

Topic: Car Listing: Django Messages Part 12B

Speaker: Udemy Instructor Rathan Kumar / Notebook: Django Project: Car Listing



1. See the [Django Messages Framework documentation here](#).

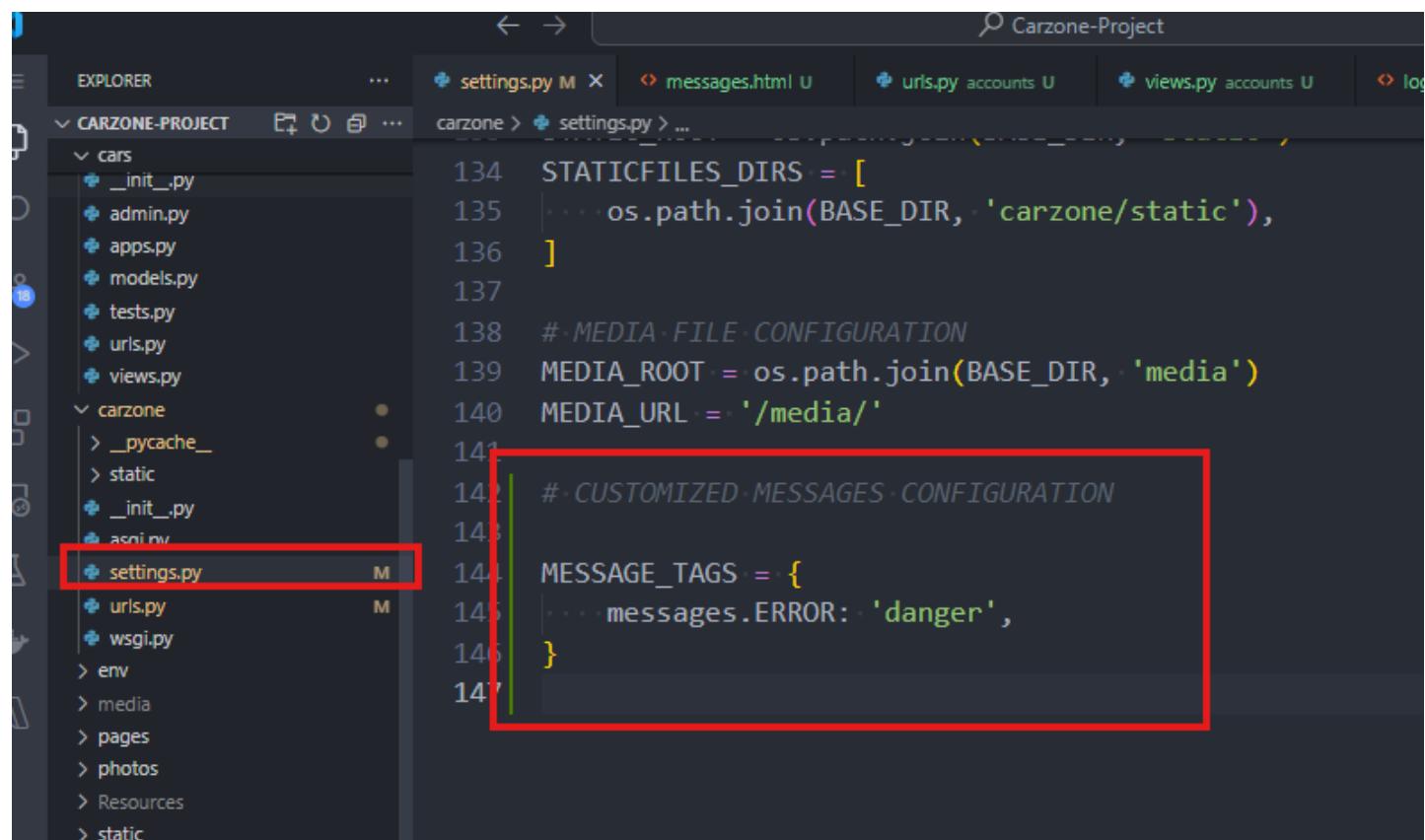
2. We copy this block into SETTINGS.PY and modify this.

FROM:

```
from django.contrib.messages import constants as messages

MESSAGE_TAGS = {
    messages.INFO: "",
    50: "critical",
}
```

TO:



```
134 STATICFILES_DIRS = [
135     ...os.path.join(BASE_DIR, 'carzone/static'),
136 ]
137
138 # MEDIA FILE CONFIGURATION
139 MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
140 MEDIA_URL = '/media/'
141
142 # CUSTOMIZED MESSAGES CONFIGURATION
143
144 MESSAGE_TAGS = {
145     ...messages.ERROR: 'danger',
146 }
147
```

3. Create a new file MESSAGES.HTML in the TEMPLATES\INCLUDES folder. This can be used in ANY Django with Bootstrap projects.

```

<!-- this is for flash messages we show on our web pages

classes here are from the bootstrap.

-->

{%- if messages %}

{%- for message in messages %}

<div id="message" class="container">

<div class="alert alert-{{ message.tags }}" alert-dismissible role="alert">

<button type="button" class="close" data-dismiss="alert"><span aria-hidden="true">&times;</span></button>

<strong>

{%- if message.level == DEFAULT_MESSAGE_LEVELS.ERROR %}

Error:

{%- else %}

{{ message.tags|title}}


{%- endif %}

</strong>

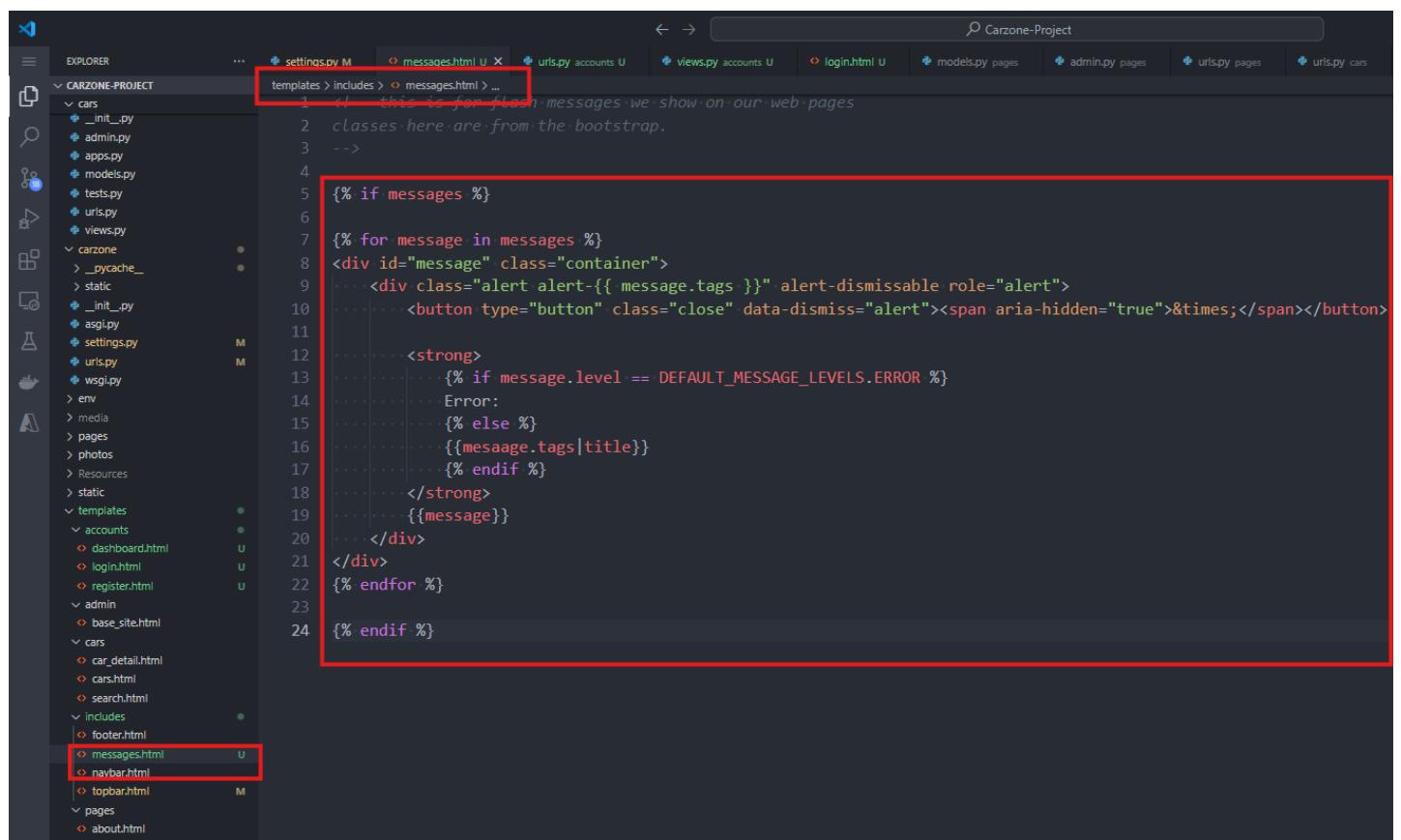
{{ message}}


</div>

</div>

{%- endif %}

```



```

<!-- this is for flash messages we show on our web pages

classes here are from the bootstrap.

-->

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{%- for message in messages %}

<div id="message" class="container">

<div class="alert alert-{{ message.tags }}" alert-dismissible role="alert">

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{%- endif %}

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{{ message}}

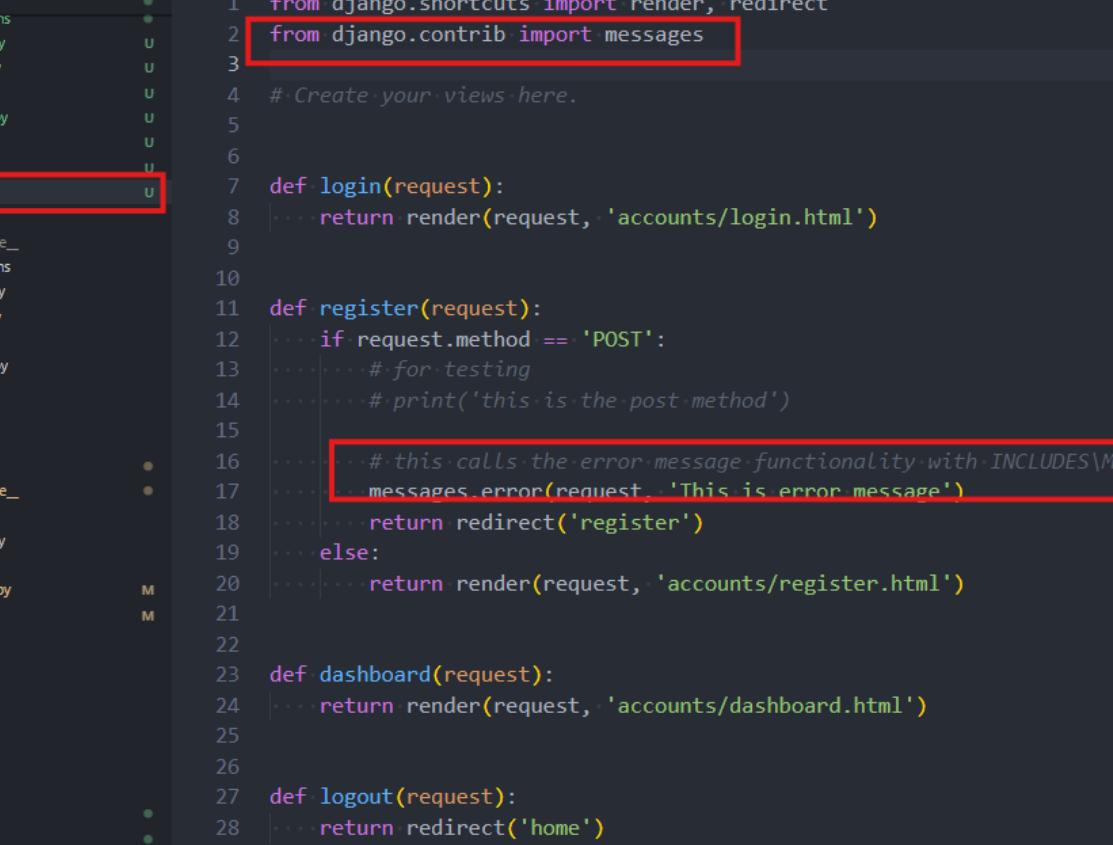

</div>

</div>

{%- endif %}

```

4. To use the message framework, go to ACCOUNTS\VIEWS.PY and update as



Carzone-Project

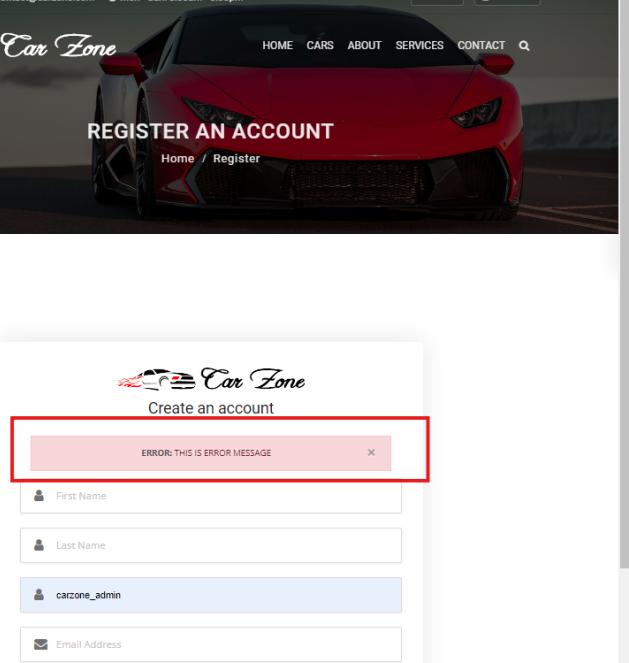
EXPLORER

CARZONE-PROJECT

accounts > views.py > ...

```
1 from django.shortcuts import render, redirect
2 from django.contrib import messages
3
4 # Create your views here.
5
6
7 def login(request):
8     return render(request, 'accounts/login.html')
9
10
11 def register(request):
12     if request.method == 'POST':
13         # for testing
14         # print('this is the post method')
15
16         # this calls the error message functionality with INCLUDES\MESSAGES.HTM
17         messages.error(request, 'This is error message')
18
19     else:
20         return render(request, 'accounts/register.html')
21
22
23 def dashboard(request):
24     return render(request, 'accounts/dashboard.html')
25
26
27 def logout(request):
28     return redirect('home')
29
```

5. Now to display this message on our webpage like REGISTER.HTML, update the REGISTER.HTML. You have to write the line for the error message in the location you want to see it.



CarZone

HOME CARS ABOUT SERVICES CONTACT

REGISTER AN ACCOUNT

Home / Register

ERROR: THIS IS ERROR MESSAGE

First Name

Last Name

carzone_admin

Email Address

Confirm Password

```
views.py pages contact.html services.html about.html home.html topbar.html M reg
templates accounts > register.html > div.contact-section > div.container > div.row > div.col-lg-12.col-md-12 > div.form-section
19 end-->
20
21 tion start-->
22 act-section">
23 container">
24 iss="row">
25 < 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" />
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" />
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" />
50 <i class="fa fa-user"></i>
51 </div>
52 <div class="form-group form-box">
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE

July 20, 2024 - 16:29:36

Django version 4.2.14, using settings 'carzone.settings'

Starting development server at <http://127.0.0.1:8000/>

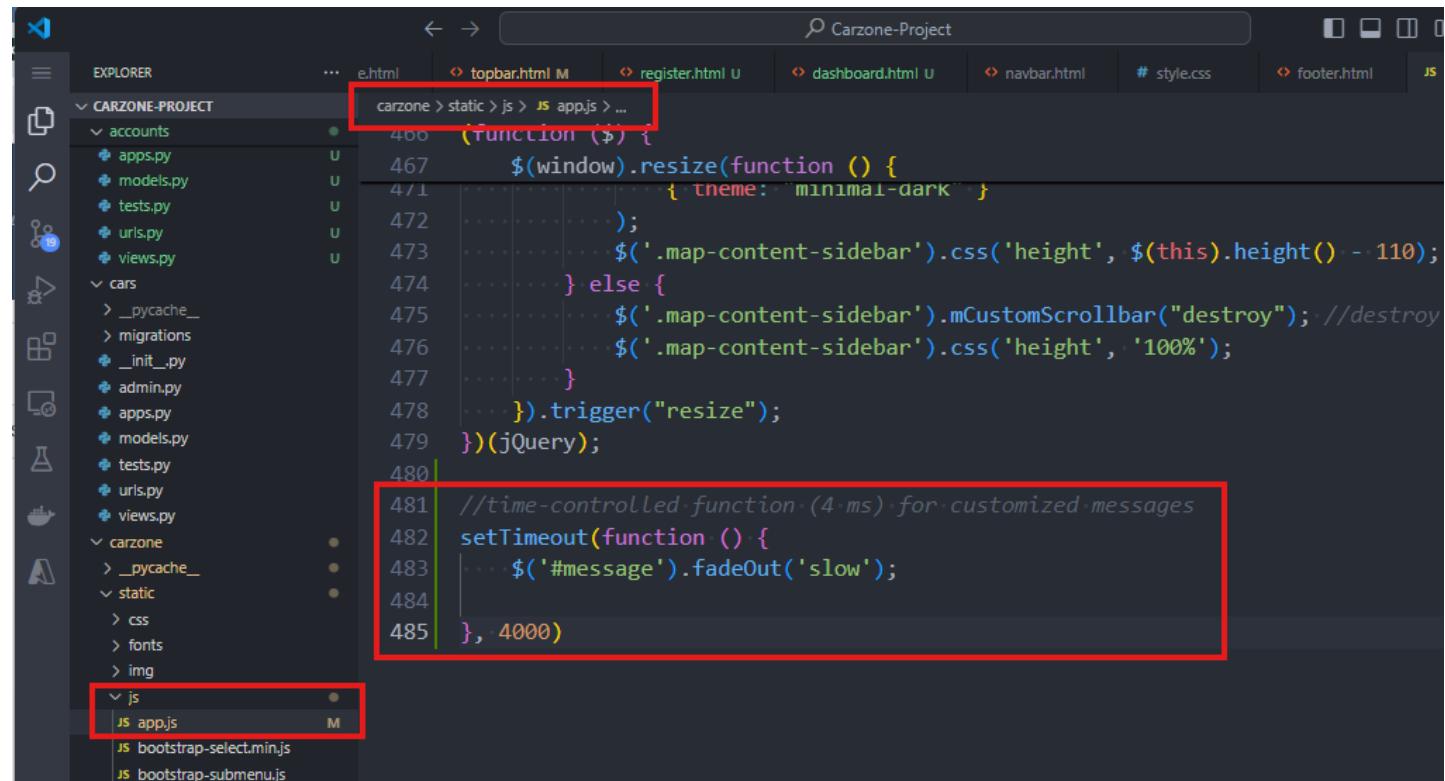
Quit the server with CTRL-BREAK.

[20/Jul/2024 16:34:24] "POST /accounts/register HTTP/1.1" 302 0

6. If you want your ERROR MESSAGE TO DISAPPEAR IN A GIVEN TIME instead of closing it, update your CARZONE\STATIC\JS\APPS.JS file as:

```
//time-controlled function (4 ms) for customized messages

setTimeout(function () {
    $('#message').fadeOut('slow');
}, 4000)
```



```
carzone > static > js > app.js > ...
460 (function ($) {
461     $(window).resize(function () {
462         if (theme === 'minimal-dark') {
463             $('.map-content-sidebar').css('height', $(this).height() - 110);
464         } else {
465             $('.map-content-sidebar').mCustomScrollbar("destroy"); //destroy
466             $('.map-content-sidebar').css('height', '100%');
467         }
468     }).trigger("resize");
469 })(jQuery);
480
481 //time-controlled function (4 ms) for customized messages
482 setTimeout(function () {
483     $('#message').fadeOut('slow');
484 }, 4000)
```

7. Run a COLLECTSTATIC for all updates made from the CARZONE\STATIC FILES AND FOLDERS.

```
$ python manage.py collectstatic
```

8. Run the server again. If the message does not disappear in 4 milliseconds, reload your REGISTER.HTML, VIEW THE PAGE SOURCE and open the APPS.JS to see if it has our SETTIMEOUT function. Reload again the webpage and test.

It should disappear after 4MS.

9. You may now continue with your USER REGISTRATION.