

```
from django.shortcuts import render,redirect,HttpResponse
from django.contrib.auth.models import User
from django.contrib import messages
from django.contrib import auth
def index(request):
    return render(request,'index.html')
```

```
def signup(request):
    if request.method=="POST":
        n = request.POST['username']
        e = request.POST['email']
        p = request.POST['password']
        if User.objects.filter(username=n).exists():
            messages.info(request,' username already exists')
        else:
            user =
User.objects.create_user(username=n,email=e,password=p)
            user.save()
            return redirect('login')
```

```
    return render(request,'signup.html')
def login(request):
    if request.method == 'POST':
        u = request.POST['username']
        p = request.POST['password']

        user = auth.authenticate(username=u,password=p)
```

```
if user is not None:
    auth.login(request,user)
    return redirect('home')
else:
    messages.info(request,'Invalid username or password ')
    return redirect('login')
```

```
return render(request,'login.html')
```

```
def logout(request):
    auth.logout(request)
    return redirect('login')
```

Urls.py

```
from django.contrib import admin
from django.urls import path
from webapp import views
urlpatterns = [
    path('home',views.index,name="home"),
    path("",views.login,name="login"),
    path('signup',views.signup,name="signup"),
    path('logout',views.logout,name="logout"),
]
```