

회원 관리

멋쟁이사자처럼 11기 운영진 강경아

로그인/로그아웃/회원가입

회원 관리

- 터미널에 `python manage.py startapp account` 입력

```
$ python manage.py startapp account  
(myvenv)
```


회원 관리

- settings.py에 `account.apps.AccountConfig` 입력

```
config > settings.py > ...
29
30
31 # Application definition
32
33 INSTALLED_APPS = [
34     'django.contrib.admin',
35     'django.contrib.auth',
36     'django.contrib.contenttypes',
37     'django.contrib.sessions',
38     'django.contrib.messages',
39     'django.contrib.staticfiles',
40     'blog.apps.BlogConfig',
41     'account.apps.AccountConfig',
42 ]
```

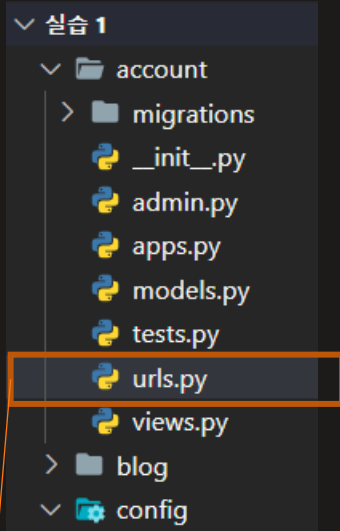
Login

- account app에서 views.py 작성

```
account >  views.py > ...  
1  from django.shortcuts import render  
2  from django.contrib.auth.forms import AuthenticationForm, UserCreationForm  
3  
4  # Create your views here.  
5  def login_view(request):  
6      form = AuthenticationForm()  
7      return render(request, 'login.html', {'form': form})  
8
```

Login

- Account app의 `urls.py`에 작성



`urls.py` 추가하기

```
account > urls.py > ...  
1 from django.urls import path  
2 from . import views  
3  
4 urlpatterns=[  
5     path('login/', views.login_view, name='login')  
6 ]
```

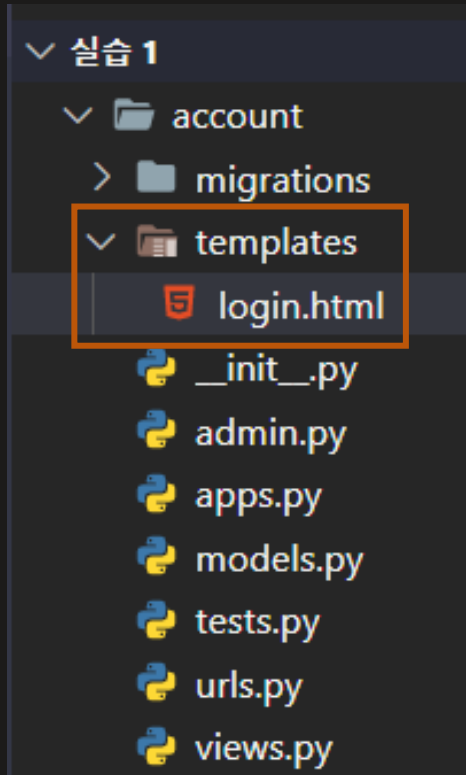
Login

- Config의 urls.py에 입력

```
20 urlpatterns = [  
21     path('admin/', admin.site.urls),  
22     path('', views.index, name="index"),  
23     path('blog/', include('blog.urls')),  
24     path('account/', include('account.urls')),  
25 ]
```

Login

- templates와 login.html 추가하기



Login

- login.html 작성

account > templates > login.html > ...

```
1 {% block content %}
2  <form action="" method="POST">
3      {% csrf_token %}
4      {{ form.as_p }}
5      <input type="submit" value="로그인"><button type="submit">Log In</button>
6  </form>
7  {% endblock %}
```

Login

- nav.html에 작성

```
blog > templates > nav.html > a
1  <a href="{% url login %}">로그인</a>
```

login

- `views.py` 수정

```
account > views.py > login_view
1  from django.shortcuts import render, redirect
2  from django.contrib.auth.forms import AuthenticationForm, UserCreationForm
3  from django.contrib.auth import authenticate, login
4
5  # Create your views here.
6  def login_view(request):
7      form = AuthenticationForm(request=request, data=request.POST)
8      if form.is_valid():
9          username = form.cleaned_data['username']
10         password = form.cleaned_data['password']
11         user = authenticate(request=request, username=username, password=password)
12         if user is not None:
13             login(request, user)
14             return redirect('index')
15         else:
16             form = AuthenticationForm()
17             return render(request, 'login.html', {'form': form})
18
```


logout

- views.py 입력

```
account > views.py > login_view
1  from django.shortcuts import render, redirect
2  from django.contrib.auth.forms import AuthenticationForm, UserCreationForm
3  from django.contrib.auth import authenticate, login, logout
4
5  # Create your views here.
6  def login_view(request):
7      form = AuthenticationForm(request=request, data=request.POST)
8      if form.is_valid():
9          username = form.cleaned_data['username']
10         password = form.cleaned_data['password']
11         user = authenticate(request=request, username=username, password=password)
12         if user is not None:
13             login(request, user)
14             return redirect('index')
15         else:
16             form = AuthenticationForm()
17             return render(request, 'login.html', {'form': form})
18
19  def logout_view(request):
20      logout(request)
21      return redirect('index')
```

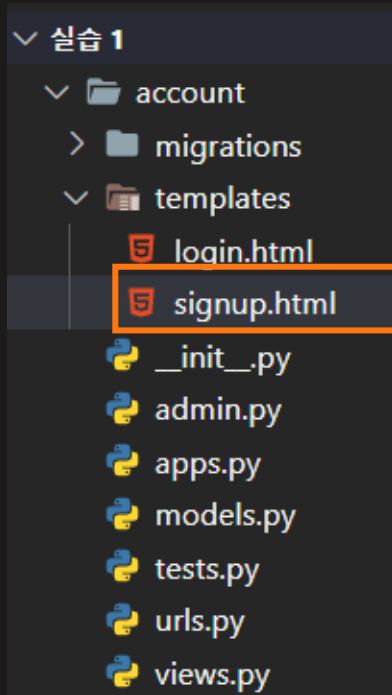
Logout

- account의 urls.py 수정

```
account >  urls.py > ...  
1  from django.urls import path  
2  from . import views  
3  
4  urlpatterns=[  
5      path('login/', views.login_view, name='login'),  
6      path('logout/', views.logout_view, name='logout'),  
7  ]
```

Signup

- account에 signup.html 추가




Signup

- signup.html에 입력

```
account > templates >  signup.html > ...  
1 {% block content %}  
2 <form action="" method="POST">  
3     {% csrf_token %}  
4     {{form.as_p}}  
5     <input type="submit" value="가입하기">  
6 </form>  
7 {% endblock %}
```

Signup & Logout



- nav.html 수정

blog > templates >  nav.html > ...

```
1  {% if not user.is_authenticated %}  
2  <a href="{% url 'login' %}">로그인</a>/<a href="{% url 'signup' %}">회원가입</a>  
3  {% endif %}  
4  {% if user.is_authenticated %}  
5  <a href="{% url 'login' %}">로그인</a>/<a href="{% url 'logout' %}">로그아웃</a>  
6  {% endif %}
```


Signup

- Account의 models.py에 모델 작성

```
blog >  models.py >  CustomUser
1  from django.db import models
2  from django.contrib.auth.models import AbstractUser
3
4  # Create your models here.
5  class CustomUser(AbstractUser):
6      major=models.CharField(max_length=50)
7      grade=models.CharField(max_length=50)
8      age=models.CharField(max_length=50)
```

Signup

- settings.py에 입력

```
AUTH_USER_MODEL = 'account.CustomUser'
```

Signup

- migrations 하기

```
$ python manage.py makemigrations
Migrations for 'account':
  account\migrations\0001_initial.py
    - Create model CustomUser
(myvenv)
```

Signup

- Admin, urls.py 주석처리

```
INSTALLED_APPS = [  
#     'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'blog.apps.BlogConfig',  
    'account.apps.AccountConfig',  
]
```

```
16 #from django.contrib import admin  
17 from django.urls import path, include  
18 from blog import views  
19  
20 urlpatterns = [  
21     #path('admin/', admin.site.urls),  
22     path('', views.index, name="index"),  
23     path('blog/', include('blog.urls')),  
24     path('account/', include('account.urls')),  
25 ]  
26
```

- Superuser과 충돌이 일어남

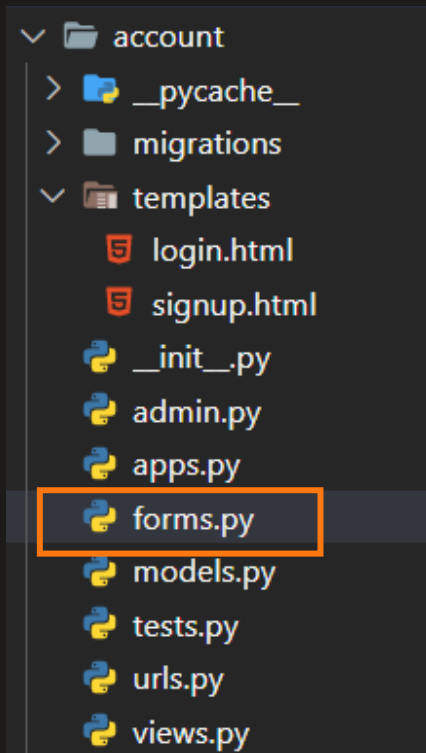
Signup

- migrate 하기

```
$ python manage.py migrate
Operations to perform:
  Apply all migrations: account, auth, contenttypes, sessions
Running migrations:
  Applying account.0001_initial... OK
(myvenv)
```

Signup

- forms.py 추가



Signup Form

- Forms.py에 코드 입력

```
account > 🐍 forms.py > ...
1  from django.contrib.auth.forms import UserCreationForm
2  from .models import CustomUser
3
4  class SignupForm(UserCreationForm):
5      class Meta:
6          model = CustomUser
7          fields = ['username', 'password1', 'password2', 'major', 'grade', 'age']
8
```


Signup Form

- Account의 views.py 작성

```
account > views.py > signup_view
1  from django.shortcuts import render, redirect
2  from django.contrib.auth.forms import AuthenticationForm, UserCreationForm
3  from django.contrib.auth import authenticate, login, logout
4  from .forms import SignupForm
5
6  # Create your views here.
7  def login_view(request):
8      form = AuthenticationForm(request=request, data=request.POST)
9      if form.is_valid():
10         username = form.cleaned_data['username']
11         password = form.cleaned_data['password']
12         user = authenticate(request=request, username=username, password=password)
13         if user is not None:
14             login(request, user)
15             return redirect('index')
16         else:
17             form = AuthenticationForm()
18             return render(request, 'login.html', {'form': form})
19
20  def logout_view(request):
21      logout(request)
22      return redirect('index')
23
24  def signup_view(request):
25      if request.method == "POST":
26         form = SignupForm(request.POST)
27         if form.is_valid():
28             user = form.save()
29             login(request, user)
30             return redirect('index')
31         else:
32             form = SignupForm()
33             return render(request, 'signup.html', {'form': form})
```


Signup Form

- Urls.py에 경로 추가

```
account >  urls.py > ...  
1  from django.urls import path  
2  from . import views  
3  
4  urlpatterns=[  
5      path('login/', views.login_view, name='login'),  
6      path('logout/', views.logout_view, name='logout'),  
7      path('signup/', views.signup_view, name="signup"),  
8  ]
```

Signup form

- Account 폴더의 admin.py에 작성

```
account >  admin.py
1  from django.contrib import admin
2  from .models import CustomUser
3
4  # Register your models here.
5  admin.site.register(CustomUser)
6
```