# Topic: Car Listing: Deployment using Heroku Part 19A

## Speaker: | Notebook: Django Project: Car Listing



1. Dump or create a copy of your PostgreSQL dtabase and its records into a JSON file. We issue the command below in our GitBash Terminal

\$ python manage.py dumpdata --natural-foreign --natural-primary -e contenttypes -e auth.Permission --indent 4 > project\_dump.json

This will produce a new file called PROJECT\_DUMP.JSON that contains all the models and the records we have made.

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2. Now, to deploy the project in HEROKU, create a new account in HEROKU.



3. Update your .GITIGNORE FILE, remove the following from the .GITIGNORE file:

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4. Create new files called runtime.txt and Procfile in the root directory.

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5. In the Procfile file, type the following. Carzone here is the name that we we see in CARZONE\WSGI.PY file. So, if your project name is different, then update accordingly.

# release: python manage.py migrate web: gunicorn carzone.wsgi

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6. In the RUNTIME.TXT, we type the version of Python that we used.

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To find out your Python version, type



7. Update our REQUIREMENTS.TXT by using the code below:

#### \$ pip freeze > requirements.txt

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8. Use this HEROKU DOCUMENTATION as a guide. We need to INSTALL HEROKU CLI.

We get inside our project folder and open GitBash here. PREVIOUSLY, WHAT YOU HAVE BEEN USING WAS THE GITBASH TERMINAL IN VS CODE.

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9. In the GitBash terminal, make sure you activate your virtual environment.

## \$ source env/Scripts/activate

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10. Now, when you type HEROKU LOGIN in the terminal, you should be able to use this:



11. This should open the HEROKU CLI PAGE:

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Click LOGIN. If you were not currently logged in Heroku, you will need to login using your email address and password.



12. Press CTRL+C to terminate from the HEROKU INTERFACE to install GUNICORN. Type N'



13. To know who is the logged in user or if you have logged out. Type



14. Install the 2 packages, GUNICORN and PSYCOPG2-BINARY. If you open your DIGITAL NOTEBOOK PROJECTS, these are the packages that were used too since both projects use PostgreSQL.



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MyPhotos	db.sqlite3	7/10/2024 2:41 PM	SQLITE3 File		manage.py	66 django.middleware.clickjacking.XFrameOption
	e manage	7/10/2024 2:35 PM	Python Sourc		() project_dump.json	6/ ····#·allauth·account·miaaleware·for·social·logi
🗸 🛄 This PC	Procfile	7/25/2024 3:22 PM	File		requirements.txt	68 provide allauth.account.middleware.Accountmiddleware
> 🏪 OS (C:)	0 project_dump	7/25/2024 3:12 PM	JSON Source		F runtime.txt	
> 👝 DATA (D:)	requirements MINGW64:/c/Use	ers/Rosilie/OneDrive/Desktop/	'LEARNING DJANGO	PROJEC		
> - DATA - ROSILIE (F:)	s heroku whoami					problems output debug console <b>terminal</b> ports azure + ~ ··· ^
> 🥍 Network	» warning: her	oku update available t	rom 7.53.0 to 9.	.0.0.		D server Microsoft
A linux	Rosilie@DELL MING	W64 ~/OneDrive/Desktop	/LEARNING DJANG	0 PROJECTS/Carzo	one-Proje <mark>ct</mark>	Downloading whitenoise-6.7.0-py3-none-any.whl (19 kB)
19 items	\$ pip install gun	icorn psycopg2-binary				Installing collected packages: whitehoise, psycopg2, dj-database-uri, i Dash Microsoft V django_heroku
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15. With the newly installed packages, update your REQUIREMENTS.TXT using PIP FREEZE.



16. See the next part in Heroku deployment.

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