

Django : User Registration, Login And
Logout App Using Built in Methods
UserCreationForm(),AuthenticationForm(),
login() And logout()

Register Page

127.0.0.1:8000

Username: Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation: Enter the same password as before, for verification.

Login Page

127.0.0.1:8000/login/

Username:

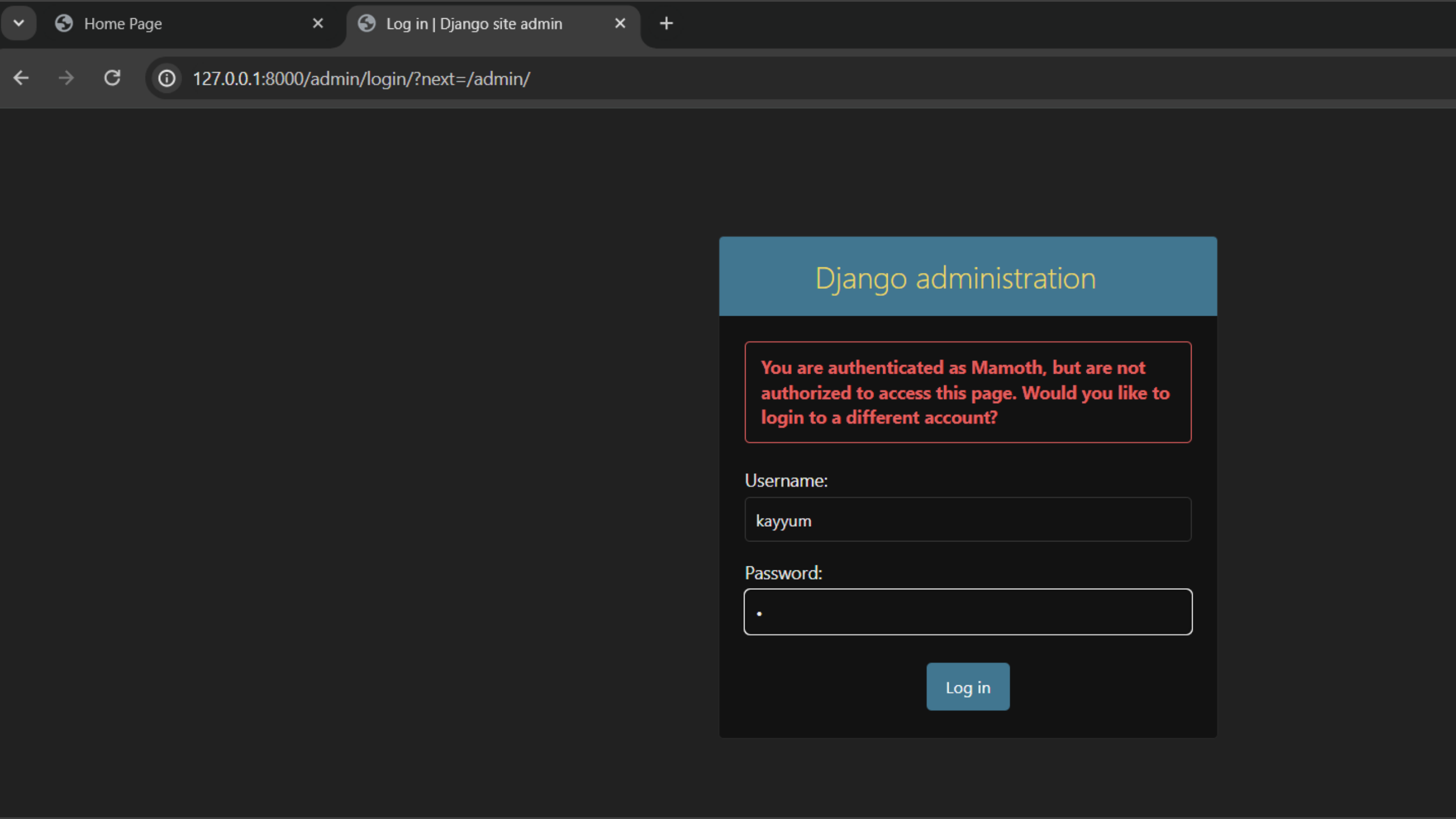
Password:

Home Page

127.0.0.1:8000/home/

[Logout](#)

welcome to home



Django administration

You are authenticated as Mamoth, but are not authorized to access this page. Would you like to login to a different account?

Username:

Password:

Log in




Django administration

Site administration

AUTHENTICATION AND AUTHORIZATION


Groups

+ Add

 Change

Users

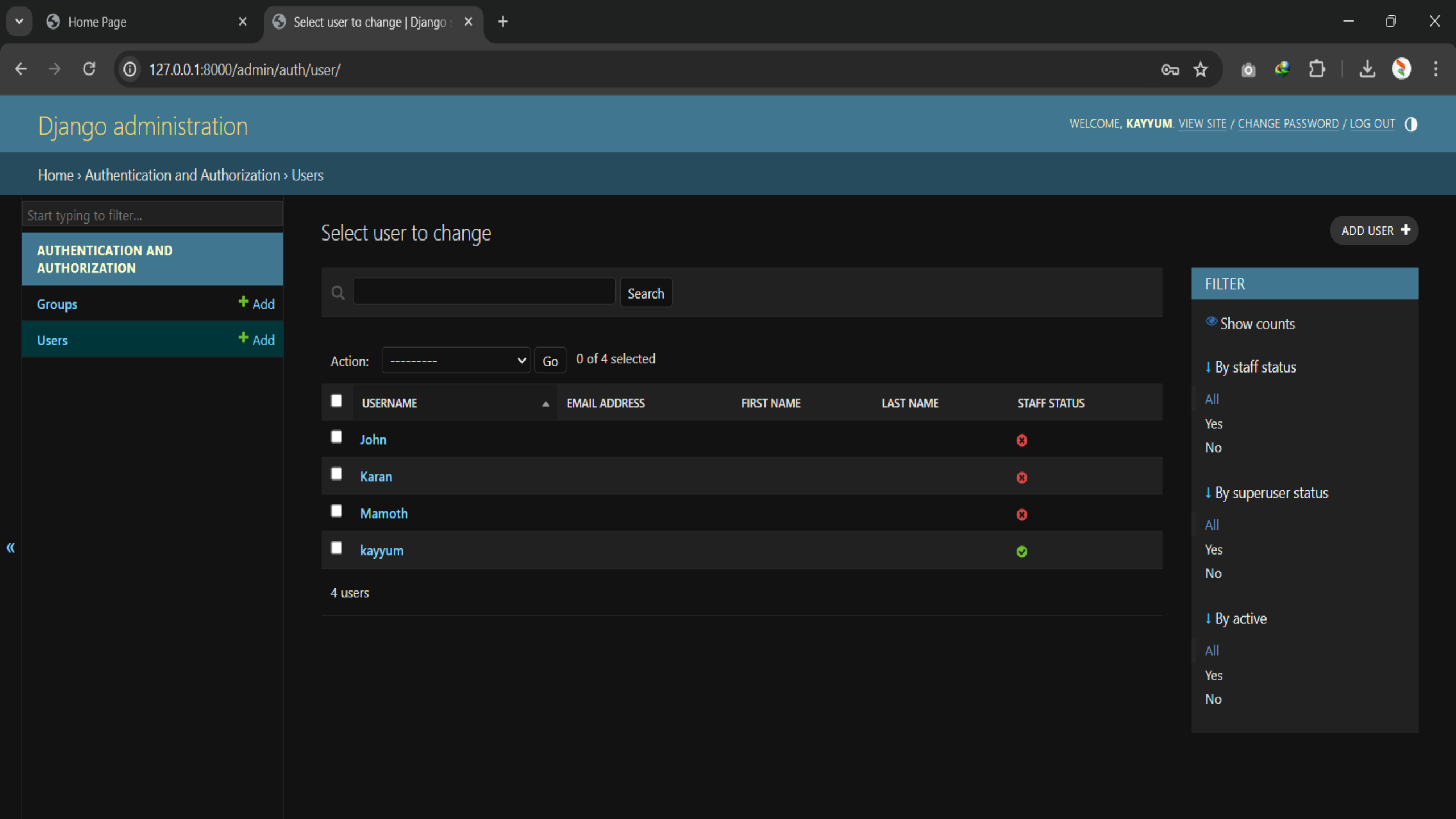
+ Add

 Change

Recent actions

My actions

None available



Django administration

WELCOME, KAYYUM. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Authentication and Authorization > Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#)

Users [+ Add](#)

Select user to change

[ADD USER](#) [+](#)

Action: 0 of 4 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	John				<input checked="" type="checkbox"/>
<input type="checkbox"/>	Karan				<input checked="" type="checkbox"/>
<input type="checkbox"/>	Mamoth				<input checked="" type="checkbox"/>
<input type="checkbox"/>	kayyum				<input type="checkbox"/>

4 users

FILTER

☒ Show counts

↓ By staff status

All

Yes

No

↓ By superuser status

All

Yes

No

↓ By active

All

Yes

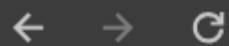
No



http://127.0.0.1:8000/home|

Home Page - <http://127.0.0.1:8000/home>

http://127.0.0.1:8000/home - Google Search



127.0.0.1:8000/login/?next=/home/

Username:

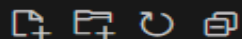
Password:

Login

settings.py

```
-----  
INSTALLED_APPS = [  
    'user_app',  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
]  
  
MIDDLEWARE = [  
    'django.middleware.security.SecurityMiddleware',  
    'django.contrib.sessions.middleware.SessionMiddleware',  
    'django.middleware.common.CommonMiddleware',  
    'django.middleware.csrf.CsrfViewMiddleware',  
    'django.contrib.auth.middleware.AuthenticationMiddleware',  
    'django.contrib.messages.middleware.MessageMiddleware',  
    'django.middleware.clickjacking.XFrameOptionsMiddleware',  
]  
  
ROOT_URLCONF = 'user_project.urls'  
  
LOGIN_REDIRECT_URL = "/"  
LOGOUT_REDIRECT_URL = "/"  
LOGIN_URL = "/login/" # to use @login_required decorator on any view  
  
STATIC_URL = '/static/'  
MEDIA_URL = "/media/"  
MEDIA_ROOT = BASE_DIR / "media"
```

THURSDAY



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media

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user_app

> __pycache__

> migrations

templates

<> home.html

<> login.html

<> register.html

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apps.py

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views.py

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> __pycache__

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asgi.py

settings.py

urls.py

wsgi.py

db.sqlite3

manage.py

user_project > user_project > urls.py > ...

```
1
2 from django.contrib import admin
3 from django.urls import path,include
4
5 urlpatterns = [
6     path('admin/', admin.site.urls),
7     path("",include("user_app.urls"))
8 ]
9
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

June 06, 2024 - 19:02:08

Django version 5.0.6, using settings 'user_project.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CTRL-BREAK.

C:\Users\kayyu\Desktop\django\thursday\user_project\user_app\views.py changed, reloading.

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

June 06, 2024 - 19:02:29

Django version 5.0.6, using settings 'user_project.settings'

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Quit the server with CTRL-BREAK.

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urls.py ...\user_project

urls.py ...\user_app

views.py

register.html

user_project > user_app > templates > home.html > html

1<!DOCTYPE html>

2<html lang="en">

3<head>

4<meta charset="UTF-8">

5<meta name="viewport" content="width=device-width, initial-scale=1.0">

6<title>Home Page</title>

7</head>

8<body>

9<button>Logout</button>

10<h1>welcome to home </h1>

11</body>

12</html>

PROBLEMS

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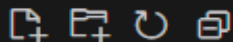
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▼ THURSDAY



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▼ media

▼ templates

▼ user_app

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> migrations

▼ templates

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🔌 urls.py ...\user_project

🔌 urls.py ...\user_app

🔌 views.py

<> register.html

user_project > user_app > templates > <> login.html > html > body

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Login Page</title>
7  </head>
8  <body>
9      <form method="POST" enctype="multipart/form-data">
10         {% csrf_token %}
11         {{ form.as_p }}
12         <button type="submit">Login</button>
13     </form>
14 </body>
15 </html>
```

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5<meta name="viewport" content="width=device-width, initial-scale=1.0">

6<title>Register Page</title>

7</head>

8<body>

9<form method="POST" enctype="multipart/form-data">

10{% csrf_token %}

11{{form.as_p}}

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

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home.html

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from django.shortcuts import redirect, render

from django.contrib.auth.forms import UserCreationForm, AuthenticationForm

from django.contrib.auth import login, logout

from django.contrib.auth.models import User

from django.contrib.auth.decorators import login_required

Create your views here.

register user

def register_user(request):

context={} # empty dictionary

if request.method == "POST": # request if POST

form = UserCreationForm(request.POST) # create UserCreation form using request.POST data

if form.is_valid(): # check if form is valid

form.save() # save the form data into user model

return redirect("/login") # redirect to login page

else:

context["form"] = UserCreationForm() # if request is "GET" then create empty UserCreation form

return render(request,"register.html",context) # render register.html with empty form data

@login_required # for forcing login before view the home page or @login_required(login_url='/custom/login/', redirect_field_name='redirect_to')

def home(request):

return render(request,"home.html")

login user

def login_user(request):

context={} # create context empty dictionary

if request.method == "POST": # if request of "POST" type

form = AuthenticationForm(request, data=request.POST) # create AuthenticationForm with request data

if form.is_valid(): # check if form is valid

user = form.get_user() # recall user data from form

login(request,user) # login the user

return redirect("/home") # redirect to home page after successfully login

else:

if request.method == "GET" then create new empty form

context["form"] = AuthenticationForm() # create empty AuthenticationForm()

return render(request,"login.html",context) # render empty login.html page with context data

logout user

def logout_user(request):

logout(request) # logout with request data

return redirect("/login") # redirect to login page

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user_project > user_app > urls.py > ...

1 from django.urls import path

2 from . import views

3

4 urlpatterns = [

5 path("", views.register_user, name="register"),

6 path("home/", views.home, name="home"),

7 path("login/", views.login_user, name="login"),

8 path("logout/", views.logout_user, name="logout")

9]