

Topic: Car Listing: Login Using Google Part 14A

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



[Reference: Youtube video](#)

1. To use the social media for login, we have to install a new package, DJANGO-ALLAUTH. So, in the virtual environment terminal, we type.

```
$ pip install django-allauth
```

2. In the CARZONE\SETTINGS.PY, we have to add the new app in the INSTALLED_APPS.

```
INSTALLED_APPS = [
    'accounts.apps.AccountsConfig',
    'cars.apps.CarsConfig',
    'pages.apps.PagesConfig',
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'ckeditor',
    'django.contrib.humanize',
    # for social media logins
    'django.contrib.sites',
    'allauth',
    'allauth.account',
    'allauth.socialaccount',
    # # social media providers
    'allauth.socialaccount.providers.facebook',
    'allauth.socialaccount.providers.google',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
    # allauth account middleware for social login
    'allauth.account.middleware.AccountMiddleware',
]
```

3. Still in the SETTINGS.PY, we add

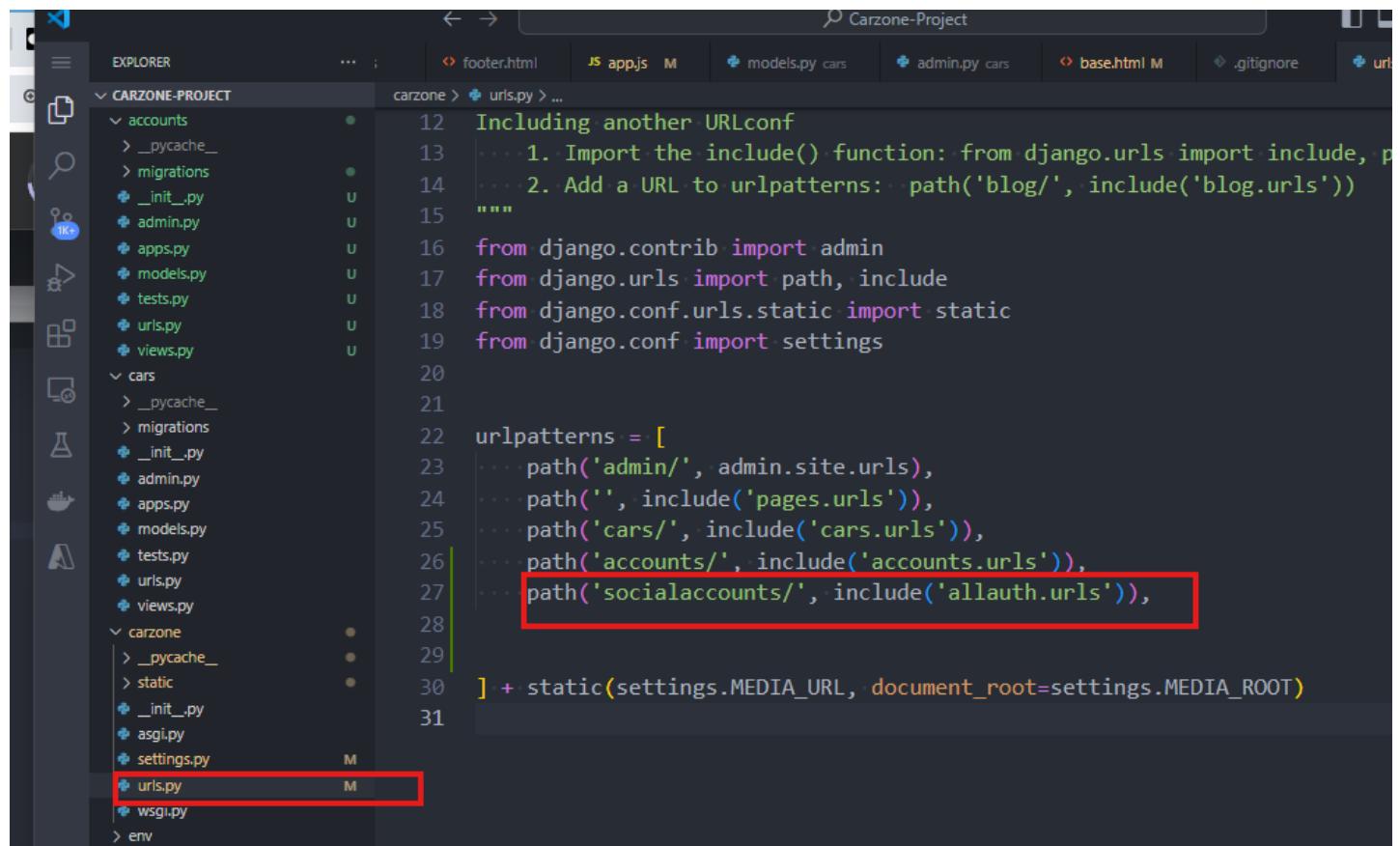
```
SITE_ID = 1

AUTHENTICATION_BACKENDS = [
    'django.contrib.auth.backends.ModelBackend',
    'allauth.account.auth_backends.AuthenticationBackend',
]

SOCIALACCOUNT_PROVIDERS = {
    'facebook': {
        'auth': 'auth'
    }
}

EMAIL_BACKEND = 'django.core.mail.backends.console.EmailBackend'
```

4..in the CARZONE\URLS.PY, create a new path for the social media links.

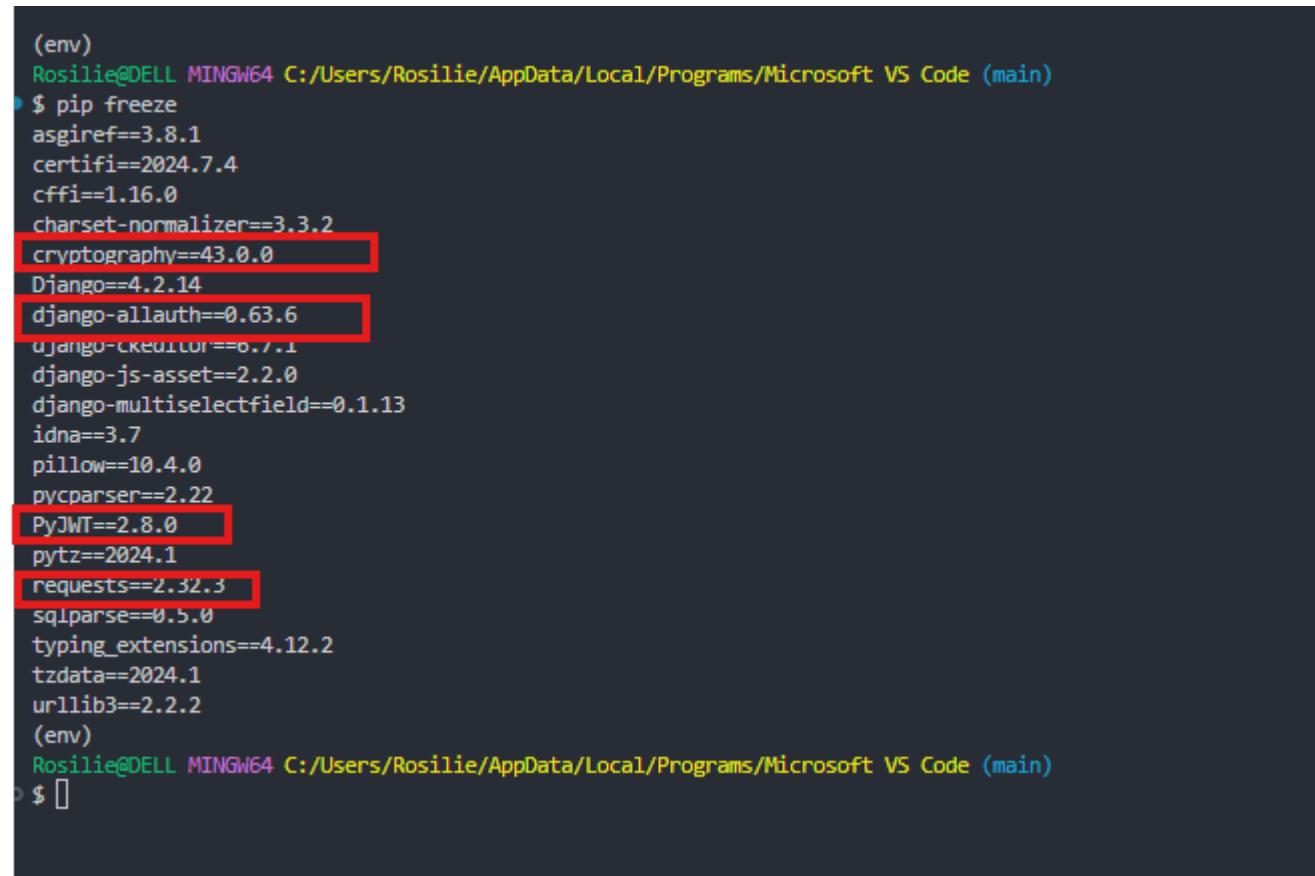


```
Carzone-Project
EXPLORER
CARZONE-PROJECT
  accounts
    > __pycache__
    > migrations
    * __init__.py
    * admin.py
    * apps.py
    * models.py
    * tests.py
    * urls.py
    * views.py
  cars
    > __pycache__
    > migrations
    * __init__.py
    * admin.py
    * apps.py
    * models.py
    * tests.py
    * urls.py
    * views.py
  carzone
    > __pycache__
    > static
    * __init__.py
    * asgi.py
    * settings.py
    * urls.py
    * wsgi.py
  > env

carzone > urls.py > ...
12 Including another URLconf
13 ... 1. Import the include() function: from django.urls import include, p
14 ... 2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 """
16 from django.contrib import admin
17 from django.urls import path, include
18 from django.conf.urls.static import static
19 from django.conf import settings
20
21
22 urlpatterns = [
23     path('admin/', admin.site.urls),
24     path('', include('pages.urls')),
25     path('cars/', include('cars.urls')),
26     path('accounts/', include('accounts.urls')),
27     path('socialaccounts/', include('allauth.urls')),
28
29
30 ] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
31
```

5, Run the migrations code. You have encountered errors for allauth.account.middleware.AccountMiddleware, REQUESTS, JWT, and cryptography.

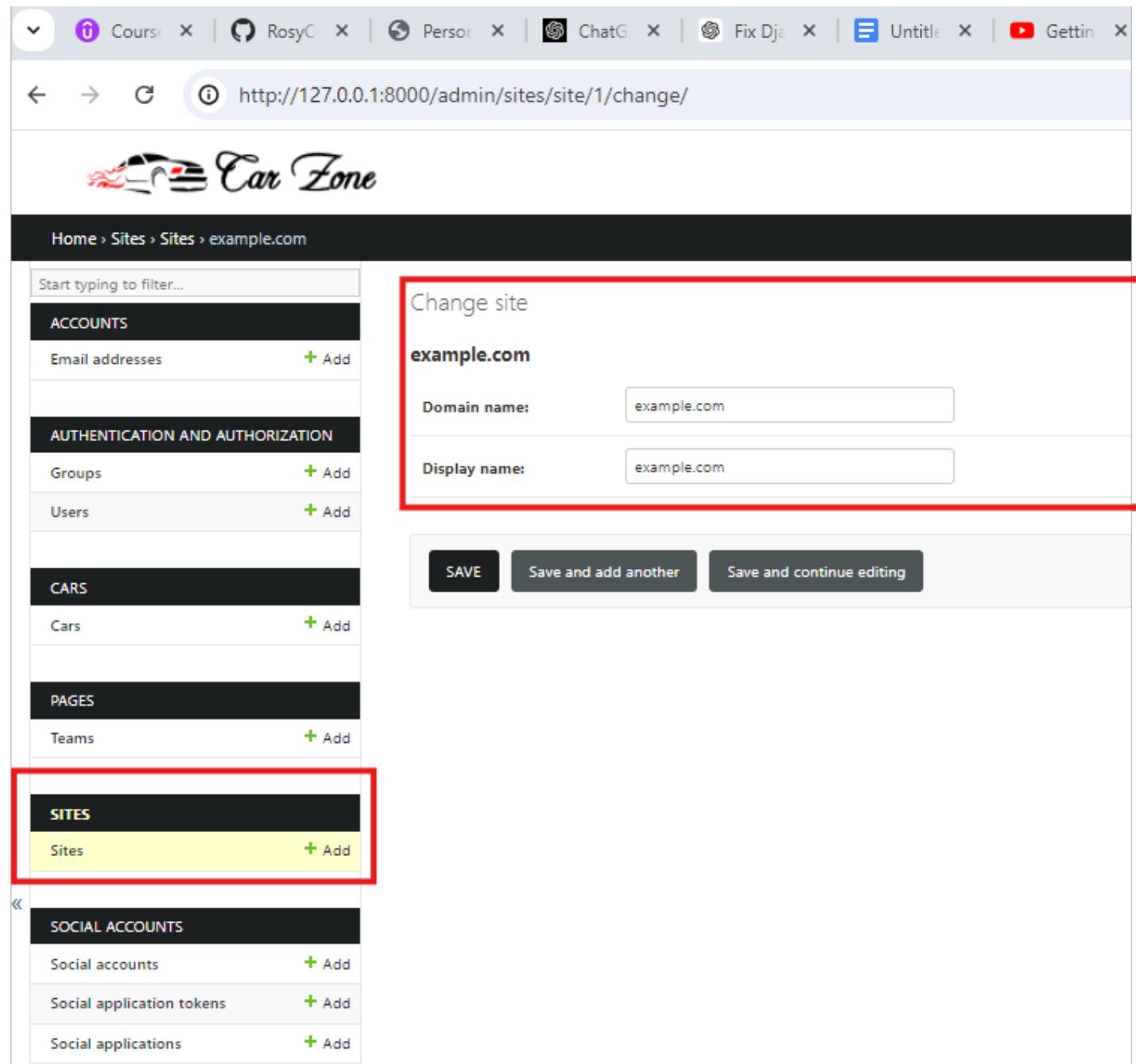
6. You have added the ACCOUNTMIDDLEWARE in middleware and PIP INSTALL each the modules, REQUEST, PYJWT AND CRYPTOGRAPHY.



```
(env)
Rosilie@DELL MINGW64 C:/Users/Rosilie/AppData/Local/Programs/Microsoft VS Code (main)
$ pip freeze
asgiref==3.8.1
certifi==2024.7.4
cffi==1.16.0
charset-normalizer==3.3.2
cryptography==43.0.0
Django==4.2.14
django-allauth==0.63.6
django-ckeditor==0.7.1
django-js-asset==2.2.0
django-multiselectfield==0.1.13
idna==3.7
pillow==10.4.0
pycparser==2.22
PyJWT==2.8.0
pytz==2024.1
requests==2.32.3
sqlparse==0.5.0
typing_extensions==4.12.2
tzdata==2024.1
urllib3==2.2.2
(env)
Rosilie@DELL MINGW64 C:/Users/Rosilie/AppData/Local/Programs/Microsoft VS Code (main)
$
```

7. Now when you run PYTHON MANAGE.PY MIGRATE, it should not show any error and so does running your server.

WE CHANGE EXAMPLE.COM FROM THE SITES TAB TO LOCALHOST:8000:



The screenshot shows the CarZone admin interface at <http://127.0.0.1:8000/admin/sites/site/1/change/>. The left sidebar has a 'SITES' section highlighted with a red box, and the 'example.com' site is selected and being edited. The right panel shows the 'Change site' form for 'example.com', with 'Domain name' set to 'example.com' and 'Display name' also set to 'example.com'. The bottom right of the form has three buttons: 'SAVE', 'Save and add another', and 'Save and continue editing'. The top of the page shows the CarZone logo and the navigation path: Home > Sites > Sites > example.com.

Start typing to filter...

ACCOUNTS

Email addresses [+ Add](#)

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#)

Users [+ Add](#)

CARS

Cars [+ Add](#)

PAGES

Teams [+ Add](#)

SITES

Sites [+ Add](#)

Change site

example.com

Domain name: example.com

Display name: example.com

SAVE **Save and add another** **Save and continue editing**

« SOCIAL ACCOUNTS

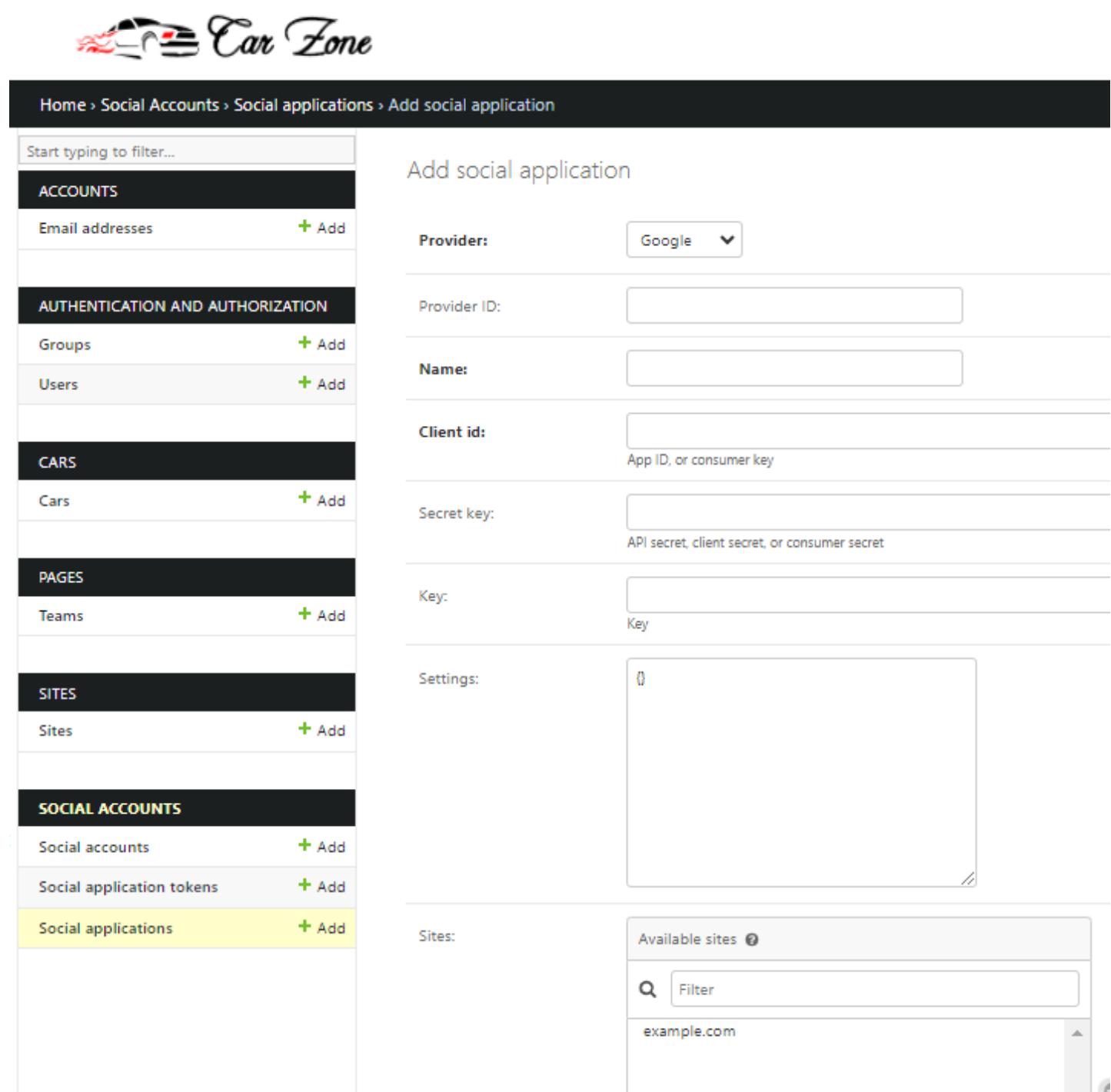
Social accounts [+ Add](#)

Social application tokens [+ Add](#)

Social applications [+ Add](#)

8. For Google Login, add the CLIENT ID and the SECRET KEY that you should get from <https://console.developers.google.com/>

← → ⌂ ⓘ http://127.0.0.1:8000/admin/socialaccount/socialapp/add/



Car Zone

Home > Social Accounts > Social applications > Add social application

Start typing to filter...

ACCOUNTS

Email addresses + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

CARS

Cars + Add

PAGES

Teams + Add

SITES

Sites + Add

SOCIAL ACCOUNTS

Social accounts + Add

Social application tokens + Add

Social applications + Add

Add social application

Provider: Google

Provider ID:

Name:

Client id: App ID, or consumer key

Secret key: API secret, client secret, or consumer secret

Key: Key

Settings:

Sites: Available sites

example.com

Create a NEW PROJECT like Car Listing. Then in the APIs & Services, click on OAuth Consent Screen

Start your Free Trial with \$300 in credit. Don't worry—you won't be charged if you run out of credits. [Learn more](#)

Google Cloud Car Listing ▾

API APIs & Services ENABLE APIs AND SERVICES

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Traffic

⚠ No data is available for the selected time range

UTC-5 Jul 22 6:00 AM

Filter Filter

Name	Requests
Analytics Hub API	
BigQuery API	

9. In the OAuth Consent Screen, select EXTERNAL and CREATE.

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Google Cloud Car Listing Search (/) fo

API APIs & Services OAuth consent screen

Enabled APIs & services Choose how you want to configure and register your app, including your target users. You can only associate one app with your project.

Library

Credentials

OAuth consent screen

Page usage agreements

User Type

Internal [?](#)

Only available to users within your organization. You will not need to submit your app for verification. [Learn more about user type](#)

External [?](#)

Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

CREATE

Let us know what you think about our OAuth experience

10. Fill in the required fields and SAVE.

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≡ Google Cloud

Car Listing ▾

Search (/) for resources, c

PI APIs & Services

Edit app registration

Enabled APIs & services

① OAuth consent screen — ② Scopes — ③ Test users — ④ Summary

Library

Credentials

OAuth consent screen

Page usage agreements

App information

This shows in the consent screen, and helps end users know who you are and contact you

App name *

Carzone Listing

The name of the app asking for consent

User support email *

rnldevsolutions@gmail.com

For users to contact you with questions about their consent. [Learn more](#)

App logo

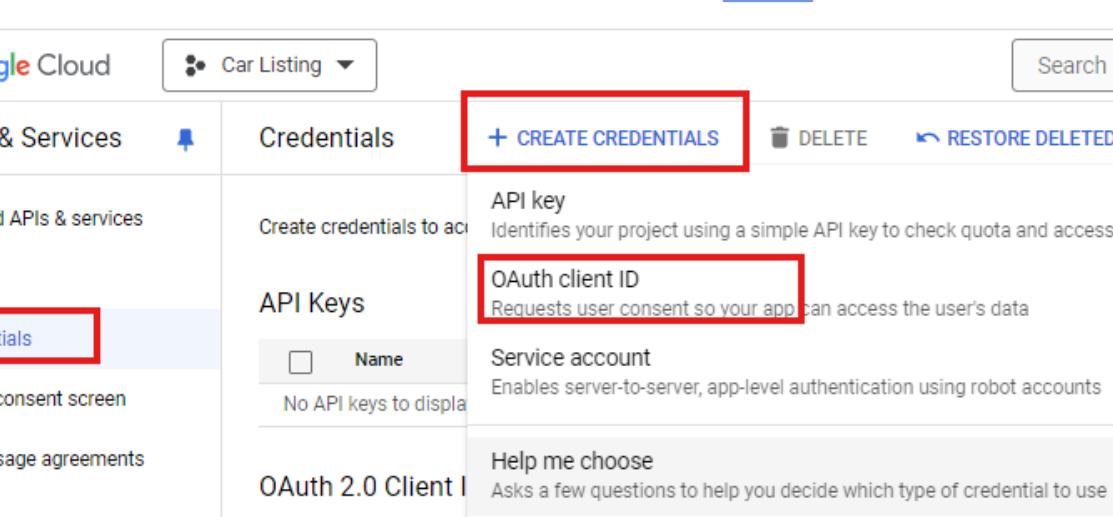
This is your logo. It helps people recognize your app and is displayed on the OAuth consent screen.

After you upload a logo, you will need to submit your app for verification unless the app is configured for internal use only or has a publishing status of "Testing". [Learn more](#)

Logo file to upload

BROWSE

11. Then to create the Client ID and SECRET KEY, click on CREATE CREDENTIALS and select OAuth Client ID.



Start your Free Trial with \$300 in credit. Don't worry—you won't be charged if you run out of credits. [Learn more](#)

Google Cloud Car Listing Search (/) for resources

API APIs & Services CREATE CREDENTIALS DELETE RESTORE DELETED CREDENTIALS

Enabled APIs & services

Library

Credentials

OAuth client ID

API Keys

Service account

Help me choose

OAuth 2.0 Client ID

Creation date ↓

Service Accounts

Email

12. Next select WEB APPLICATIONS and fill in required fields. Take note of the REDIRECT path as this is the same in our URLs.PY.

Start your Free Trial with \$300 in credit. Don't worry—you won't be charged if you run out of credits. [Learn more](#)

Google Cloud Car Listing Search (/) for resources, docs, products, and more

APIs & Services Client ID for Web application DELETE

Enabled APIs & services Library Credentials OAuth consent screen Page usage agreements

Name * Carzone Listing

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

Authorized JavaScript origins

For use with requests from a browser

URIs 1 * http://localhost:8000

URIs 2 * http://127.0.0.1:8000

[+ ADD URI](#)

Authorized redirect URIs

For use with requests from a web server

URIs 1 * http://localhost:8000/socialaccounts/google/login/callback/

URIs 2 * http://127.0.0.1:8000/socialaccounts/google/login/callback/

[+ ADD URI](#)

Note: It may take 5 minutes to a few hours for settings to take effect

[SAVE](#) [CANCEL](#) OAuth client saved

13. When you click on CREATE, this should create your Client ID and Secret Key. Add this to your Admin Panel board.

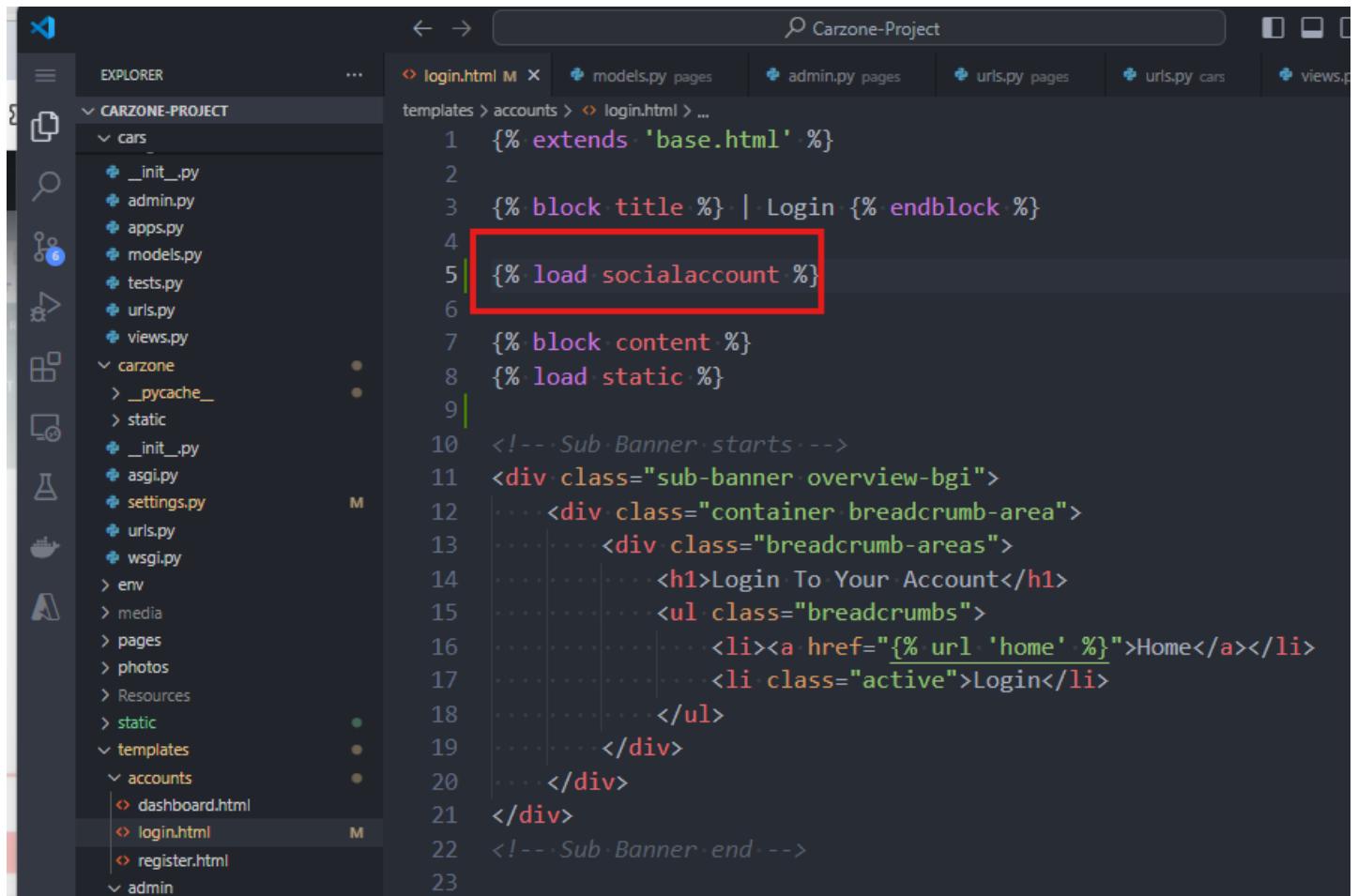
In the course, the SITES that is displayed is LOCALHOST, while in my Admin Panel, it shows EXAMPLE.COM

14. Update now the LOGIN.HTML to link to our Google Sign-in. Use this [documentation](#) how to call the social media login.

FROM:

```
<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>
```

TO:



```

1  {% extends 'base.html' %} 
2
3  {% block title %} | Login {% endblock %} 
4
5  {% load socialaccount %} 
6
7  {% block content %} 
8  {% load static %} 
9
10 <!-- Sub-Banner starts --> 
11 <div class="sub-banner overview-bgi"> 
12   <div class="container breadcrumb-area"> 
13     <div class="breadcrumb-areas"> 
14       <h1>Login To Your Account</h1> 
15       <ul class="breadcrumbs"> 
16         <li><a href="{% url 'home' %}">Home</a></li> 
17         <li class="active">Login</li> 
18       </ul> 
19     </div> 
20   </div> 
21 </div> 
22 <!-- Sub-Banner end --> 
23

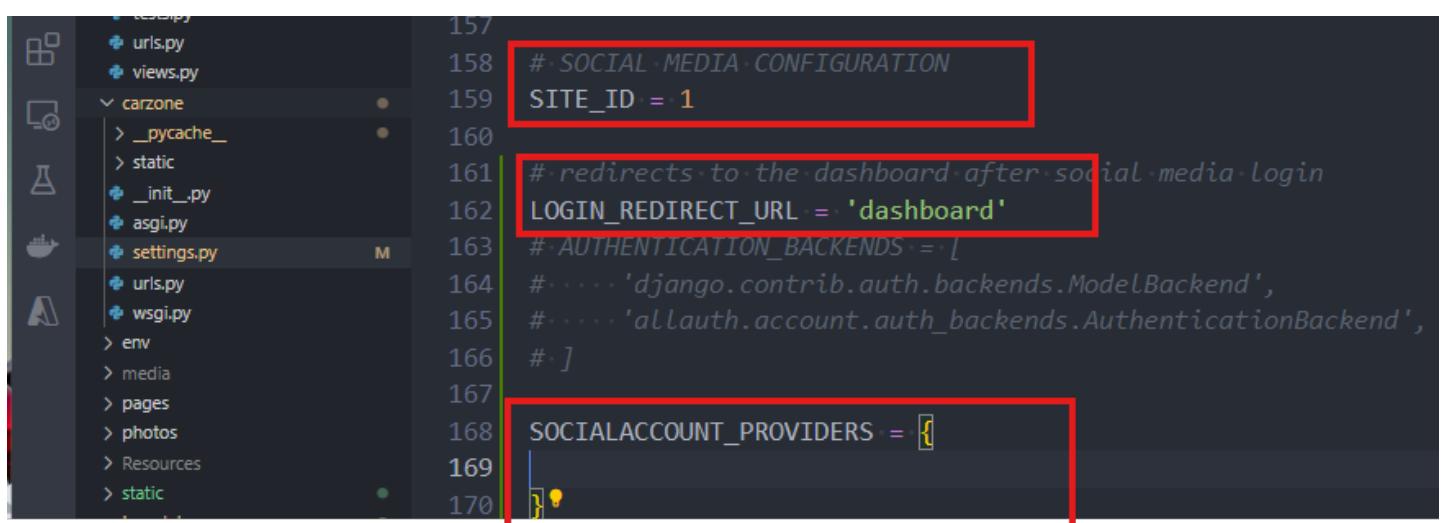
```

```

<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="{% provider_login_url 'google' %}" class="google-bg"><i class="fa fa-google google-i"></i><span>Google</span></a></li> 
</ul>

```

15. When you REGISTER and create a new user, it gives you an error because you have added AUTHENTICATION_BACKEND. So you remove this and to make sure that when the user logins using Google, it is directed to the DASHBOARD, we add this:



```

157
158 # SOCIAL MEDIA CONFIGURATION
159 SITE_ID = 1
160
161 # redirects to the dashboard after social media login
162 LOGIN_REDIRECT_URL = 'dashboard'
163 # AUTHENTICATION_BACKENDS = [
164 #     'django.contrib.auth.backends.ModelBackend',
165 #     'allauth.account.auth_backends.AuthenticationBackend',
166 # ]
167
168 SOCIALACCOUNT_PROVIDERS = [
169
170

```

16. When you click on Google Sign - In, this shows. Click on CONTINUE

Menu:

- [Sign In](#)
- [Sign Up](#)

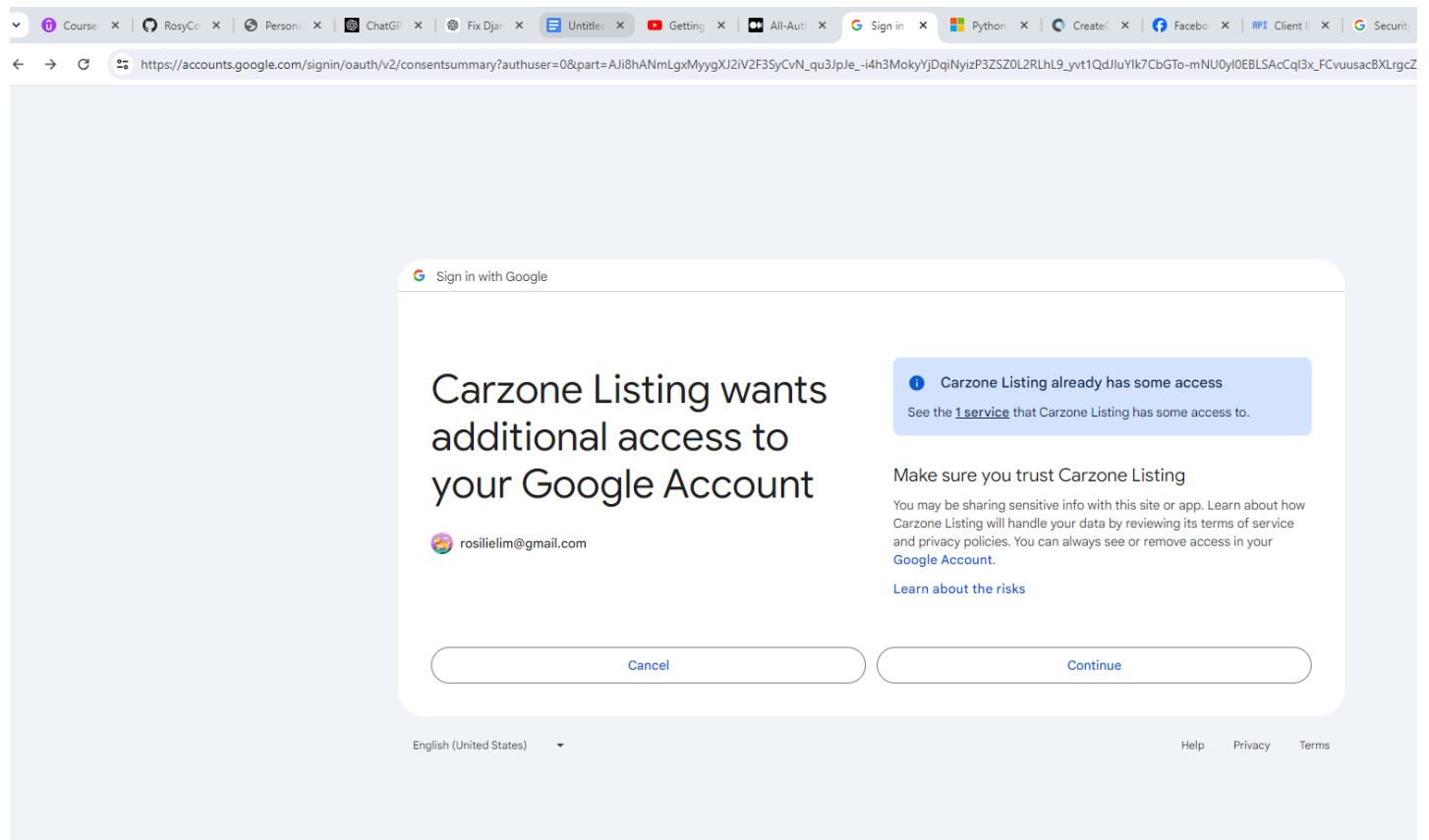
Sign In Via Google

You are about to sign in using a third-party account from Google.

[Continue](#)

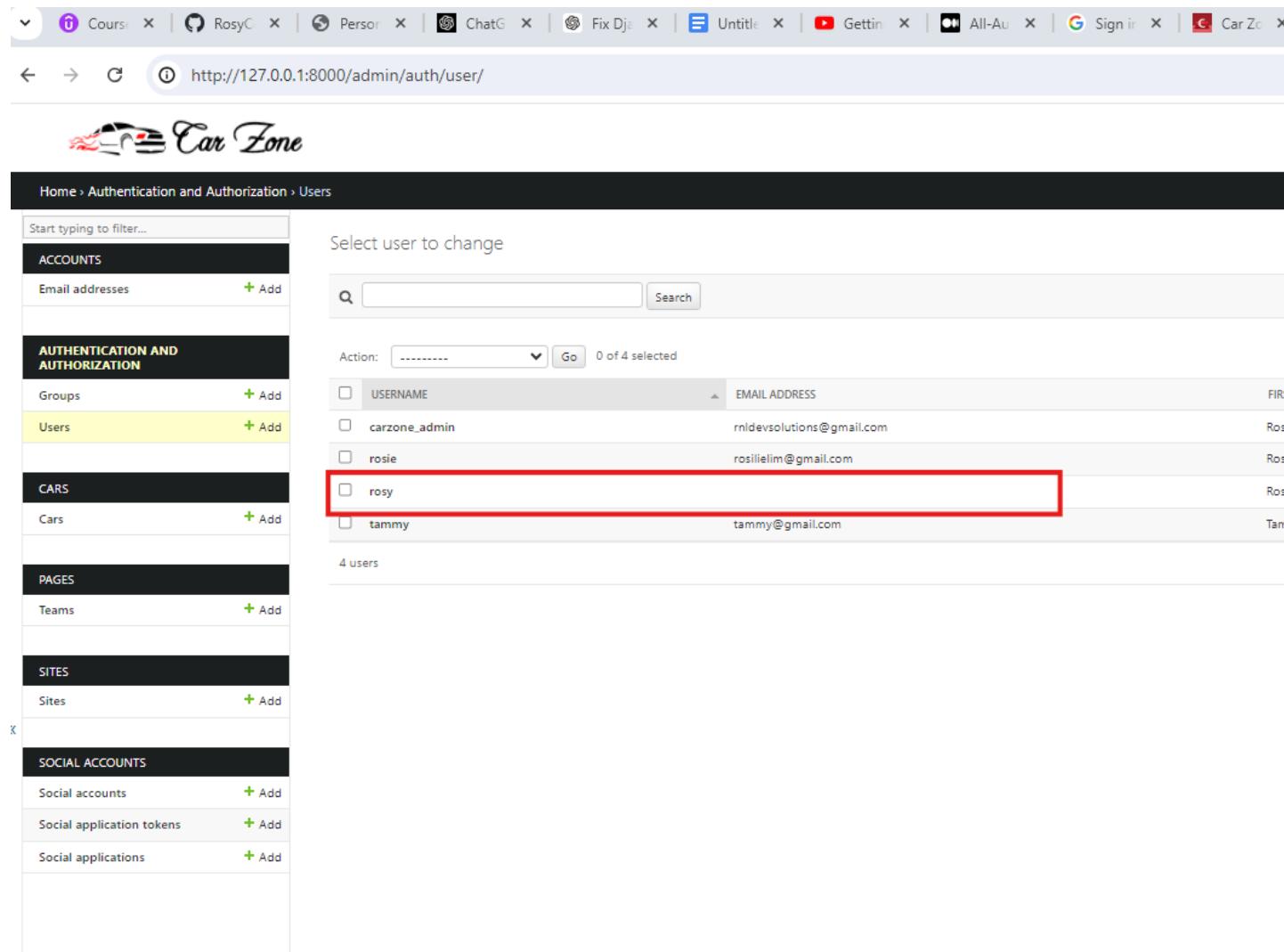
IF YOU WANT TO GO IMMEDIATELY TO THE SOCIAL MEDIA LOGIN PAGE, WE NEED TO ADD THIS LINE IN OUR SETTINGS.PY.

```
34 # redirects to the dashboard after verified social media login
35 LOGIN_REDIRECT_URL = 'dashboard'
36
37 # immediately redirects to the social media login page
38 SOCIALACCOUNT_LOGIN_ON_GET = True
39
```



17. ALSO, WHEN YOU SIGN-IN USING GOOGLE, IT CREATES A NEW ACCOUNT WITHOUT THE EMAIL YOU USED DURING REGISTRATION. So, when there is a person with an email like person@gmail.com with the name Person and when you login using Google using PERSON@GMAILCOM, it creates a new record with the name PERSON1.

EXAMPLE: WITHOUT registering my account but I signed in using Google with my email add, rosy61625@gmail.com, it creates a new record below in the admin panel;



The screenshot shows the 'Car Zone' admin interface. The left sidebar contains a navigation menu with sections: ACCOUNTS, AUTHENTICATION AND AUTHORIZATION, CARS, PAGES, SITES, and SOCIAL ACCOUNTS. Under AUTHENTICATION AND AUTHORIZATION, the 'Users' section is highlighted. The main content area is titled 'Select user to change' and shows a list of users. The 'rosy' user is selected and highlighted with a red box. The table columns are 'USERNAME' and 'EMAIL ADDRESS'. The users listed are: carzone_admin (rnldevsolutions@gmail.com), rosie (rosielilim@gmail.com), rosy (highlighted with a red box), and tammy (tammy@gmail.com). A total of 4 users are listed.

USERNAME	EMAIL ADDRESS
carzone_admin	rnldevsolutions@gmail.com
rosie	rosielilim@gmail.com
rosy	
tammy	tammy@gmail.com

18. YOU STILL NEED A FACEBOOK DEVELOPER ACCOUNT THAT REQUIRES CONFIRMATION. SO YOU CANT PROCEED WITH FACEBOOK LOGIN.



Rosilie, you submitted an appeal

ON JULY 22, 2024

Check back here for the result.

Your account is not visible to people on Facebook, and you can't use it.

What happens next?

- It usually takes us just over a day to review your information.
- If we find your account does follow our Community Standards, you'll be able to use Facebook again.

If we find your account doesn't follow our Community Standards,
• it will be permanently disabled and you won't be able to appeal again.

19.

For LINKEDIN, go to LINKED FOR DEVELOPERS and select CREATE AN APP. However, you can't do this because it requires an organization and network connection.

For your reference, you can use this [Youtube Video](#)

https://www.linkedin.com/developers/apps/new

in DEVELOPERS Products Docs and tools Resources My apps

Create an app

* indicates required

App name*
Carzone Listing

LinkedIn Page*
This action can't be undone once the app is saved.
Enter your company's name or LinkedIn Company Page URL (eg, https://www.linkedin.com/company/...)

For Third Party/Enterprise Developers: The LinkedIn Company Page you select will be associated with your app. Verification can be done by a Page Admin. Please note this cannot be a member profile page.

For Individual Developers: API products available to individual developers have a default Company page associated with them and you must select that default Company page to proceed.

To learn more about the products and the default Company pages, click [here](#).

+ Create a new LinkedIn Page

Privacy policy URL
Begin with http:// or https://

App logo*
This is the logo displayed to users when they authorize with your app

 Upload a logo

Square image recommended. At least one dimension should be at least 100px.

Legal agreement
When you develop on our platform, you are agreeing to be bound by our [API Terms of Use](#).

I have read and agree to these terms

Cancel Create app

