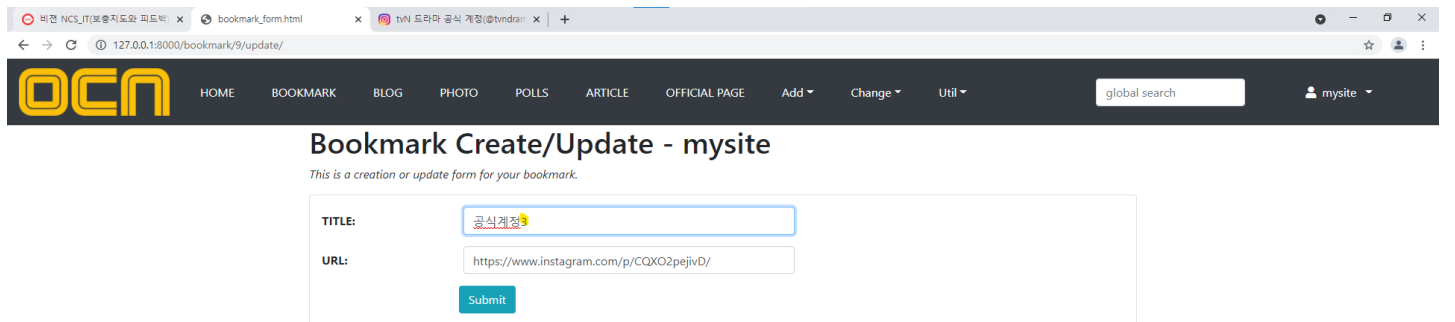
- 추가했을 경우 추가되고 북마크 리스트를 보여준다



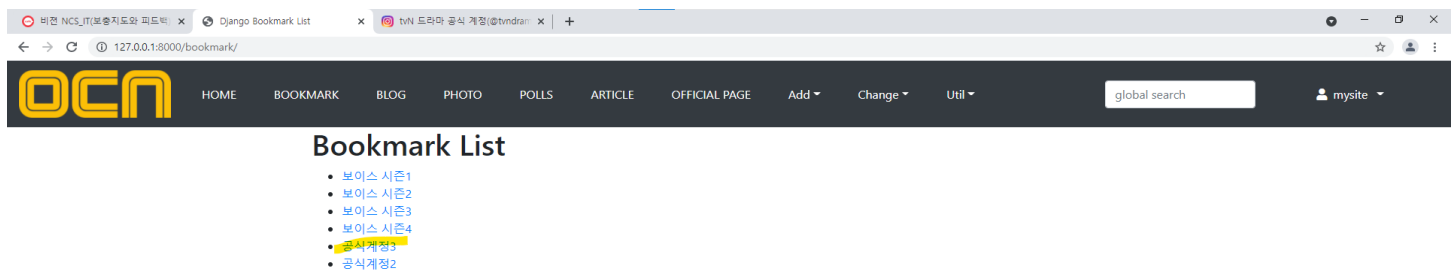
- 북마크 change 폼



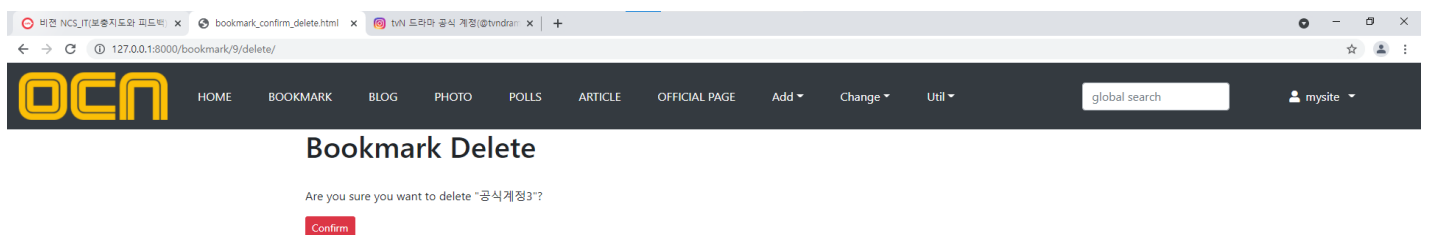
- update를 누를 경우



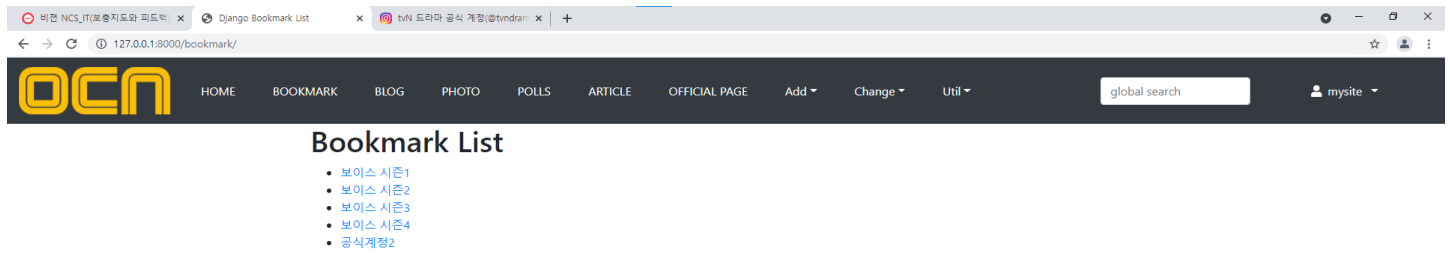
- update 완료



- delete 누를 경우



- delete 완료



- post_form.html

```
1 {% extends "base.html" %}
2 {% load widget_tweaks %}
3 {% block title %}post_form.html{% endblock %}
4 {% block content %}
5     <h1>Post Create/Update - {{user}}</h1>
6     <p class="font-italic">This is a creation or update form for you post.</p>
7
8     {% if form.errors %}
9     <div class="alert alert-danger">
10         <div class="font-weight-bold">Wrong! Please correct the error(s) below.</div>
11         {{ form.errors }}
12     </div>
13 {% endif %}
14
15 <form action="." method="post" class="card pt-3">{% csrf_token %}
16     <div class="form-group row">
17         {{ form.title|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
18         <div class="col-sm-5">
19             {{ form.title|add_class:"form-control"|attr:"autofocus" }}
20         </div>
21     </div>
22
23 <div class="form-group row">
24     {{ form.slug|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
25     <div class="col-sm-5">
26         {{ form.slug|add_class:"form-control"|attr:"readonly" }}
27     </div>
28     <small class="form-text text-muted">{{ form.slug.help_text }}</small>
29 </div>
30
31 <div class="form-group row">
32     {{ form.description|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
33     <div class="col-sm-5">
34         {{ form.description|add_class:"form-control" }}
35     </div>
36     <small class="form-text text-muted">{{ form.description.help_text }}</small>
37 </div>
38
39 <div class="form-group row">
40     {{ form.content|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
41     <div class="col-sm-8">
42         {{ form.content|add_class:"form-control" }}
43     </div>
44 </div>
45
46 <div class="form-group row">
47     {{ form.tags|add_label_class:"col-form-label col-sm-2 ml-3 font-weight-bold" }}
48     <div class="col-sm-5">
49         {{ form.tags|add_class:"form-control" }}
50     </div>
51     <small class="form-text text-muted">{{ form.tags.help_text }}</small>
52 </div>
53
54 <div class="form-group row">
55     <div class="offset-sm-2 col-sm-5">
56         <input type="submit" value="Submit" class="btn btn-info"/>
57     </div>
58 </div>
59
60 </form>
61 {% endblock %}
```

- post_change_list.html

```
1 {% extends "base.html" %}
2 {% block title %}post_change_list.html{% endblock %}
3 {% block content %}
4     <h1>Post Change - {{user}}</h1>
5     <br>
6
7     <table class="table table-bordered table-sm table-striped">
8         <thead>
9             <tr class="table-primary">
10                 <th>Title</th>
11                 <th>Description</th>
12                 <th>Owner</th>
13                 <th>Update</th>
14                 <th>Delete</th>
15             </tr>
16         </thead>
17
18         <tbody>
19             {% for item in object_list %}
20                 <tr>
21                     <td>{{ item.title }}</td>
22                     <td>{{ item.description }}</td>
23                     <td>{{ item.owner }}</td>
24                     <td><a href="{% url 'blog:update' item.id %}">Update</a></td>
25                     <td><a href="{% url 'blog:delete' item.id %}">Delete</a></td>
26                 </tr>
27             {% endfor %}
28         </tbody>
29
30     </table>
31 {% endblock %}
```

- post_confirm_delete.html

```
1 {% extends "base.html" %}
2 {% block title %}post_confirm_delete.html{% endblock %}
3 {% block content %}
4     <h1>Post Delete</h1>
5     <br>
6
7     <form action="." method="post">{% csrf_token %}
8         <p>Are you sure you want to delete "{{ object }}" ?</p>
9         <input type="submit" value="Confirm" class="btn btn-danger btn-sm" />
10     </form>
11 {% endblock %}
```

- 403.html(프로젝트 템플릿 디렉터리에서)

```
1 {% extends "base.html" %}
2 {% block title %}403.html{% endblock %}
3 {% block content %}
4     <h1>Permission Denied (403)</h1>
5     <br>
6
7     <div class="alert alert-danger">
8         <div class="font-weight-bold">{{ exception }}</div>
9     </div>
10 {% endblock content %}
11
```

▶▶▶ 블로그 점검

- 포스트 add 폼

비전 NCS_IT(보충지도와 피드백)

post_form.html

127.0.0.1:8000/blog/add/

OCN

HOME

BOOKMARK

BLOG

PHOTO

POLLS

ARTICLE

OFFICIAL PAGE

Add

Change

Util

global search

mysite

Post Create/Update - mysite

This is a creation or update form for you post.

TITLE:

데릭조

SLUG:

auto-filling-do-not-input

one word for title alias.

DESCRIPTION:

송승헌

simple description text.

CONTENT:

죽음의 현장에서 생명을 살리는 원칙주의 형사. 어린 시절 부모를 잃고 여동생과 함께 미국인 경찰 간부 집에 입양되어 미국에서 성장했다. 현장 통술 능력과 건강한 체격을 바탕으로 LAPD 산하 범죄 현장감식반(CSU) 근무를 시작. 현재 LAPD 올림픽 경찰서 객원담합장을 맡고 있다.

Tags:

데릭조 송승헌 보이스

A comma-separated list of tags.

Submit

- 포스트 추가

비전 NCS_IT(보충지도와 피드백)

Blog PostAll

127.0.0.1:8000/blog/

OCN

HOME

BOOKMARK

BLOG

PHOTO

POLLS

ARTICLE

OFFICIAL PAGE

Add

Change

Util

global search

mysite

Blog List

데릭조

Aug. 18, 2021

송승헌

박중기

Aug. 17, 2021

김중기

Page of 5 [NextPage](#)

- 포스트 change 폼

비전 NCS_IT(보충지도와 피드백)

post_change_list.html

127.0.0.1:8000/blog/change/

OCN

HOME

BOOKMARK

BLOG

PHOTO

POLLS

ARTICLE

OFFICIAL PAGE

Add

Change

Util

global search

mysite

Post Change - mysite

Title	Description	Owner	Update	Delete
데릭조	송승헌	mysite	Update	Delete

- 포스트 update

OCN

HOMEBOOKMARKBLOGPHOTOPOLLSARTICLEOFFICIAL PAGEAddChangeUtil

global search

mysite

Post Create/Update - mysite

This is a creation or update form for you post.

TITLE:

데릭조

SLUG:

데릭조

one word for title alias.

DESCRIPTION:

송승헌

simple description text.

CONTENT:

죽음의 현장에서 생명을 살리는 원칙주의 형사. 어린 시절 부모를 잃고 여동생과 함께 미국인 경찰 간부 집에 입양되어 미국에서 성장했다. 현장 통술 능력과 건장한 체격을 바탕으로 LAPD 산하 범죄 현장감식반(CSU) 근무를 시작, 현재 LAPD 올림픽 경찰서 객전담팀장을 맡고 있다.

Tags:

데릭조, 보이스, 송승헌

A comma-separated list of tags.

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