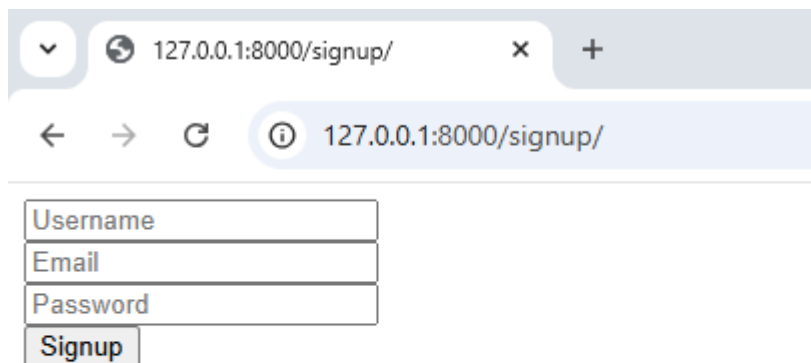
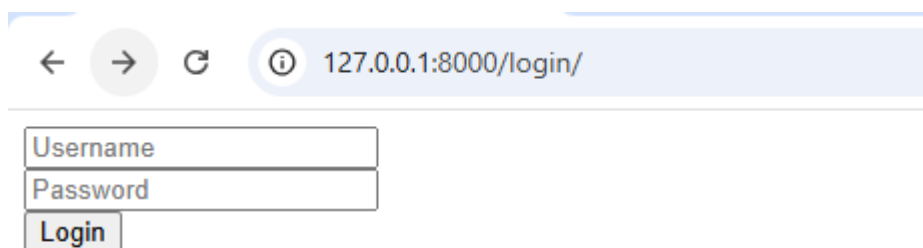


Django Project Practice without Modelform:-

- User Signup ✓
- User Login ✓
- User Logout ✓
- Home Page ✓



A screenshot of a web browser window showing a signup form. The browser's address bar displays the URL `127.0.0.1:8000/signup/`. The form consists of three input fields: "Username", "Email", and "Password", stacked vertically. Below these fields is a "Signup" button.



A screenshot of a web browser window showing a login form. The browser's address bar displays the URL `127.0.0.1:8000/login/`. The form consists of two input fields: "Username" and "Password", stacked vertically. Below these fields is a "Login" button.

Step 1: Create Django Project

Open terminal and run:

```
django-admin startproject myproject
cd myproject
python manage.py startapp accounts
```

Your structure will look like:

```
myproject/  
├── myproject/  
├── accounts/  
└── manage.py
```

□ Step 2: Register App

Open `myproject/settings.py`

Add your app:

```
# Application definition  
  
INSTALLED_APPS = [  
  
    'accounts',  
  
]
```

□ Step 3: Configure URLs

Main URLs (`myproject/urls.py`)

```
from django.contrib import admin  
from django.urls import path, include  
  
urlpatterns = [  
    path('admin/', admin.site.urls),  
    path('', include('accounts.urls')),  
]
```

App URLs (`accounts/urls.py`)

Create this file:

```
from django.urls import path  
from .views import signup_view, login_view, logout_view, home_view  
  
urlpatterns = [  
    path('', home_view, name='home'),
```

```
path('signup/', signup_view, name='signup'),
path('login/', login_view, name='login'),
path('logout/', logout_view, name='logout'),
]
```

Step 4: Add Your Views

In `accounts/views.py`, paste your code (already good ☑):

```
from django.shortcuts import render, redirect
from django.contrib.auth.models import User
from django.contrib import messages
from django.contrib.auth import authenticate, login
from django.contrib.auth import logout

def signup_view(request):
    if request.method == "POST":
        username = request.POST.get('username')
        email = request.POST.get('email')
        password = request.POST.get('password')

        if User.objects.filter(username=username).exists():
            messages.error(request, "Username already exists")
            return redirect('signup')

        user = User.objects.create_user(
            username=username,
            email=email,
            password=password
        )
        user.save()
        messages.success(request, "Account created successfully")
        return redirect('login')

    return render(request, 'signup.html')

def login_view(request):
    if request.method == "POST":
```

```
username = request.POST.get('username')
password = request.POST.get('password')

user = authenticate(request, username=username, password=password)

if user is not None:
    login(request, user)
    return redirect('home')
else:
    messages.error(request, "Invalid credentials")
    return redirect('login')

return render(request, 'login.html')

def logout_view(request):
    logout(request)
    return redirect('login')
def home_view(request):
    return render(request, 'home.html')
```

□ Step 5: Run Database Migrations

```
python manage.py makemigrations
python manage.py migrate
```

□ Step 6: Create Templates

Inside `accounts/`, create:

```
accounts/
├── templates/
│   ├── signup.html
│   ├── login.html
│   └── home.html
```

signup.html

```
<form method="POST">
  {% csrf_token %}
  <input type="text" name="username" placeholder="Username"><br>
  <input type="email" name="email" placeholder="Email"><br>
  <input type="password" name="password" placeholder="Password"><br>
```

```
    <button type="submit">Signup</button>
</form>

{% for message in messages %}
<p>{{ message }}</p>
{% endfor %}

<a href="{% url 'login' %}">Login</a>
```

login.html

```
<form method="POST">
    {% csrf_token %}
    <input type="text" name="username" placeholder="Username"><br>
    <input type="password" name="password" placeholder="Password"><br>
    <button type="submit">Login</button>
</form>

{% for message in messages %}
<p>{{ message }}</p>
{% endfor %}

<a href="{% url 'signup' %}">Signup</a>
```

home.html

```
<h2>Welcome {{ request.user.username }}</h2>

<a href="{% url 'logout' %}">Logout</a>
```

Finally run :-

```
python manage.py runserver
```

```
F:\recap>env\scripts\activate

(env) F:\recap>cd myproject

(env) F:\recap\myproject>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
March 26, 2026 - 16:38:22
Django version 6.0.3, using settings 'myproject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```