



LAB 9 – User Authentication, Sessions, and Cookies

1. Create views for user *login* and *logout*:

- Edit your *views.py* file as follows:

Import necessary classes and models

```
from django.contrib.auth import authenticate, login, logout
from django.contrib.auth.decorators import login_required, user_passes_test
```

Create your views here.

```
def login_here(request):
    if request.method == 'POST':
        username = request.POST['username']
        password = request.POST['password']
        user = authenticate(username=username, password=password)
        if user:
            if user.is_active:
                login(request, user)
                return HttpResponseRedirect(reverse('carapp:homepage'))
            else:
                return HttpResponse('Your account is disabled')
        else:
            return HttpResponse('Login details are incorrect')
    else:
        return render(request, 'carapp/login_here.html')
```

```
@login_required
def logout_here(request):
    logout(request)
    return HttpResponseRedirect(reverse('carapp:homepage'))
```

- Create *login_here.html* in the appropriate dir. It should ask for a username and password and pass the information to the *login_here* view function given above.
- Update *carapp/urls.py* to handle **login** and **logout**.

Note: To understand *redirect* and *reverse* in detail, please visit the following link:

<https://pytutorial.com/django-http-response-redirect/>

2. Create *myorders* view:



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Define a view function *list_of_orders(request)* in your *views.py* file. The user must be logged in to access this function. For a logged in user:

- a. If the user is one of the buyers, return all the orders that have been placed by the user.
- b. Otherwise, display a message: 'You are not registered'.
- c. Update *carapp/urls.py* appropriately.
- d. Create *list_of_orders.html* to display the orders that have been placed by the user or a suitable message if the user has not placed any orders.

3. Working with Sessions and Cookies:

Based on your understanding of today's lecture and knowledge of sessions and cookies:

- a. Count the number of sessions for any of your pages (ex. Homepage, Aboutus page and so on).
Each a time a user refreshes the page, the session number gets incremented.
- b. Set the cookies for any of your pages (ex. Homepage, Aboutus page and so on). You can set any value for the cookie counter (ex. 10 seconds).