Speaker: | Notebook: Django Project: Car Listing



Instead of explicitly adding the sensitive data like SECRET_KEY, DATABASE_URL, EMAIL AND PASSWORD, we can ENVIRONMENT VARIABLES in our .ENV file and setup our SETTINGS.PY to call this.

We can use CONFIG or GETENV FUNCTIONS.

In this project, we use GETENV.

1. Install DOT_ENV. Make sure to add this in your REQUIREMENTS.TXT

pip install python-dotenv

2. Create a .ENV file and set it up

SECRET_KEY=your-secret-key

✓ CARZONE-PROJECT Ð 2 DATABASE_URL=p 4 EMAIL_HOST_PASSWORD=> 🔹 __init__.py 💩 wsgi.py <u>......</u> > static .gitignore ≣ db.sqlite3 🔮 manage.py H Procfile {} project_dump.jsor ■ requirements.txt

DATABASE_URL=postgres://your-database-user:your-database-password@your-database-host:your-database-port/your-database-name

3. Modify your SETTINGS.PY

import os import dj_database_url from dotenv import load_dotenv

Load environment variables from .env file load_dotenv()

```
# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = os.getenv('SECRET_KEY')
# Database
DATABASES = {
  'default': dj_database_url.config(default=os.getenv('DATABASE_URL'))
}
```

```
#Email configurations
```

EMAIL_HOST = 'smtp.gmail.com'

EMAIL_PORT = 587

EMAIL_HOST_USER = os.getenv('EMAIL_HOST_USER')

EMAIL_HOST_PASSWORD = os.getenv('EMAIL_HOST_PASSWORD')

EMAIL_USE_TLS = True



~	•	192	
Ý	e asgi.py	193	# Email Setup
<u>.</u> п	🔮 urls.pv	194	EMAIL HOST = 'smtp.gmail.com'
5	🔹 wsgi.py	195	EMATL PORT = 587
<u></u>	> contacts	196	EMATL HOST LISER - os getenv('EMATL HOST LISER')
	> env	107	EMAIL_HOST_DOEK = 03.getenv(EMAIL_HOST_DOEK)
д	> media	197	EMAIL_HOSI_PASSWORD = os.getenv('EMAIL_HOSI_PASSWORD')
	> pages	198	EMAIL_USE_TLS = True

4. In your .GITIGNORE file, make sure .ENV is included so that when you pushed your files/folders to HEROKU SERVER, it's not added.

5. Now push all the changes to our Heroku server:

GIT STATUS

GIT ADD -A

GIT COMMIT -M "Your comment"

GIT PUSH HEROKU MAIN

6. To make sure that Heroku doesn't expose your sensitive data, we add this code in our Heroku CLI terminal

heroku config:set SECRET_KEY='your-secret-key' heroku config:set

DATABASE_URL='postgres://your-database-user:your-database-password@your-database-host:your-database-port/your-database-name'

heroku config:set EMAIL_HOST_USER ='your-email_address'

heroku config:set EMAIL_HOST_PASSWORD ='your-email_password'

MINGW64:/c/Users/Rosilie/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project
remote: No migrations to apply. remote: Waiting for release done. To https://git.heroku.com/lit-cliffs-98316.git 6842bc55370b05 main -> main
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main) \$ heroku config:set SECRET_KEY=79wc33dl6fo^co%2d%@2@vq%a6k8_5er=@(vxi=383!g%\$re\$u heroku config:set SECRET_KEY=79wc33dl6fo^co%2d%@2@vq%a6k8_5er=@(vxi=383\$re\$u hesh: svntax erron near unexpected token `C
(env) Rosilie@DELL MINGW64 ~/OneDrive/Deckton/LEARNING_DIANCO_DROIECTS/Congene_Droject (main) \$ heroku config:set SECRET_KEY='7 u'
(env)
Rosilie@DELL MINGW64 ~/OneDrive/Deskton/LEARNING_DIANGO_PROIECTS/Carzone-Project (main) \$ heroku_config:set_DATABASE_URL='; c
Setting DATABASE_URL and restarting lit-cliffs-98316 done, v11 DATABASE_URL: postgres://uacp2joia9miv5:pfdb946d08413449c74196a586d2757b3a0366f1cd746406af51e9f57efd69ada@c8lje er-czrs8kj4isg7.us-east-1.rds.amazonaws.com:5432/d44bqh6timinvv (env) Rosilie@DELL MINGW64 ~/OneDrive/Deskton/LEARNING_DIANGO_PROJECTS/Carzone-Project (main) \$ heroku config:set EMAIL_HOST_USER='
(env) Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING_DIANGO_PROJECTS/Carzone-Project (main) \$ heroku config:set EMAIL_HOST_PASSWORD=' Setting EMAIL_HOST_PASSWORD and restarting lit-cliffs-98316 done, v13
(env) Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main) \$ git status
Your branch is ahead of 'origin/main' by 15 commits. (use "git push" to publish your local commits)
nothing to commit, working tree clean
Rosilie@DELL MINGW64 <mark>~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)</mark> 5 heroku open
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main) \$

7. Using HEROKU OPEN, you can load your app again and test for database functionality.

8. Since our environment variables are all successfully setup, make sure that we update our GITHUB REPO. So we use HEROKU LOGOUT to logout from Heroku server. Then, in the terminal we issue our commands:

GIT STATUS

GIT ADD -A

GIT COMMIT -M "Your comment"

GIT PUSH ORIGIN MAIN

MINGW64:/c/Users/Rosilie/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project	
Rosilie@DELL MINeW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main) \$ heroku open (env)	
RecivitedDELL_MINCWC1OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)	
\$ heroku logout	
(env)	
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)	
s neroku open heroku: Press anv key to open up the browser to login or g to exit: g	
and the second sec	
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)	
\$ git status	
On branch main Your branch is should of lowing (main) by 15 commits	
(use "git push" to publish your local commits)	
(use gre push co publish your rocar commes)	
nothing to commit, working tree clean	
(env)	
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)	
\$ git add -A	
(env) Rosilie@DELL_MINGW64 ~/OneDrive/Deskton/LEARNING_DIANGO_PROIECTS/Carzone-Project (main)	
\$ git commit -m "Set up environment variables"	
On branch main	
Your branch is ahead of 'origin/main' by 15 commits.	
(use "git push" to publish your local commits)	
nothing to commit working tree clean	
(env)	
Rosilie@DELL MINGW64 ~/OneDrive/Desktop/LEARNING DJANGO PROJECTS/Carzone-Project (main)	
\$ git push origin main	
Enumerating objects: 113, done.	
Counting objects: 100% (119/119), done.	
Compressing objects: 100% (108/108) done	
Writing objects: 100% (111/111), 2.78 MiB 3.06 MiB/s. done.	
Total 111 (delta 45), reused 0 (delta 0), pack-reused 0	
remote: Resolving deltas: 100% (45/45), completed with 7 local objects.	
To https://github.com/RosyCodes/carzone-listing.git	
a284/4353/0b05 main -> main	
Rosilie@DELL_MINGW64 ~/OneDrive/Desktop/LEARNING_DIANGO_PROIECTS/Carzone-Project (main)	

9. View your Github for the latest updates.

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