

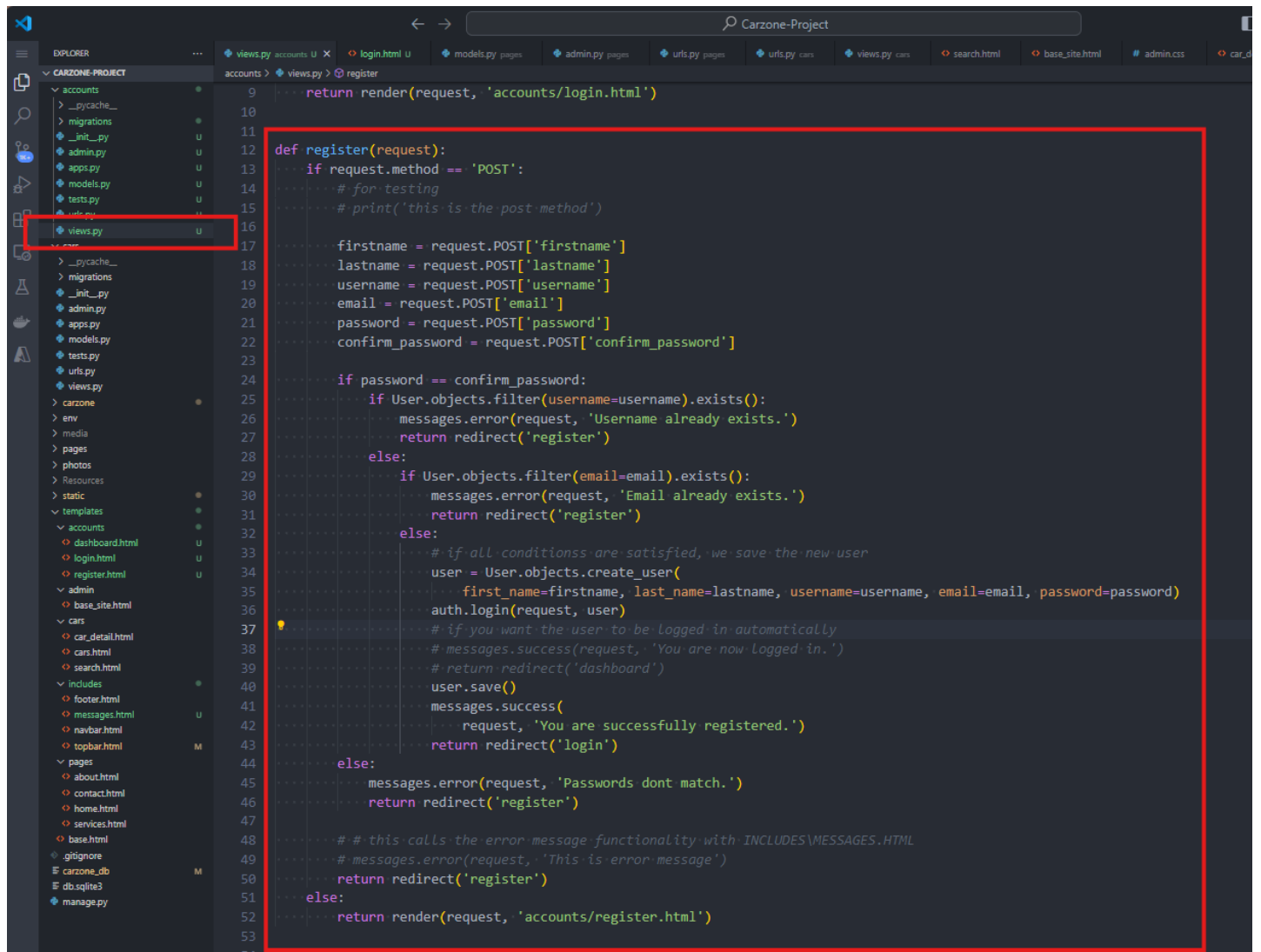
## Topic: Car Listing: User Registration, Login, Logout, Dynamic Page Title Part 13

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This is the continuation of the REGISTER FUNCTIONALITY from Part 12.

1. Go to ACCOUNTS/VIEWS.PY and update



```
9         return render(request, 'accounts/login.html')
10
11
12 def register(request):
13     if request.method == 'POST':
14         # for testing
15         # print('this is the post method')
16
17         firstname = request.POST['firstname']
18         lastname = request.POST['lastname']
19         username = request.POST['username']
20         email = request.POST['email']
21         password = request.POST['password']
22         confirm_password = request.POST['confirm_password']
23
24         if password == confirm_password:
25             if User.objects.filter(username=username).exists():
26                 messages.error(request, 'Username already exists.')
27                 return redirect('register')
28             else:
29                 if User.objects.filter(email=email).exists():
30                     messages.error(request, 'Email already exists.')
31                     return redirect('register')
32                 else:
33                     # if all conditionss are satisfied, we save the new user
34                     user = User.objects.create_user(
35                         first_name=firstname, last_name=lastname, username=username, email=email, password=password)
36                     auth.login(request, user)
37                     # if you want the user to be logged in automatically
38                     # messages.success(request, 'You are now Logged in.')
39                     # return redirect('dashboard')
40                     user.save()
41                     messages.success(
42                         request, 'You are successfully registered.')
43                     return redirect('login')
44             else:
45                 messages.error(request, 'Passwords dont match.')
46                 return redirect('register')
47
48         # # this calls the error message functionality with INCLUDES/MESSAGES.HTML
49         # messages.error(request, 'This is error message')
50         return redirect('register')
51     else:
52         return render(request, 'accounts/register.html')
53
54
```

2. Update your REGISTER.HTML

```
EXPLORER CARZONE-PROJECT
  accounts
  _pycache_
  migrations
  _init_.py
  admin.py
  apps.py
  models.py
  tests.py
  urls.py
  views.py
  cars
  _pycache_
  migrations
  _init_.py
  admin.py
  apps.py
  models.py
  tests.py
  urls.py
  views.py
  carzone
  env
  media
  pages
  photos
  Resources
  static
  templates
    accounts
      dashboard.html
      login.html
      register.html
    admin
    base_site.html
    cars
    car_detail.html
    cars.html
    search.html
    includes
      footer.html
      messages.html
      navbar.html
      topbar.html
    pages
      about.html
      contact.html
      home.html
      services.html
    base.html
  .gitignore
  carzone_db
  db.sqlite3
  manage.py

templates > accounts > register.html > ...
21 <!-- Contact section start -->
22 <div class="contact-section">
23 <div class="container">
24 <div class="row">
25 <div class="col-lg-12 col-md-12">
26 <div class="form-section">
27 <div class="logo-2">
28 <a href="{% url 'home' %}">
29 
30 </a>
31 </div>
32 <h3>Create an account</h3>
33
34 <!-- This displays our customized error message -->
35 <{% include 'includes/messages.html' %}>
36
37 <form action="{% url 'register' %}" method="POST">
38 <!-- this is for security reason that we add the CSRF_TOKEN -->
39 <{% csrf_token %}>
40 <div class="form-group form-box">
41 <input type="text" name="firstname" class="input-text" placeholder="First Name" required>
42 <i class="fa fa-user"></i>
43 </div>
44 <div class="form-group form-box">
45 <input type="text" name="lastname" class="input-text" placeholder="Last Name" required>
46 <i class="fa fa-user"></i>
47 </div>
48 <div class="form-group form-box">
49 <input type="text" name="username" class="input-text" placeholder="Username" required>
50 <i class="fa fa-user"></i>
51 </div>
52 <div class="form-group form-box">
53 <input type="email" name="email" class="input-text" placeholder="Email Address" required>
54 <i class="flaticon-mail"></i>
55 </div>
56 <div class="form-group form-box">
57 <input type="password" name="password" class="input-text" placeholder="Password" required>
58 <i class="flaticon-lock"></i>
59 </div>
60 <div class="form-group form-box">
61 <input type="password" name="confirm_password" class="input-text"
62 placeholder="Confirm Password" required>
63 <i class="flaticon-lock"></i>
64 </div>
65 <div class="form-group mb-0 clearfix">
66 <button type="submit" class="btn-md btn-theme float-left">Register</button>
67 </div>
```

3. You can test it. We updated our VIEWS.PY if we want the user to be logged in automatically or not.

4. Update the LOGIN.HTML as

FROM:

```

<h3>Sign into your account</h3>
<form action="{% url 'login' %}" method="POST">
    {% csrf_token %}
    <div class="form-group form-box">
        <input type="email" name="email" class="input-text" placeholder="Email Address" required>
        <i class="flaticon-mail"></i>
    </div>
    <div class="form-group form-box">
        <input type="password" name="password" class="input-text" placeholder="Password" required>
        <i class="flaticon-lock"></i>
    </div>
    <div class="form-group mb-0 clearfix">
        <button type="submit" class="btn-md btn-theme float-left">Login</button>
    </div>
    <div class="extra-login clearfix">
        <span>Or Login With</span>
    </div>
    <div class="clearfix"></div>
    <ul class="social-list">
        <li><a href="#" class="facebook-bg"><i
            class="fa fa-facebook facebook-i"></i><span>Facebook</span></a></li>
        <li><a href="#" class="google-bg"><i
            class="fa fa-google google-i"></i><span>Google</span></a></li>
    </ul>
</form>

```

TO:

```

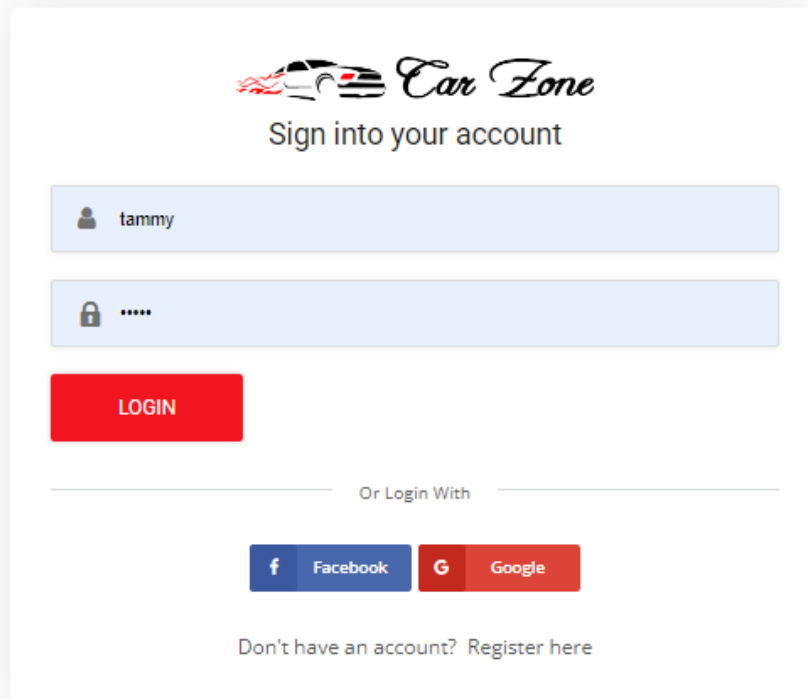
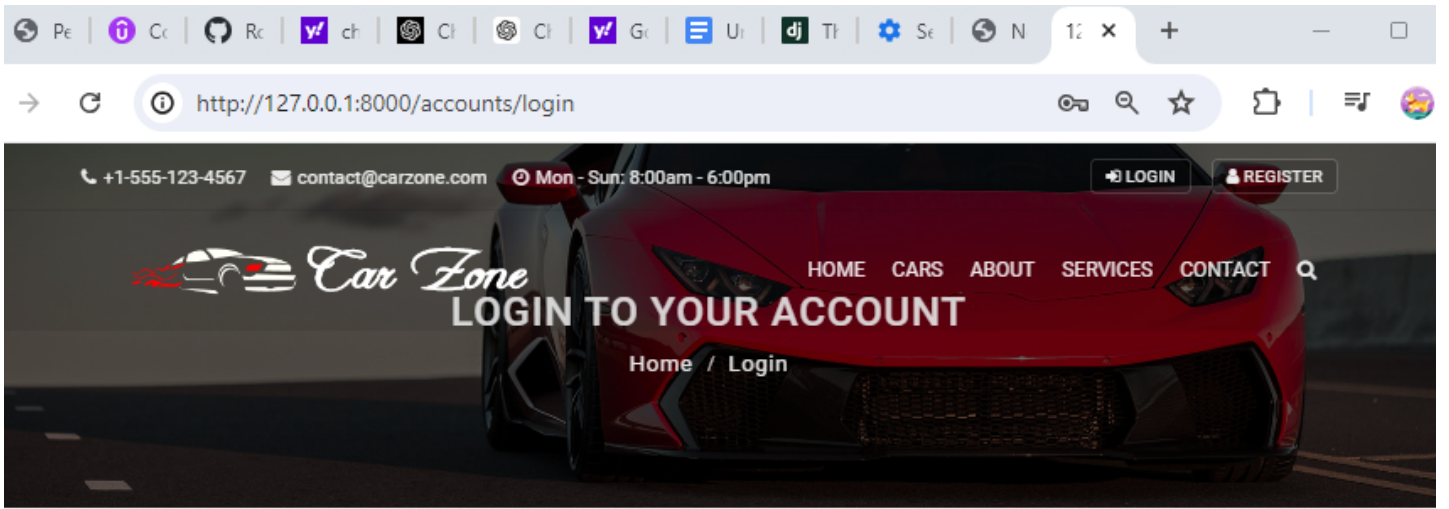
20 <div class="contact-section">
21     <div class="container">
22         <div class="row">
23             <div class="col-lg-12">
24                 <div class="form-section">
25                     <a href="{% url 'home' %}">
26                         
27                     </a>
28                 </div>
29             </div>
30             <h3>Sign into your account</h3>
31             <!-- inserts the customized error messages -->
32             {% include 'includes/messages.html' %}
33         </div>
34         <form action="{% url 'login' %}" method="POST">
35             {% csrf_token %}
36             <div class="form-group form-box">
37                 <input type="text" name="username" class="input-text" placeholder="username" required>
38                 <i class="fa fa-user"></i>
39             </div>
40             <div class="form-group form-box">
41                 <input type="password" name="password" class="input-text" placeholder="Password" required>
42                 <i class="flaticon-lock"></i>
43             </div>
44             <div class="form-group mb-0 clearfix">
45                 <button type="submit" class="btn-md btn-theme float-left">Login</button>
46             </div>
47             <div class="extra-login clearfix">
48                 <span>Or Login With</span>
49             </div>
50             <div class="clearfix"></div>
51             <ul class="social-list">
52                 <li><a href="#" class="facebook-bg"><i
53                     class="fa fa-facebook facebook-i"></i><span>Facebook</span></a></li>
54                 <li><a href="#" class="google-bg"><i
55                     class="fa fa-google google-i"></i><span>Google</span></a></li>
56             </ul>
57         </form>
58     </div>

```

5. Now, for the LOGIN function, update our VIEWS.PY as

```
1 from django.shortcuts import render, redirect
2 from django.contrib import messages, auth
3 from django.contrib.auth.models import User
4
5 # Create your views here.
6
7
8 def login(request):
9
10     if request.method == 'POST':
11         # extracts the user form's input
12         username = request.POST['username']
13         password = request.POST['password']
14
15         # checks the user credentials with our db record
16         user = auth.authenticate(username=username, password=password)
17
18         if user is not None:
19             auth.login(request, user)
20             messages.success(request, 'You are now logged in.')
21             return redirect('dashboard')
22         else:
23             messages.error(request, 'Invalid login credentials.')
24             return redirect('login')
25     return render(request, 'accounts/login.html')
26
```

6. Run the server and test the LOGIN. You should be able to see the error message if incorrect credentials were used otherwise, we should be logged in to our DASHBOARD.



7. For LOGOUT, we update our TOPBAR.HTML to show a LOGOUT if the user has logged in.

FROM:

```

<ul class="top-social-media pull-right">
  <li>
    <a href="{% url 'login' %}" class="sign-in"><i class="fa fa-sign-in"></i> Login</a>
  </li>
  <li>
    <a href="{% url 'register' %}" class="sign-in"><i class="fa fa-user"></i> Register</a>
  </li>
</ul>

```

TO:

```

<div class="col-lg-4 col-md-4 col-sm-5">
  <ul class="top-social-media pull-right">
    <!-- checks if the user has successfully logged in -->
    {% if user.is_authenticated %}
      <li>
        <a href="{% url 'dashboard' %}" class="sign-in"><i class="fa fa-tachometer"></i> Dashboard</a>
      </li>
      <li>
        <!-- There are other ways to do this logout, but this is the preferred way -->
        <a href="javascript:(document.getElementById('logout').submit())" class="sign-out"><i
          class="fa fa-sign-out"></i> Logout</a>
        <form action="{% url 'logout' %}" id="logout" method="POST">
          <!-- this form does not do show anything -->
          {% csrf_token %}
          <input type="hidden">
        </form>
      </li>
    {% else %}
      <li>
        <a href="{% url 'login' %}" class="sign-in"><i class="fa fa-sign-in"></i> Login</a>
      </li>
      <li>
        <a href="{% url 'register' %}" class="sign-in"><i class="fa fa-user"></i> Register</a>
      </li>
    {% endif %}
  </ul>

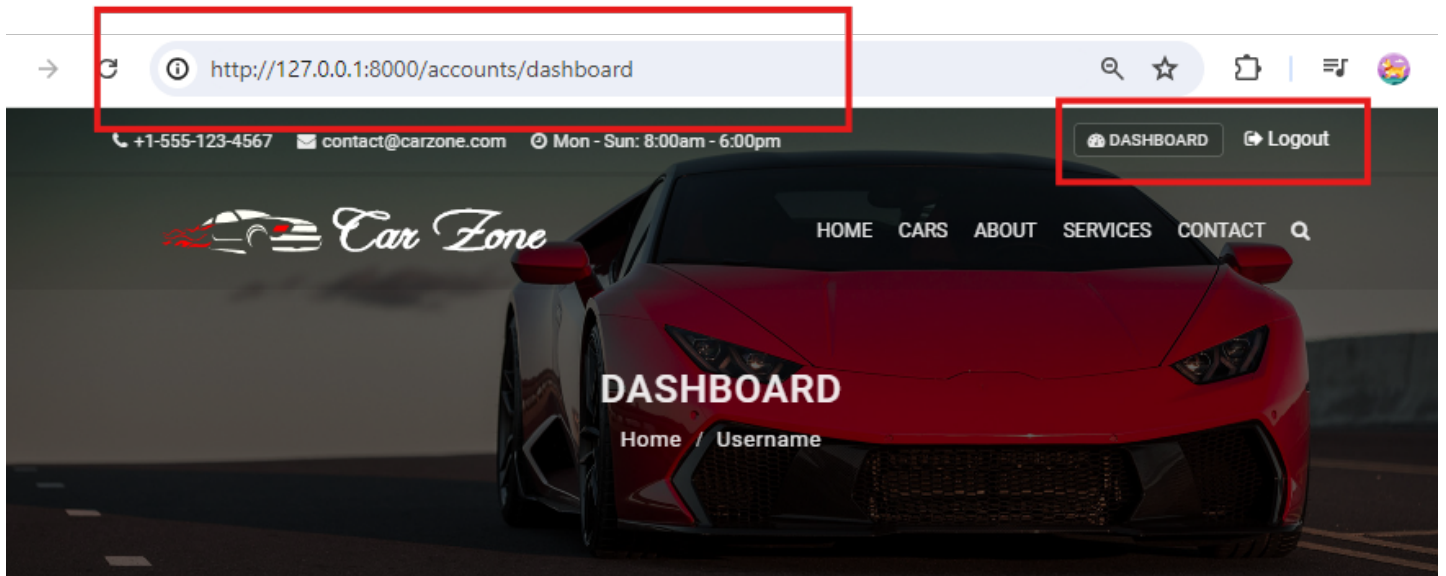
```

8. We update our VIEWS.PY to accept the FORM LOGOUT POST METHOD.

```
accounts > views.py > ...
accounts
  > __pycache__
  > migrations
  > __init__.py
  > admin.py
  > apps.py
  > models.py
  > tests.py
  > urls.py
  > views.py
carzone
  > env
  > media
  > pages
  > photos
  > Resources
  > static
  > templates
  > accounts
    > dashboard.html
    > login.html

28 def register(request):
29     ...
30     ... return redirect('login')
31
32
33
34
35
36
37
38
39
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41
42
43
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45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61     ... else:
62     ...     messages.error(request, 'Passwords dont match.')
63     ...     return redirect('register')
64
65     ... # this calls the error message functionality with INCLUDES\MESSAGES.H
66     ... # messages.error(request, 'This is error message')
67     ... return redirect('register')
68
69     ... else:
70     ...     return render(request, 'accounts/register.html')
71
72 def dashboard(request):
73     ... return render(request, 'accounts/dashboard.html')
74
75
76 def logout(request):
77     ... if request.method == 'POST':
78     ...     auth.logout(request)
79     ...     messages.success(request, 'You are successfully logged out.')
80     ...     return redirect('home')
81     ... return redirect('home')
82
```

9. When you are in the dashboard and need to logout, you should be directed to the homepage.



## Welcome User

Here are the cars that you have inquired about

#	Car Name	Location	Price	Action
1	Lamborghini Huracan	Austin	\$25000	<a href="#">View Car</a>
2	Lamborghini Huracan	Austin	\$25000	<a href="#">View Car</a>
3	Lamborghini Huracan	Austin	\$25000	<a href="#">View Car</a>

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10. We want to change the web page title dynamically based on what webpage we are in.

We go to our TEMPLATES\BASE.HTML and find the TITLE SECTION.

FROM:

TO:

11. Then in each webpage like PAGES\HOME.HTML, update it as

So when you run your server. You need to update each of your webpages to write the customized page title.

12. To show the CAR TITLE as part of the PAGE TITLE, we modify CAR\_DETAILS.HTML as:

FROM:

TO:

Click on a specific car. The car title should be visible as part of the page title.