

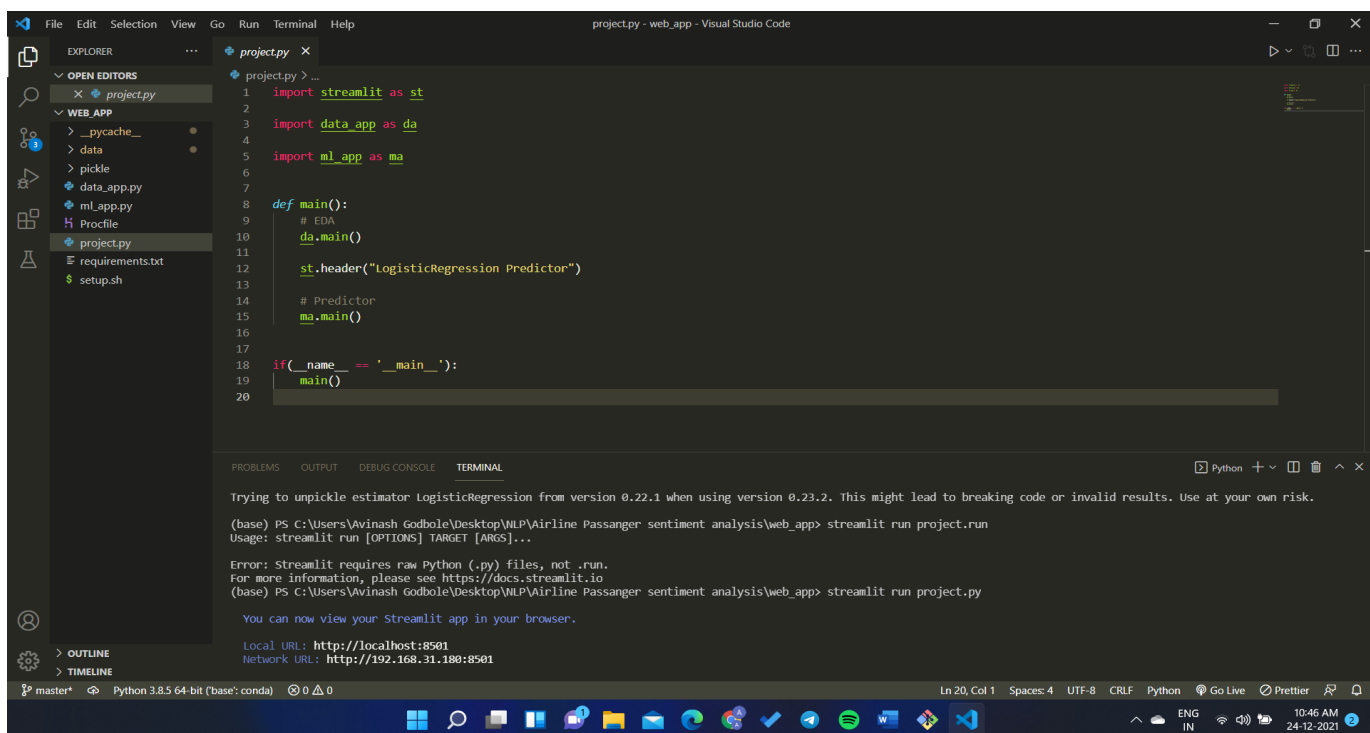
Streamlit app deployment on Heroku

Welcome to step-by-step procedure on how to deploy your Streamlit app to Heroku. Heroku is a cloud [platform as a service](#) (PaaS) supporting several [programming languages](#). It is a platform for modern app deployment, management, and scaling. Heroku allows developers to concentrate on their core product without having to worry about server, hardware, or infrastructure maintenance.

I assume you have already completed your app and you are at the final stage of deploying your project.

Step 1: Run Your Streamlit app locally

Just use command : `streamlit run app.py`



```
File Edit Selection View Go Run Terminal Help
project.py - web_app - Visual Studio Code

EXPLORER
  OPEN EDITORS
    project.py
  WEB_APP
    _pycache_
    data
    pickle
    data_app.py
    ml_app.py
    Profile
    project.py
    requirements.txt
    setup.sh

project.py
1 import streamlit as st
2
3 import data_app as da
4
5 import ml_app as ma
6
7
8 def main():
9     # EDA
10    da.main()
11
12    st.header("LogisticRegression Predictor")
13
14    # Predictor
15    ma.main()
16
17
18 if __name__ == '__main__':
19     main()
20

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python

Trying to unpickle estimator LogisticRegression from version 0.22.1 when using version 0.23.2. This might lead to breaking code or invalid results. Use at your own risk.
(base) PS C:\Users\Avinash Godbole\Desktop\WLP\Airline Passanger sentiment analysis\web_app> streamlit run project.py
Usage: streamlit run [OPTIONS] TARGET [ARGS]...

Error: Streamlit requires raw Python (.py) files, not .run.
For more information, please see https://docs.streamlit.io
(base) PS C:\Users\Avinash Godbole\Desktop\WLP\Airline Passanger sentiment analysis\web_app> streamlit run project.py

You can now view your Streamlit app in your browser.

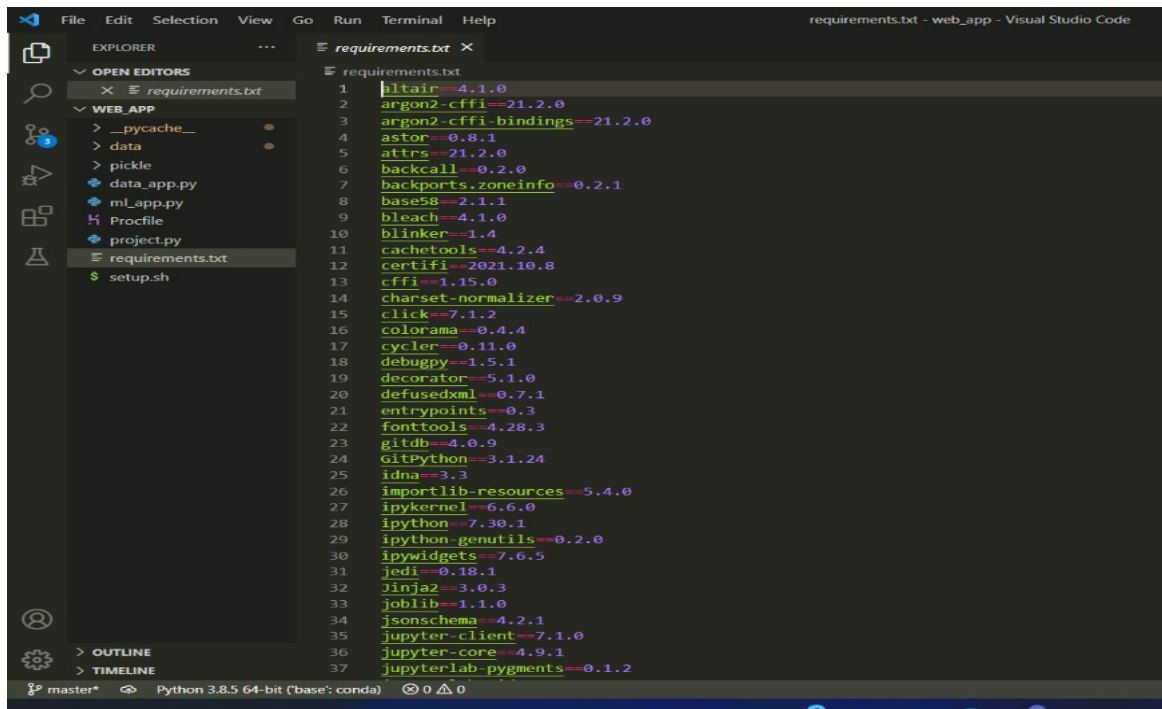
Local URL: http://localhost:8501
Network URL: http://192.168.31.180:8501

Ln 20, Col 1 Spaces: 4 UTF-8 CRLF Python Go Live Prettier
```

Step 2 : Create Free account on Heroku website and install Heroku cli and also git required to run command so install git.

Step 3: Create a requirements.txt, setup.sh, and Procfile.

requirements.txt: Create a requirements.txt file (**No capital letters!**) and add all the libraries to that file you are using in your python script.



setup.sh: The next file is the setup.sh file. This is a shell file, and you need to add the following shell command inside the file.

```
mkdir -p ~/.streamlit/echo "\
[server]\n\
headless = true\n\
port = $PORT\n\
enableCORS = false\n\
\n\
" > ~/.streamlit/config.toml
```

Procfile: Inside your directory, create a text file and call it “Procfile.” Inside the file, copy-paste the following code:

```
web: sh setup.sh && streamlit run project.py
```

step 4 : Connect to Heroku

Once you have created all the required files, it's now time to set up your app so it can interact with Heroku.

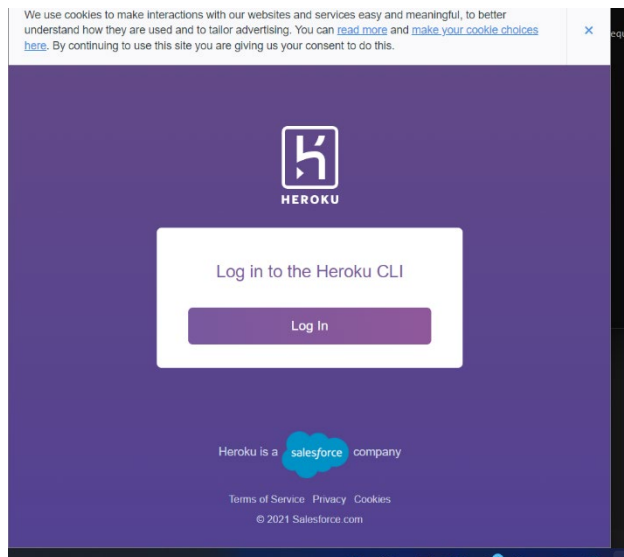
The first thing you will do is make sure you have installed Heroku on your machine and created a free account. it's time to log in to your Heroku account from the terminal. Run the following command in your terminal:

```
heroku login
```

The terminal returns the following line:

heroku: Press any key to open up the browser to login or q to exit:"

press any key and login in browser.



Here I am creating an app called "sample_app22a". If you don't specify a name, it will create an app with random numbers. Hence I suggest picking a name for your app.

```
heroku create web_app22
```

The last step is to push our files to Heroku. use following command

```
git push heroku master
```

Once you executed the command above, it will take a couple of seconds for Heroku to install all the libraries and set up your app. You will see a URL in the output, and that will be the URL of your app. Please see below for reference.

<https://sentiment-analysis-airpassenge.herokuapp.com/>

