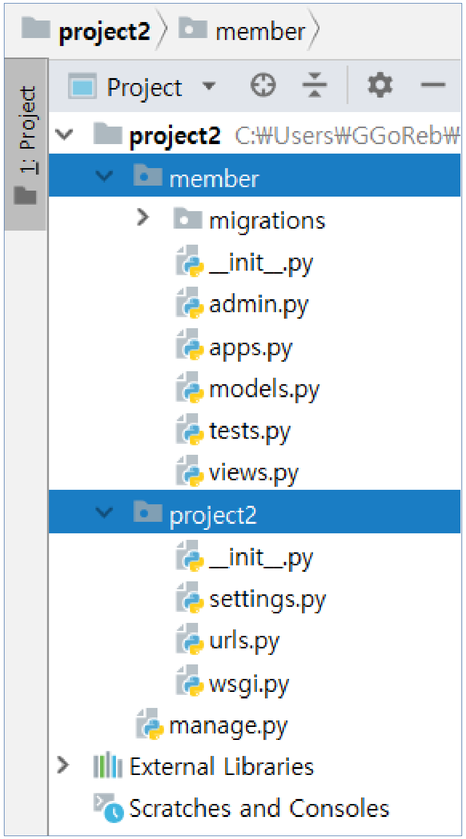
■ 회원가입 / 로그인

● 프로젝트 / 앱 생성

- django-admin startproject project2
- python manage.py startapp member



```
project2  C:₩Users₩GGoReb₩
  member
    migrations
    __init__.py
    admin.py
    apps.py
    models.py
    tests.py
    views.py
  project2
    __init__.py
    settings.py
    urls.py
    wsgi.py
  manage.py
External Libraries
Scratches and Consoles
```

■ 회원가입

● 회원 정보 입력 페이지

– member/templates/member/join.html

```
<form method="post">
    {% csrf_token %}
    아이디 : <input type="text" name="user_id"><br>
    비밀번호 : <input type="text" name="user_pw"><br>
    이름 : <input type="text" name="user_name"><br>
    <input type="submit" value="가입">
</form>
```

– member/views.py

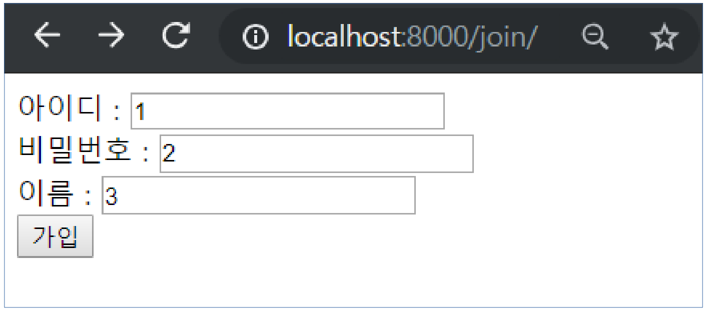
```
def join(request):
    if request.method == 'GET':
        return render(request, 'member/join.html', {})
    else:
        user_id = request.POST['user_id']
        user_pw = request.POST['user_pw']
        user_name = request.POST['user_name']
        return HttpResponse('가입 완료' + user_id + user_pw + user_name)
```

■ 회원가입

● 회원 정보 입력 페이지

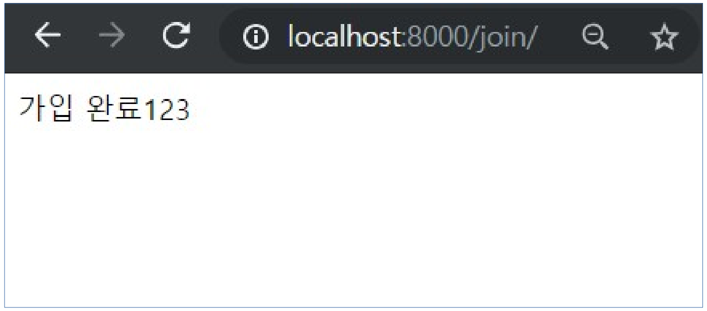
– project2/urls.py

```
from django.contrib import admin
from django.urls import path
from member.views import *

urlpatterns = [
    path('admin/', admin.site.urls),
    path('join/', join, name='join'),
]
```



localhost:8000/join/

아이디 : 1
비밀번호 : 2
이름 : 3



localhost:8000/join/

가입 완료123

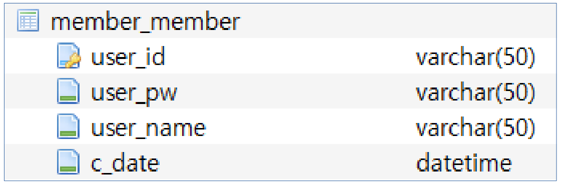
■ 회원가입

● 회원 정보 저장

- member/models.py

```
from django.db import models

class Member(models.Model):
    user_id = models.CharField(max_length=50, primary_key=True)
    user_pw = models.CharField(max_length=50)
    user_name = models.CharField(max_length=50)
    c_date = models.DateTimeField()
```

- python manage.py makemigrations
- python manage.py migrate



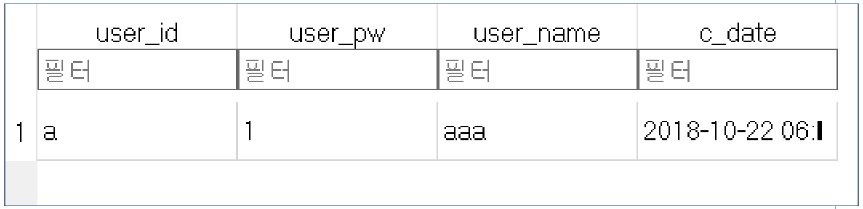
member_member	
user_id	varchar(50)
user_pw	varchar(50)
user_name	varchar(50)
c_date	datetime

■ 회원가입

● 회원 정보 저장 – 1 (Member 생성 및 저장)

– member/views.py

```
from django.shortcuts import render
from django.http import HttpResponse
from .models import Member
from django.utils import timezone

def join(request):
    if request.method == 'GET':
        return render(request, 'member/join.html', {})
    else:
        user_id = request.POST['user_id']
        user_pw = request.POST['user_pw']
        user_name = request.POST['user_name']

        member = Member(user_id=user_id, user_pw=user_pw, user_name=user_name)
        member.c_date = timezone.now()
        member.save()

        return HttpResponse('가입 완료' + user_id + user_pw + user_name)
```



	user_id	user_pw	user_name	c_date
	필터	필터	필터	필터
1	a	1	aaa	2018-10-22 06:

■ 회원가입

● 회원 정보 저장 – 2 (form 활용)

– member/forms.py

```
from django.forms import forms, TextInput, PasswordInput
import django.forms as forms
from .models import Member

class JoinForm(forms.ModelForm):
    class Meta:
        model = Member
        fields = ['user_id', 'user_pw', 'user_name']
        widgets = {
            'user_id': TextInput(),
            'user_pw': PasswordInput(),
            'user_name': TextInput()
        }
```

■ 회원가입

● 회원 정보 저장 – 2 (form 활용)

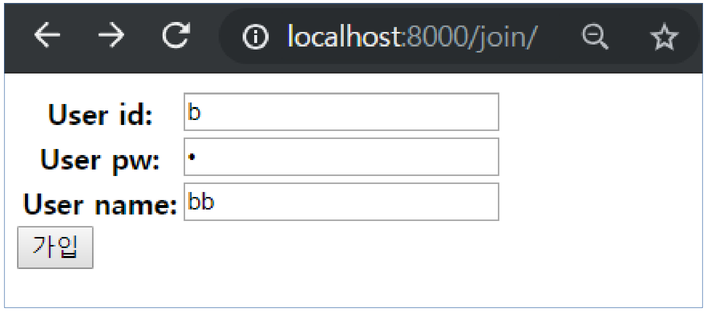
– member/views.py

```
...
def join(request):
    if request.method == 'GET':
        form = JoinForm()
        return render(request, 'member/join.html', {'form': form})
    else:
        form = JoinForm(request.POST)
        if form.is_valid():
            member = form.save(commit=False)
            member.c_date = timezone.now()
            member.save()
            return HttpResponse('가입 완료')
        else:
            return HttpResponse('오류')
```

■ 회원가입

- 회원 정보 저장 – 2 (form 활용)
  - member/templates/member/join.html

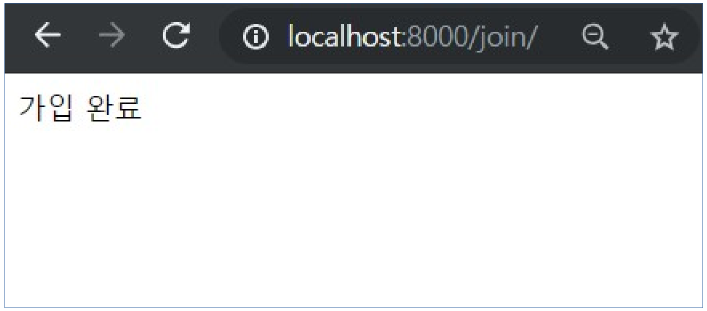
```
<form method="post">
    {% csrf_token %}
    <table>
        {{ form.as_table }}
    </table>
    <input type="submit" value="가입">
</form>
```



User id: b

User pw: •

User name: bb



가입 완료

로그인

로그인 페이지

- member/templates/member/login.html

```
<form method="post">
    {% csrf_token %}
    <table>
        {{ form.as_table }}
    </table>
    <input type="submit" value="로그인">
</form>
```

- member/forms.py

```
class LoginForm(forms.ModelForm):
    class Meta:
        model = Member
        fields = ['user_id', 'user_pw']
        widgets = {
            'user_id': TextInput(),
            'user_pw': PasswordInput(),
        }
```

■ 로그인

● 로그인 페이지

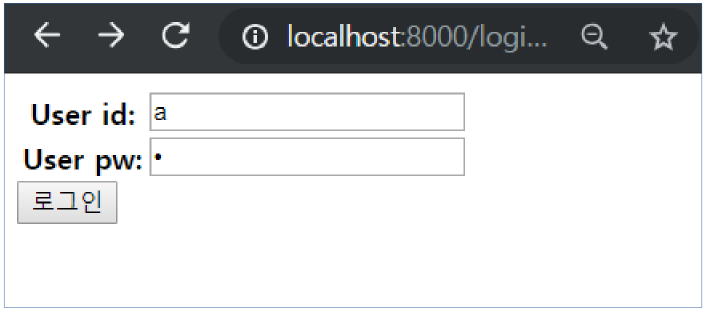
– member/views.py

```
def login(request):
    if request.method == 'GET':
        form = LoginForm()
        return render(request, 'member/login.html', {'form': form})
    else:
        user_id = request.POST['user_id']
        user_pw = request.POST['user_pw']
        member = Member.objects.get(user_id=user_id, user_pw=user_pw)
        if member:
            return HttpResponse('로그인 성공')
        else:
            return HttpResponse('로그인 실패')
```

■ 로그인

● 로그인 페이지

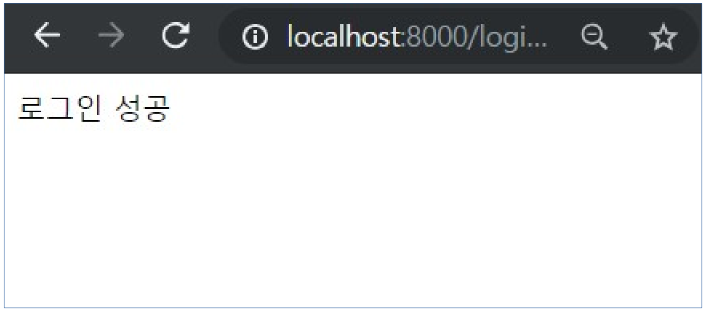
– 입력 정보가 맞는 경우



localhost:8000/logi...

User id: a

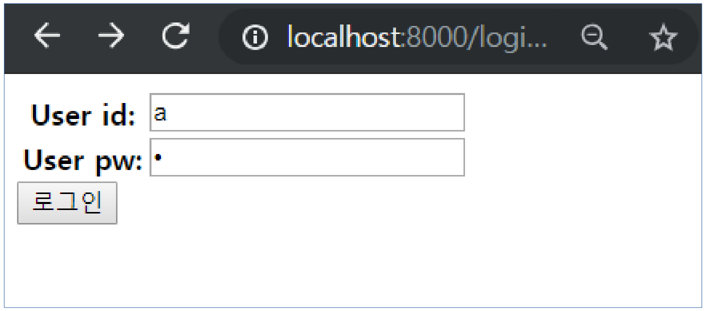
User pw: •



localhost:8000/logi...

로그인 성공

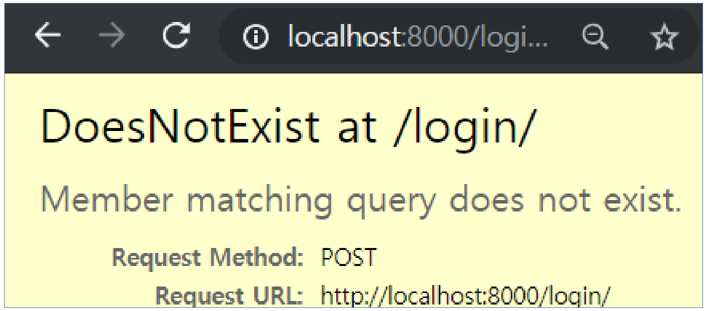
– 입력 정보가 맞지 않는 경우



localhost:8000/logi...

User id: a

User pw: •



localhost:8000/logi...

DoesNotExist at /login/

Member matching query does not exist.

Request Method: POST

Request URL: http://localhost:8000/login/

■ 로그인

● 로그인 페이지

– member/views.py

```
def login(request):
    if request.method == 'GET':
        form = LoginForm()
        return render(request, 'member/login.html', {'form': form})
    else:
        user_id = request.POST['user_id']
        user_pw = request.POST['user_pw']

        try:
            Member.objects.get(user_id=user_id, user_pw=user_pw)
        except Member.DoesNotExist:
            return HttpResponse('로그인 실패')
        else:
            return HttpResponse('로그인 성공')
```

■ 로그인

● 로그인 후 메인페이지 이동

– member/templates/member/main.html

```
<h1>Main</h1>
```

– member/views.py

```
def main(request):
    return render(request, 'member/main.html', {})
```

– project2/urls.py

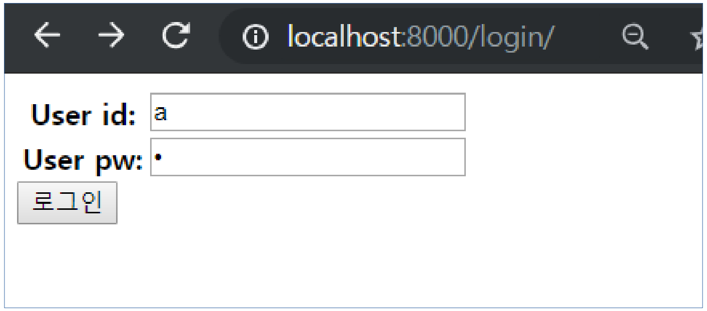
```
urlpatterns = [
    ...
    path('main/', main, name='main'),
]
```

■ 로그인

● 로그인 후 메인페이지 이동

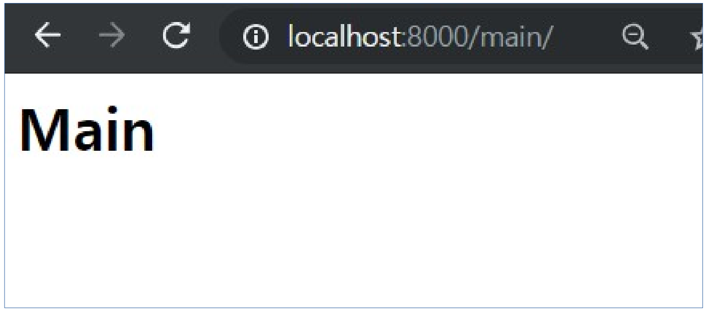
- member/views.py

```
from django.shortcuts import render, redirect
...
def login(request):
    ...
        try:
            member = Member.objects.get(user_id=user_id, user_pw=user_pw)
        except Member.DoesNotExist:
            return HttpResponse('로그인 실패')
        else:
            return redirect('main')
```


localhost:8000/login/

User id: a

User pw: •


localhost:8000/main/

Main

■ 로그인

● 세션 활용

– member/views.py

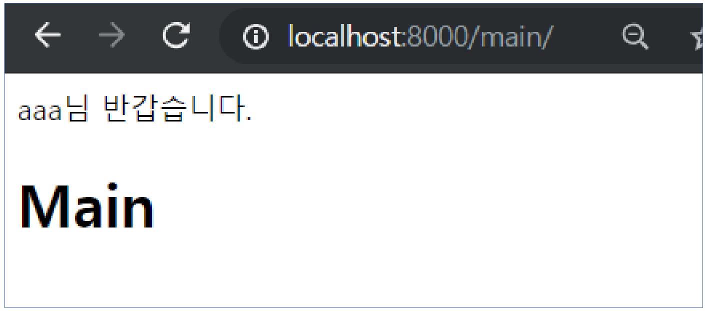
```
from django.shortcuts import render, redirect
...
def login(request):
    ...
        try:
            member = Member.objects.get(user_id=user_id, user_pw=user_pw)
            request.session['user_name'] = member.user_name
            request.session['user_id'] = member.user_id
        except Member.DoesNotExist:
            return HttpResponse('로그인 실패')
        else:
            return redirect('main')
```

■ 로그인

● 세션 활용

- member/templates/member/main.html

```
{% if request.session.user_name %}
    {{ request.session.user_name}}님 반갑습니다.
{% endif %}

<h1>Main</h1>
```



aaa님 반갑습니다.

Main

■ 회원가입 - 장고 자체 모델

● 회원 정보 입력 페이지

- member/forms.py

```
from django.contrib.auth.models import User
class UserForm(forms.ModelForm):
    class Meta:
        model = User
        fields = ['username', 'email', 'password']
```

■ 회원가입 – 장고 자체 모델

● 회원 정보 입력 페이지

– member/templates/member/auth_join.html

```
<form method="post">
    {% csrf_token %}
    {{ form.as_p}}
    <input type="submit" value="가입">
</form>
```

– member/views.py

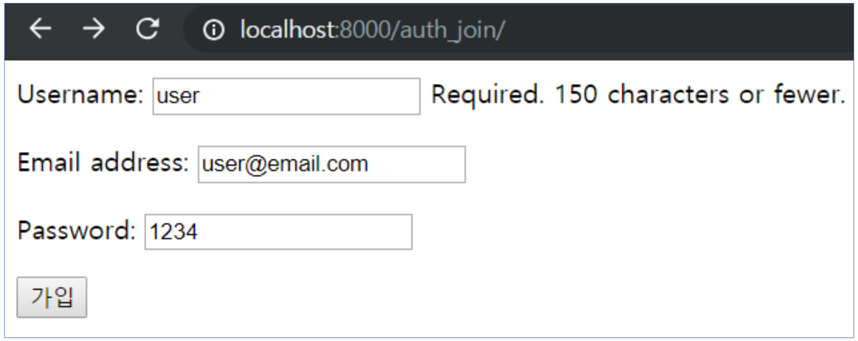
```
from .forms import UserForm
from django.contrib.auth.models import User
from django.contrib.auth import login

def auth_join(request):
    if request.method == 'GET':
        form = UserForm()
        return render(request, 'member/auth_join.html', {'form': form})
    else:
        form = UserForm(request.POST)
        if form.is_valid():
            user = User.objects.create_user(**form.cleaned_data)
            login(request, user)
            return redirect('main')
```

■ 회원가입 – 장고 자체 모델

● 회원 정보 입력 페이지

– project2/urls.py

```
urlpatterns = [
    path('auth_join/', auth_join, name='auth_join'),
]
```

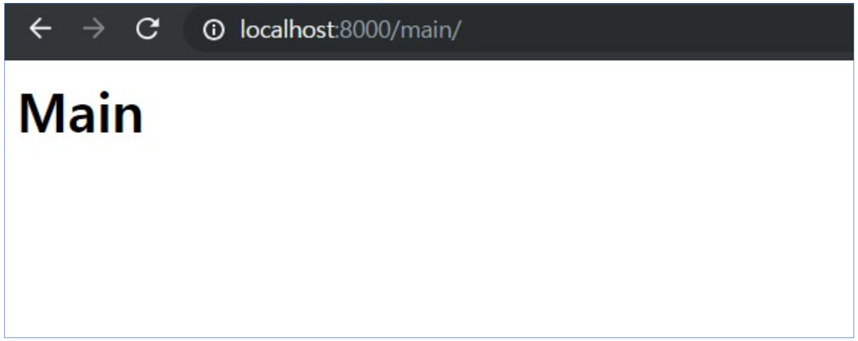


localhost:8000/auth_join/

Username: user Required. 150 characters or fewer.

Email address: user@email.com

Password: 1234



localhost:8000/main/

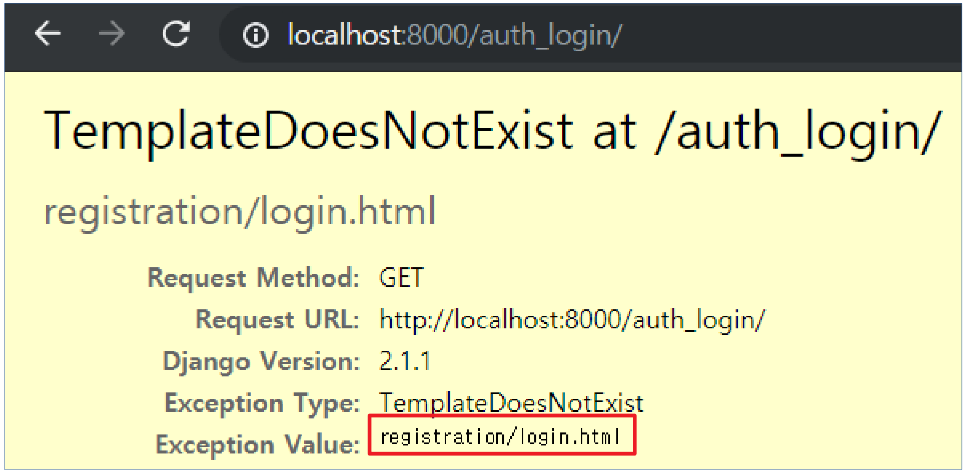
Main

■ 로그인 – 장고 자체 모델

● 로그인 페이지

– project2/urls.py

```
from django.contrib.auth import views as auth_views

urlpatterns = [
    path('auth_login/', auth_views.LoginView.as_view(), name='auth_login'),
]
```



localhost:8000/auth_login/

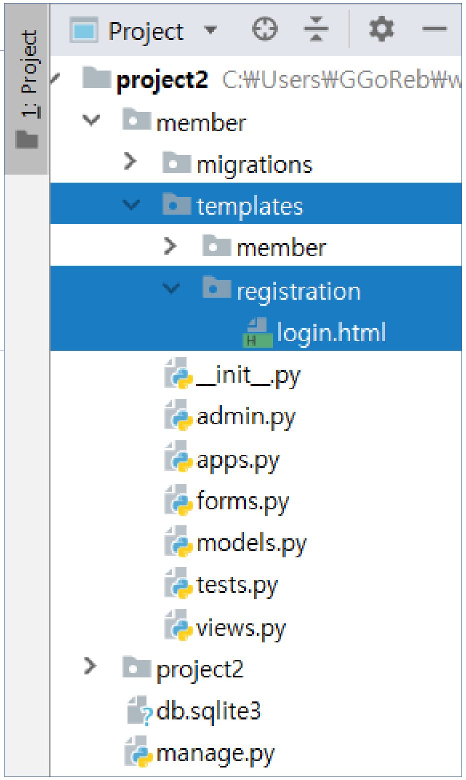
```
TemplateDoesNotExist at /auth_login/
registration/login.html

 Request Method:  GET
    Request URL:  http://localhost:8000/auth_login/
 Django Version:  2.1.1
 Exception Type:  TemplateDoesNotExist
Exception Value:  registration/login.html
```

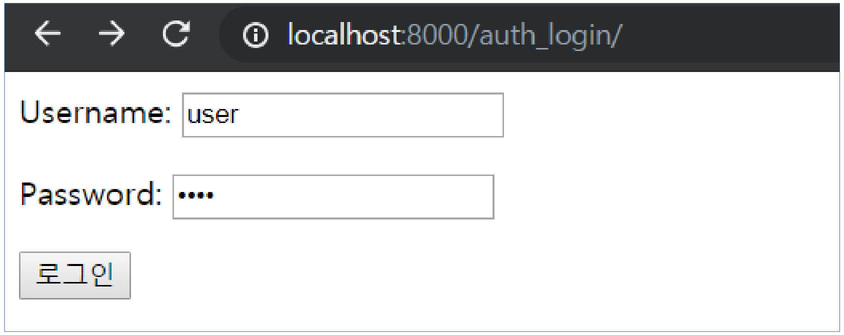
■ 로그인 – 장고 자체 모델

● 로그인 페이지

– member/templates/registration/login.html

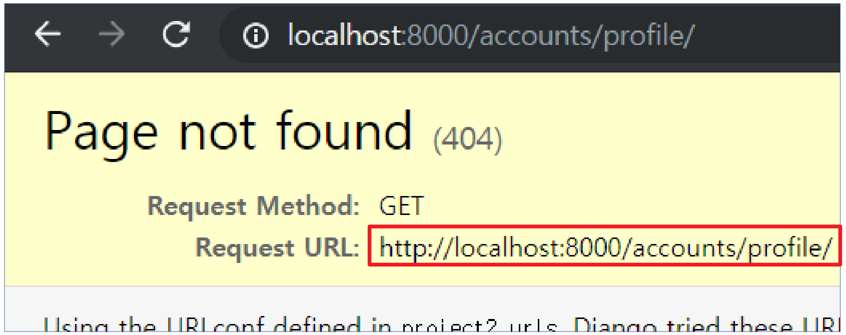
```
<form method="post">
    {% csrf_token %}
    {{ form.as_p }}
    <input type="submit" value="로그인">
</form>
```




localhost:8000/auth_login/

Username: user

Password: ••••


localhost:8000/accounts/profile/

Page not found (404)

Request Method: GET

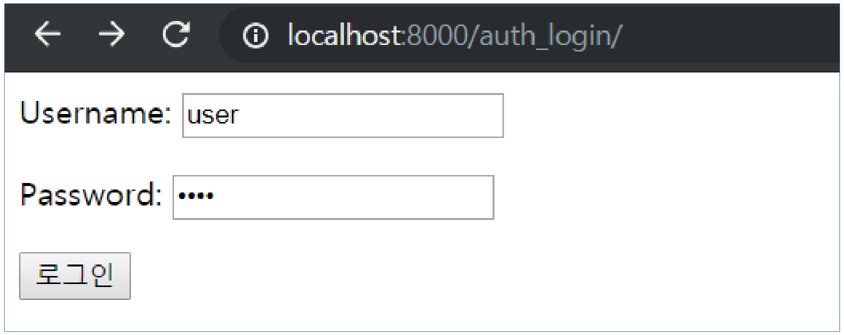
Request URL: http://localhost:8000/accounts/profile/

Using the URLconf defined in project2.urls, Django tried these URL

■ 로그인 – 장고 자체 모델

- ● 로그인 후 이동 주소 설정
  - – project2/settings.py

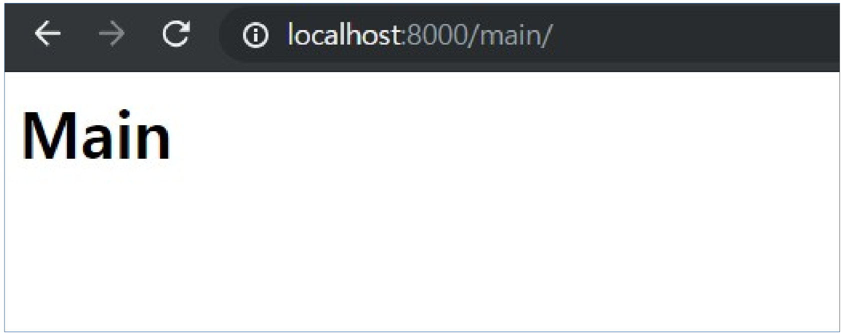
```
LOGIN_REDIRECT_URL = '/main'
```



localhost:8000/auth_login/

Username: user

Password: ••••



localhost:8000/main/

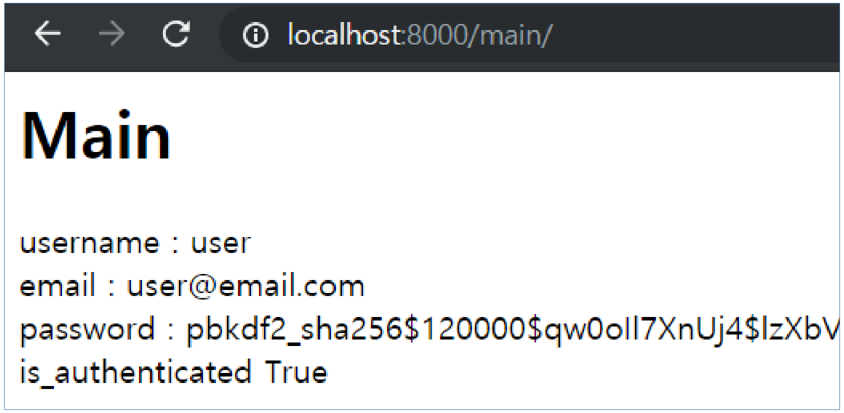
Main

■ 로그인 – 장고 자체 모델

● 로그인 정보 확인 (세션)

– member/templates/member/main.html

```
<h1>Main</h1>

{% if request.user.is_authenticated %}
    username : {{ request.user.username }}<br>
    is_authenticated {{ request.user.is_authenticated }}
{% endif %}
```



Main

```
username : user
email : user@email.com
password : pbkdf2_sha256$120000$qw0oIl7XnUj4$IzXbV
is_authenticated True
```