

1 . A form is created for the user registration (register.html):

```
<form action="/register/" method="POST"> {% csrf_token %}

<div class="container mt-5">

    <div class="mb-3">

        <label for="username" class="form-label">Username</label>

        <input type="text" class="form-control" id="username" name="username">

    </div>

    <div class="mb-3">

        <label for="first_nam" class="form-label">First Name</label>

        <input type="text" class="form-control" id="first_name" name="first_name">

    </div>

    <div class="mb-3">

        <label for="last_name" class="form-label">Last Name</label>

        <input type="text" class="form-control" id="last_name" name="last_name">

    </div>

    <div class="mb-3">

        <label for="email" class="form-label">Email address</label>

        <input type="email" class="form-control" id="email" name="email">

    </div>

    <div class="mb-3">

        <label for="password1" class="form-label">Password</label>

        <input type="password" class="form-control" id="password1" name="password1">

    </div>

    <div class="mb-3">

        <label for="password2" class="form-label">Confirm Password</label>

        <input type="password" class="form-control" id="password2" name="password2">

    </div>

    <button type="submit" class="btn btn-primary">Submit</button>

</div>
```

</form>

Views.py :

```
def register(request):
    if request.method=="POST":
        username = request.POST['username']
        email = request.POST['email']
        first_name=request.POST['first_name']
        last_name=request.POST['last_name']
        password1 = request.POST['password1']
        password2 = request.POST['password2']

        if password1 != password2:
            messages.error(request, "Passwords do not match.")
            return redirect('/register')

        user = User.objects.create_user(username, email, password1)
        user.first_name = first_name
        user.last_name = last_name
        user.save()

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

Code Explanation:

We create a form with a post request to take the required details from the user. These are then stored in the Django User model. These details will be further required to identify the user while logging in.

2.Then a form is created for the user login (login.html):

```

<form action="/login/" method="POST"> {% csrf_token %}

    <div class="container mt-5">

        <div class="mb-3">

            <label for="username" class="form-label">Username</label>

            <input type="text" class="form-control" id="username" name="username">

        </div>

        <div class="mb-3">

            <label for="password" class="form-label">Password</label>

            <input type="password" class="form-control" id="password" name="password">

        </div>

        <br>

        <button type="submit" class="btn btn-primary">Submit</button>

    </div>

</form>

```

Views.py :

```

def loggedin(request):
    if request.user.is_authenticated:
        return redirect("/")
    else:
        if request.method=="POST":
            username = request.POST['username']
            password = request.POST['password']

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

            if user is not None:
                login(request, user)

```

```
        messages.success(request, "Successfully Logged In")
        return redirect("/")
    else:
        messages.error(request, "Invalid Credentials")
        return render(request, 'college.html')
    return render(request, "login.html")
```

Code Explanation:

If the user wants to fill the application form, then the user has to register and then login. While login if the username and password is wrong then “Invalid Credentials” message will be shown else the user will get successfully logged in.