```python
from django.shortcuts import render, redirect
from django.contrib import messages, auth
from django.contrib.auth.models import User
from contacts.models import Contact


def register(request):
    if request.method == 'POST':
        # get form values
        first_name = request.POST['first_name']
        last_name = request.POST['last_name']
        username = request.POST['username']
        email = request.POST['email']
        password = request.POST['password']
        password2 = request.POST['password2']
        # check password
        if password == password2:
            # check username
            if User.objects.filter(username=username).exists():
                messages.error(request, "Username exited !")
                return redirect('register')
            else:
                if User.objects.filter(email=email).exists():
                    messages.error(request, "User email is being used !")
                    return redirect('register')
                else:
                    # everything is fine by now
                    user = User.objects.create_user(
                        username=username, password=password, email=email,
first_name=first_name, last_name=last_name)
                    # goto login after register
                    # method 1
                    # auth.login(request, user)
                    # messages.success(request, 'You are now logging in !')
                    # return redirect('index')
                    # method 2
                    user.save()
                    messages.success(request, 'You are now registered !')
                    return redirect('login')
        else:
            messages.error(request, "Password do not match")
            return redirect('register')
    else:
        return render(request, 'accounts/register.html')


def login(request):
    if request.method == 'POST':
        username = request.POST['username']
        password = request.POST['password']
        user = auth.authenticate(username=username, password=password)
        # if not match then return None
        if user is not None:
            auth.login(request, user)
            messages.success(request, 'You are logging in !')
            return redirect('dashboard')
        else:
            messages.error(request, 'Invalid credentials')
            return redirect('login')
```

```python
59        else:
60            return render(request, 'accounts/login.html')
61
62
63 def logout(request):
64     if request.method == 'POST':
65         auth.logout(request)
66         messages.success(request, "you are now logging out !")
67         return redirect('index')
68
69
70 def dashboard(request):
71     user_contacts = Contact.objects.order_by(
72         '-contact_date').filter(user_id=request.user.id)
73     context = {
74         'contacts': user_contacts
75     }
76     return render(request, 'accounts/dashboard.html', context)
77
```