

Create a Django Project:-

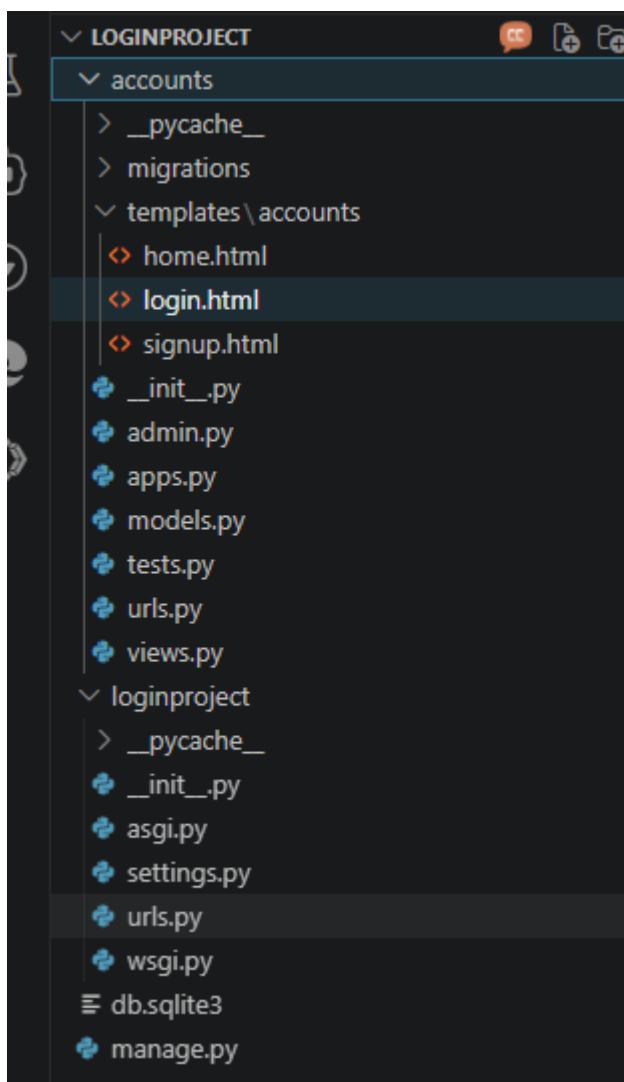
```
django-admin startproject myproject
```

Create an App

Create an app named `accounts`:-

```
python manage.py startapp accounts
```

Project Structure:-



accounts/views.py file code:-

```
from django.shortcuts import render, redirect
from django.contrib.auth.forms import (
    UserCreationForm,
    AuthenticationForm,
)
from django.contrib.auth import login, logout

# Home page
def home(request):
    return render(request, "accounts/home.html")

# User registration
def signup_view(request):
    if request.method == "POST":
        form = UserCreationForm(request.POST)

        if form.is_valid():
            user = form.save()
            login(request, user)
            return redirect("home")
    else:
        form = UserCreationForm()

    return render(request, "accounts/signup.html", {"form": form},)

# User login
def login_view(request):
    if request.method == "POST":
        form = AuthenticationForm(
            request,
            data=request.POST,
        )

        if form.is_valid():
            user = form.get_user()
            login(request, user)
            return redirect("home")
    else:
        form = AuthenticationForm()

    return render(request, "accounts/login.html", {"form": form},)

# User logout
```

```
def logout_view(request):
    logout(request)
    return redirect("login")
```

accounts/urls.py file:-

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.home, name='home'),
    path('signup/', views.signup_view, name='signup'),
    path('login/', views.login_view, name='login'),
    path('logout/', views.logout_view, name='logout'),
]
```

loginproject/ursl.py file :-

```
from django.contrib import admin
from django.urls import path, include

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

Register App (accounts):-

loginproject/settings.py file :-

```
# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'accounts',
]
```

accounts/templates/accounts/home.html file :-

```
<h1>Home Page</h1>

{% if user.is_authenticated %}

    <p>
        Welcome {{ user.username }}
    </p>

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

{% else %}

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

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

{% endif %}
```

accounts/templates/accounts/signup.html

```
<h1>Signup</h1>

<form method="POST">

    {% csrf_token %}

    {{ form.as_p }}

    <button type="submit">
        Sign Up
    </button>

</form>

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

accounts/templates/accounts/login.html:-

```
<h1>Login</h1>

<form method="POST">

    {% csrf_token %}

    {{ form.as_p }}

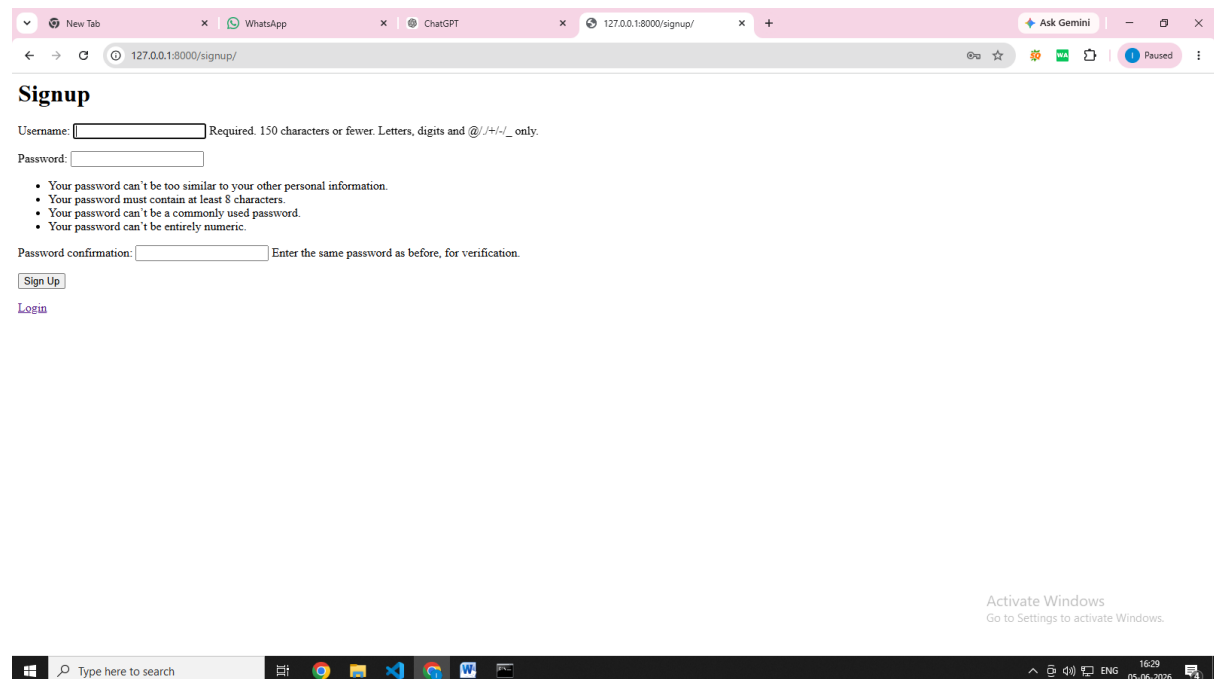
    <button type="submit">
        Login
    </button>

</form>

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

Finally run:-

python manage.py runserver



New Tab

WhatsApp

ChatGPT

127.0.0.1:8000/login/

+

Ask Gemini

Paused

127.0.0.1:8000/login/

Paused

Login

Username:

Password:

[Signup](#)

Activate Windows
Go to Settings to activate Windows.

Windows logo

Type here to search

Taskbar icons: File Explorer, Google Chrome, Microsoft Edge, Visual Studio Code, Word, etc.

System tray: Network, Volume, Language (ENG), Date/Time (16:30 05-06-2025)