Topic: Car Listing: Deployment using Heroku Part 19C

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

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1. After the corrections made in my SETTINGS.PY

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

import os
# we add this block for HERUKU deployment
import django_heroku
import dj_database_url
```

The ALLOWED_HOST is HEROKU'S provided domain name:

```
# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = False

# Ccustomize this to add for your Heroku's default domain, and your puchased domain name
ALLOWED_HOSTS = ['lit-cliffs-98316-70180276948a.herokuapp.com',]
```

Make sure that WHITENOISE MIDDLEWARE is above other middleware because 3rd party applications may require this. See the documentation here.

```
MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    # for HEROKU deployment
    'whitenoise.middleware.WhiteNoiseMiddleware',
    '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',


]
```

This is the DATABASE_URL after you made the second app and deleted the first one.

```
# HEROKU CREDENTIALS AND USE OF ENVIRONMENT VARIABLES PROVIDED
DATABASES = {'default': dj_database_url.config(
    default='postgres://uacp2joia9miv5:pfdb946d08413449c74196a586d2757b3a0366f1cd746406af51e9f57efd69ada@c8lj070d5ubs83.cluster-czrs8kj4isg7.us-east-1.rds.amazonaws.com:5432/d44bqh6timinvv')}
```

This is the STATIC FILE CONFIGURATIONS where STATIC_ROOT uses STATICFILES folder instead of the STATIC value that Rathan uses. This is what the HEROKU documentation requires.

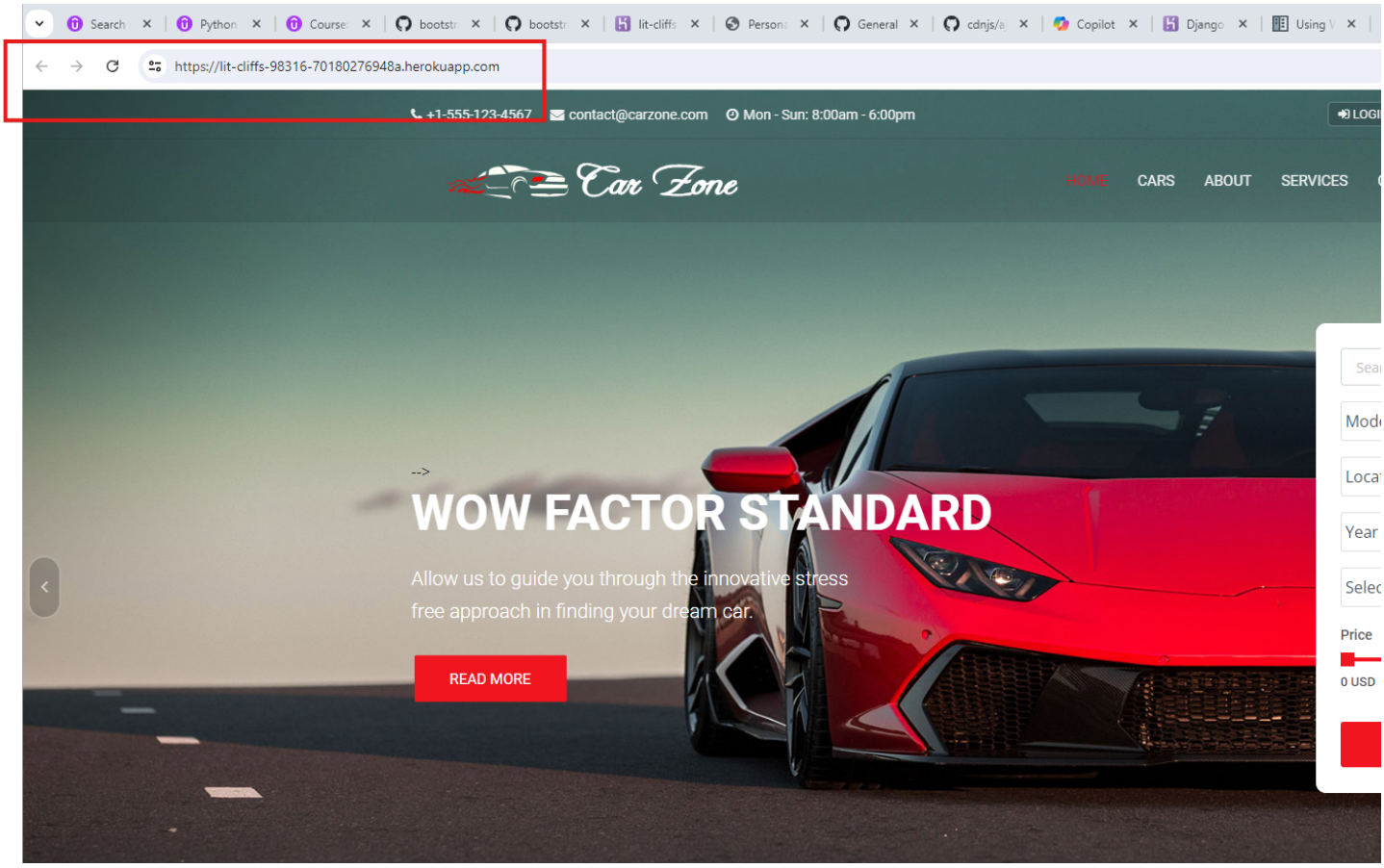
```
# STATIC FILE CONFIGURATON
STATIC_URL = '/static/'
# creates this new folder and copies all the static files TO this new folder  after COLLECTSTATIC is issued
STATIC_ROOT = os.path.join(BASE_DIR, 'staticfiles')
# this is where our static files are copied FROM
STATICFILES_DIRS = [
    os.path.join(BASE_DIR, 'carzone/static'),
]
```

This is our STATIC STORAGE:

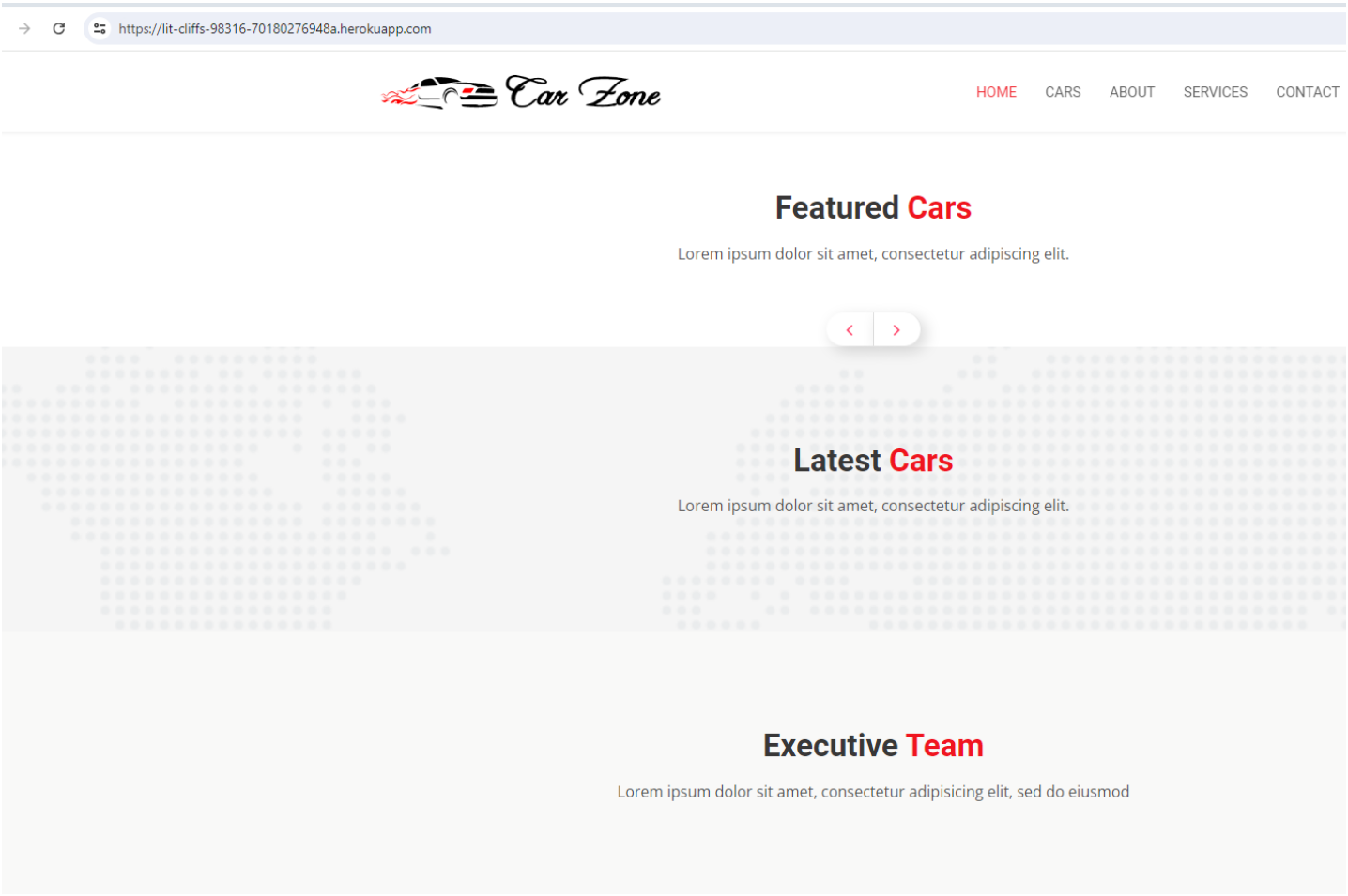
```
# Whitenoise Configuration for HEROKU deployment
STATICFILES_STORAGE = 'whitenoise.storage.CompressedManifestStaticFilesStorage'
WHITENOISE_SKIP_MISSING_FILES = True
WHITENOISE_MANIFEST_STRICT = False
```

2. Run `HEROKU OPEN` and the app should open. The address is the random name that Heroku gave our app. You can replace this if you purchase a DOMAIN like from NAMECHEAP or GoDADDY!

```
        prune
(env)
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)
$ heroku open
(env)
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)
```



3. When you open the app, the images for the TEAM, FEATURED CARS wont show up. So you now need to load the JSON file to upload all our sample records that we did locally through our computer/laptop.



4. We remove the /MEDIA file from .GITIGNORE.

5. We load our JSON file into HEROKU SERVER

python manage.py loaddata project_dump.json

6. We changed our DEBUG to TRUE

7. We pushed our changes to Heroku Server and we now see our media files.

8. But we encounter errors when we login. We can fix this via the ADMIN PANEL if you can access it otherwise, we use the Python shell to activate our admin site.

We issue the codes using Python shell:

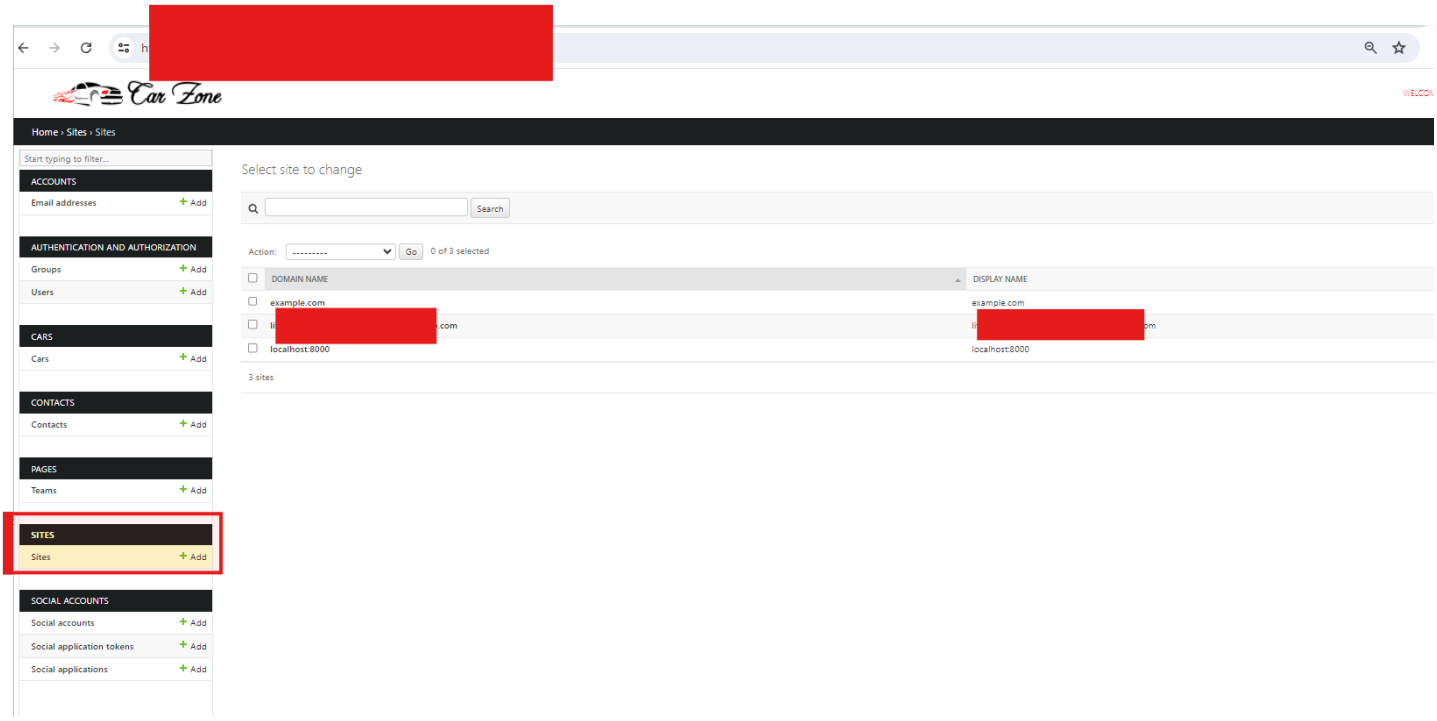
9. To get the SITE_ID of our heroku app:

```
>>> print(Site.objects.get(name='lit-cliffs-98316-70180276948a.herokuapp.com').id)
print(Site.objects.get(name='lit-cliffs-98316-70180276948a.herokuapp.com').id)
3
>>> Terminate batch job (Y/N)? Y
Y
```

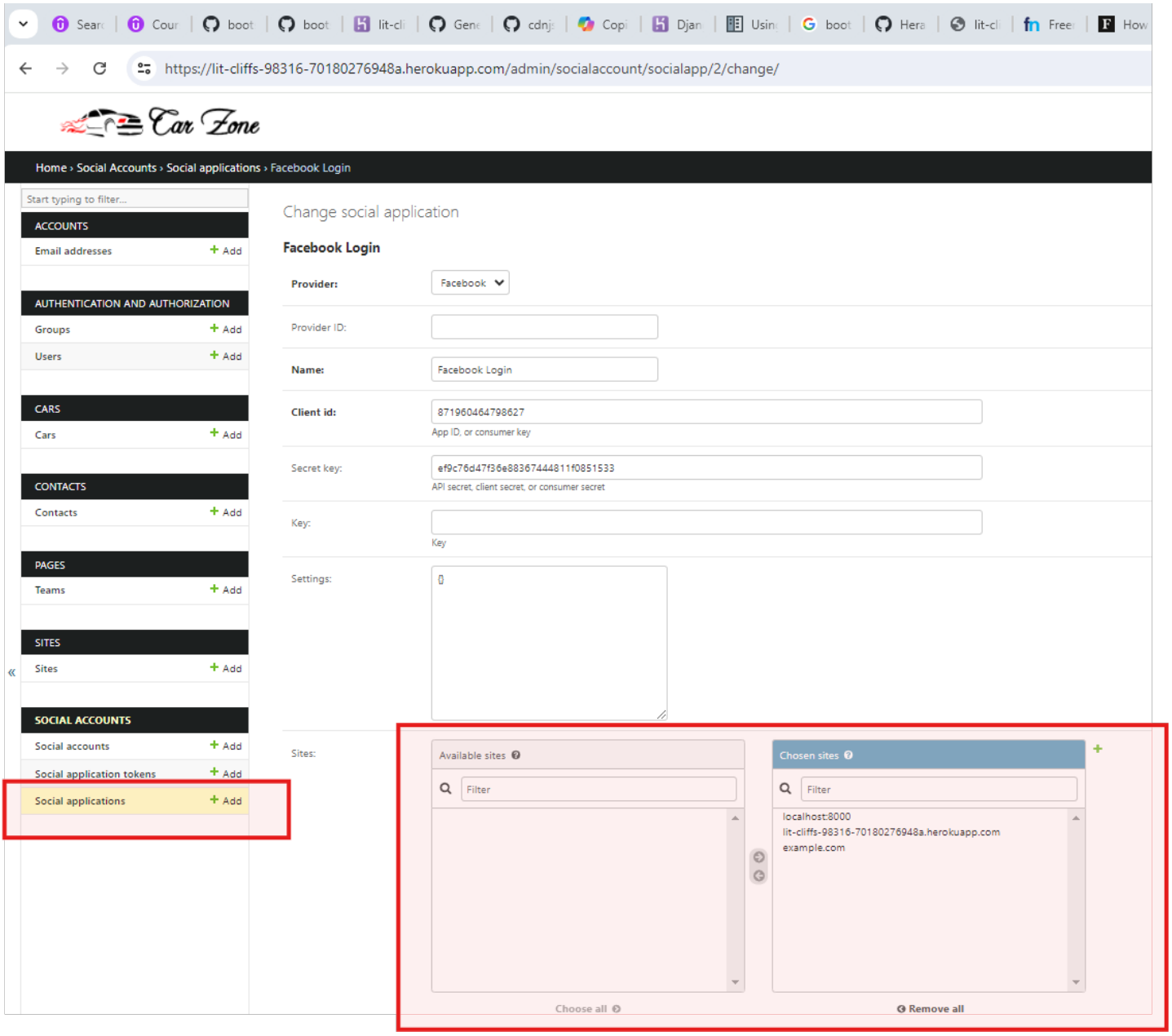
So we changed SITE_ID in SETTINGS.PY:

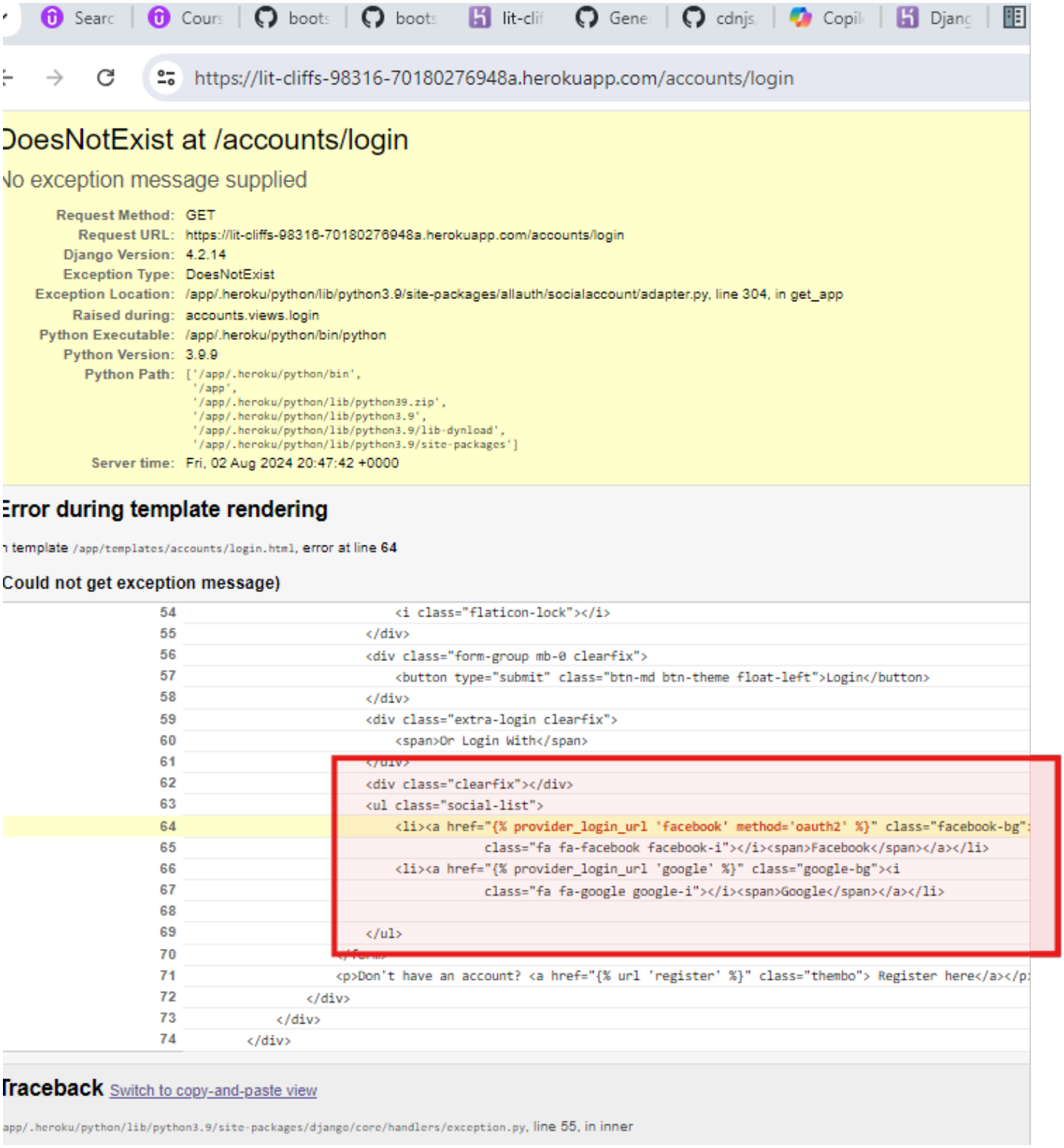
```
187
188  # SOCIAL MEDIA CONFIGURATION
189  # SITE_ID = 1 # localhost ID
190  SITE_ID = 3  # heroku's current app URL
```

10. Run your admin panel and you should be able to see your registered app domain name.



11. We get the error because of Facebook and Google configurations. So go back to the admin panel and make sure we add our newly registered domain.





12. You can now log in and add like messages. The admin can view the details of this messages via the admin dashboard.

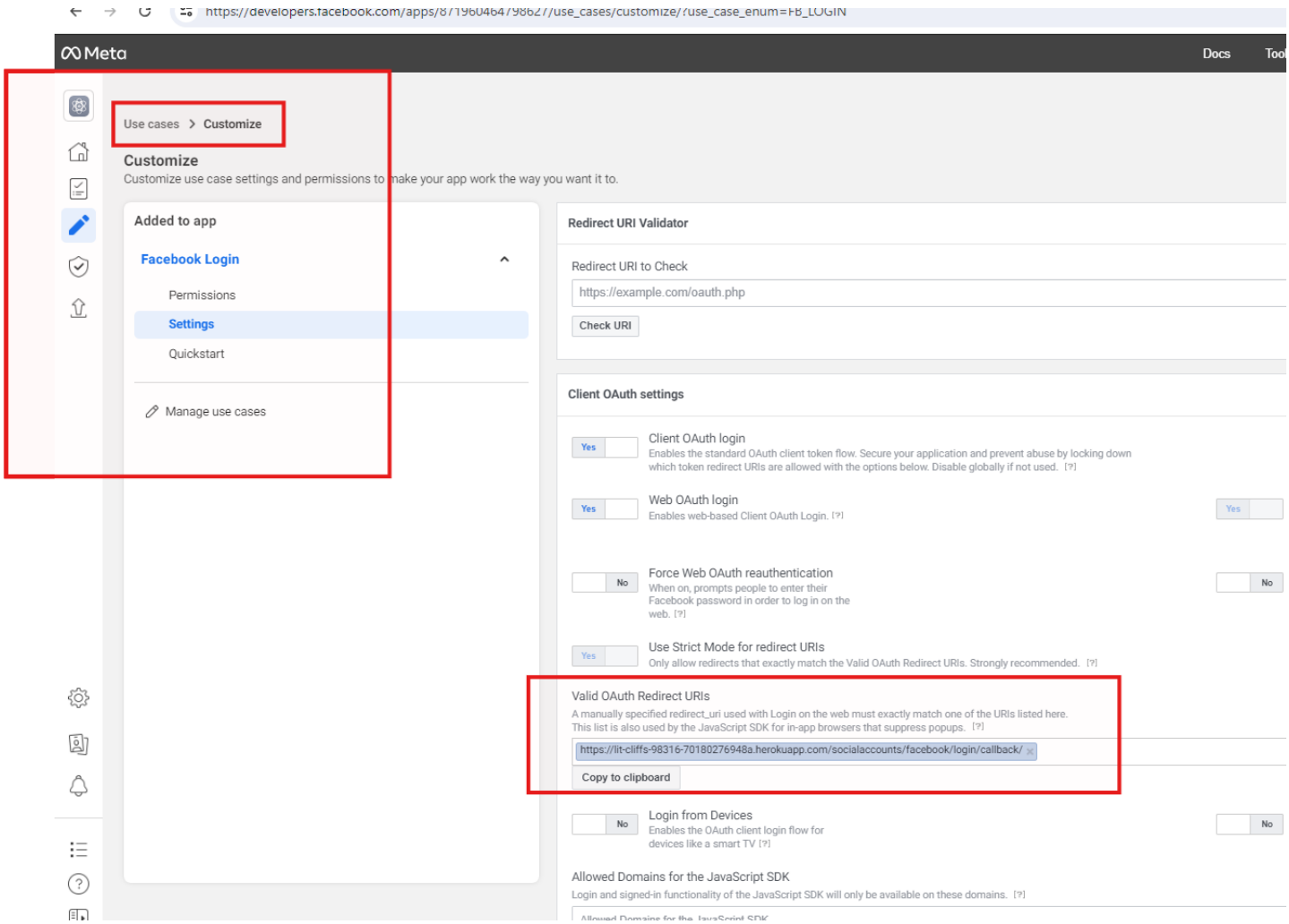
13. Next we need to fix the Social Media Login since we have a new domain name BUT YOU NEED YOUR SSL so get this from heroku dashboard but this requires configuration. For practice, just copy the website's complete addres that has SSL

Go to DEVELOPERS.FACEBOOK.COM and update your new domain name.

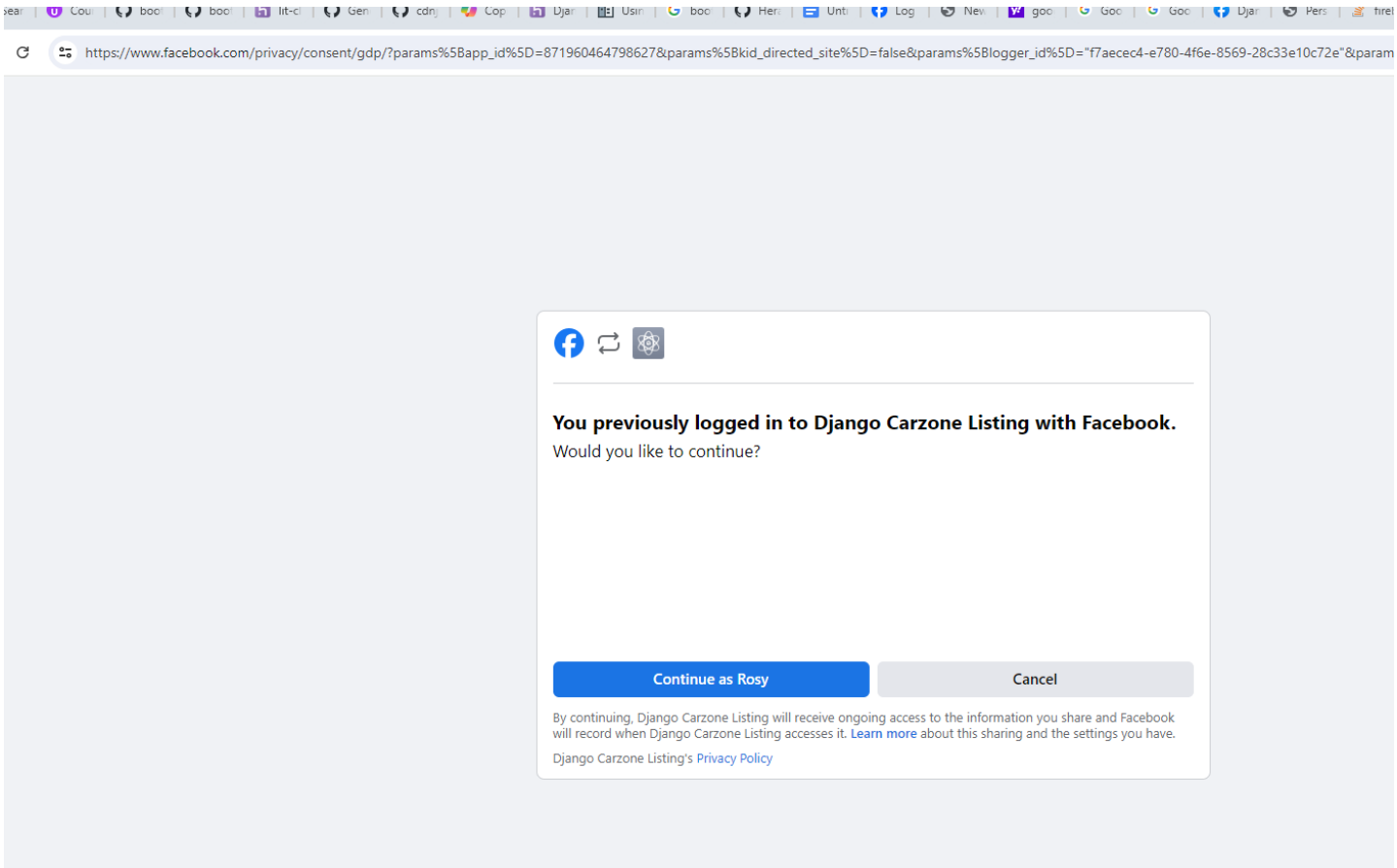
FROM:

TO:

14. We add the **Valid OAuth Redirect URIs** t
too, `https://lit-cliffs-98316-70180276948a.herokuapp.com/socialaccounts/facebook/login/callback/` Take note of the URL you have when you login. This is the URL you set in your URLS.PY. So on FACEBOOK DEVELOPERS dashboard, we add Click on



You should be able to proceed now with your Facebook login:



15. We do the same for GOOGLE LOGIN. Go to [Google Developers' Console]() and update the URLs.

16. Now load and test your page.

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