

Name: Shuyi Yu

Project Name: AirCrashPrediction

for Week 4 Flask deployment : <http://127.0.0.1:5000/>

Batch code AirCrashPrediction.ipynb

Submission date: 8/27/2024

Submitted to: <https://github.com/shuyi95/AirCrashPrediction>

Internship provider: Data Glacier

See attachments below

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imiter:

	Report	Part Failure	Occurrence Nature condition
1	VA. MEL CONTINUES. M PROCEDURES RE-COMPLIED WITH.	RT MLG BRAKE DAMAGED	WARNING INDICATION
2	DEFECTS NOTED. THE AIRCRAFT WAS SENT FOR FLIGHT E	ZONE 700 MALFUNCTIONED	WARNING INDICATION
3	TOTAL CYCLES OF THE PART THAT FAILED IS NOT TRACKED.	HYD FILTER FAILED	OTHER
4	DRS WERE OPEN AT THE TIME OF THE LEFT LANDING GEAR	LEFT COLLAPSED	OTHER
5	HAD TO REJECT THE TAKEOFF AND RETURN TO THE FBO.	ZONE 600 CRACKED	WARNING INDICATION
6	MLURE OF THE #1 ENGINE HP FUEL PUMP DRIVE COUPLING	NR 1 FUEL PUMP FAILED	ENGINE FLAMEOUT
7	IR REPLACED WITH NEW AND THE COLLAR WAS REMOVED.	EMER BATTERY FAILED	ELECT. POWER LOSS-50 PC
8	HEATED RH AUX HEATER TO BE SOURCE OF SMOKE/OODOR.	REAR CABIN BAGGA BURNED OUT	MOKE/FUMES/ODOORS/SPARKS
9	ENT, COMPLIED WITH CHECKLISTS AND DIVERTED TO ROC.	ZONE 200 BROKEN	OTHER
10	ATHER AT THE FIELD 2130Z 130Z/MP5 9000 NSC -29/-32 1034	LT ELEVATOR ILLUMINATED	WARNING INDICATION
11	EDDY CURRENT INSPECTION REQUIRED BY AD 2020-26-16	RT WING CRACKED	OTHER
12	ECTLY AROUND THE EDGES OF THE STAMPED LETTERING.	ENGINE LEAKING	FLUID LOSS
13	AL ARM ASSEMBLY TO THE RUDDER PEDAL ASSEMBLY BAR.	RUDDER CRACKED	OTHER
14	ECTLY AROUND THE EDGES OF THE STAMPED LETTERING.	ENGINE LEAKING	FLUID LOSS
15	ECTLY AROUND THE EDGES OF THE STAMPED LETTERING.	ENGINE LEAKING	FLUID LOSS
16	ECTLY AROUND THE EDGES OF THE STAMPED LETTERING.	ENGINE LEAKING	FLUID LOSS
17	PASSENGER DOOR 2R DIFFICULT TO ARM	R2 MALFUNCTIONED	OTHER
18	TO BE WORN BEYOND LIMITS LIKELY CAUSING VIBRATION.	CRNKG COUNTWEIGHT WORN	ELECT. POWER LOSS-50 PC
19	N TAXI IN. THE AIRCRAFT IS CURRENTLY OUT OF SERVICE.	COCKPIT ODOR	WARNING INDICATION
20	R REPLACED BATTERY IAW 787 AMM 33-51-07 OPS CK GOOD	ZONE 800 DISCHARGED	OTHER
21	ED FOR REPAIRS AND MORE TROUBLE SHOOT OF SYSTEM.	WINDSHIELD LEAKING	WARNING INDICATION
22	HE AIRCRAFT LANDED IN IDAHO FALLS WITHOUT INCIDENT.	COCKPIT LEFT CRACKED	OTHER
23	URTHER DEFECTS REPORT AFTER SUBSEQUENT FLIGHTS.	MLG WW DIRTY	FALSE WARNING
24	DNDS. NO OTHER INDICATION OF FIRE FWD COMPARTMENT	FIRE DETECTION FALSE INDICATION	FALSE WARNING
25	ALVE WAS REPLACED IAW AMM 28-21-51, TESTED CORRECT.	FUEL SYSTEM DAMAGED	FALSE WARNING
26	IAW AMM TASK 29-11-11-000-400/801-001, TESTED CORRECT	HYD SYSTEM LOW PRESSURE	WARNING INDICATION
27	ST WAS PERFORMED IAW AMM 29-11-29, TESTED CORRECT.	HYD SYSTEM INOPERATIVE	WARNING INDICATION
28	520A-A AND DMC-8787-A-50-1-01-01A-720A-A, ALL CORRECT.	CARGO PDU FAILED	OTHER
29	AMM DMC-BT87-A-673-21-07-00A-520A-A, TESTED CORRECT.	ENG CONFIG FAILED	WARNING INDICATION
30	VER WING EMERGENCY EXIT FAILED OPERATIONAL CHECK.	ROW 18A NO TEST	NO TEST
31	GOVERNOR STOPPED THE OVERSPED FROM HAPPENING.	ENGINE FAILED	PARTIAL RPM/PMWR LOSS

```
Start login: Sun Aug 25 11:22:23 on tty008
shuiyu@Shuyis-Air ~ % cd /Users/shuiyuu/path/to/myenvn/AirCrash
shuiyu@Shuyis-Air AirCrash % touch app.py
shuiyu@Shuyis-Air AirCrash % python app.py
zsh: command not found: python
shuiyu@Shuyis-Air AirCrash % cd /Users/shuiyuu/path/to/myenvn/AirCrash
shuiyu@Shuyis-Air AirCrash % python app.py
zsh: command not found: python
shuiyu@Shuyis-Air AirCrash % pythons app.py
Traceback (most recent call last):
  File "/Users/shuiyuu/path/to/myenvn/AirCrash/app.py", line 1, in <module>
    from flask import Flask, request, jsonify
ModuleNotFoundError: No module named 'flask'
(mysvn) shuiyuu@Shuyis-Air AirCrash % source /Users/shuiyuu/path/to/myenvn/bin/activate
(myenvv) shuiyuu@Shuyis-Air AirCrash % pip install flask
Collecting flask
  Using cached flask-3.0.3-py3-none-any.whl.metadata (3.2 kB)
Collecting Werkzeug>=3.0.0 (from flask)
  Downloading werkzeug-3.0.4-py3-none-any.whl.metadata (3.7 kB)
Collecting Jinja2>=3.1.2 (from flask)
  Using cached jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)
Collecting itsdangerous>=2.1.2 (from flask)
  Using cached itsdangerous-2.0.0-py3-none-any.whl.metadata (1.9 kB)
Collecting click>=8.1.3 (from flask)
  Using cached click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker==1.6.2 (from flask)
  Using cached blinker-1.8.2-py3-none-any.whl.metadata (1.6 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->flask)
  Using cached MarkupSafe-2.1.5-cp312-cp312-macosx_10_9_universal2.whl.metadata (3.0 kB)
Using cached flask-3.0.3-py3-none-any.whl (181 kB)
Using cached blinker-1.8.2-py3-none-any.whl (9.5 KB)
Using cached click-8.1.7-py3-none-any.whl (97 kB)
Using cached itsdangerous-2.0.0-py3-none-any.whl (16 kB)
Using cached Jinja2-3.1.4-py3-none-any.whl (133 kB)
Downloaded werkzeug-3.0.4-py3-none-any.whl (227 kB)
Collecting MarkupSafe-2.1.5-cp312-cp312-macosx_10_9_universal2.whl (18 kB)
Installing collected packages: MarkupSafe, itsdangerous, click, blinker, Werkzeug, Jinja2, flask
Successfully installed Jinja2-3.1.4 MarkupSafe-2.1.5 Werkzeug-3.0.4 blinker-1.8.2 click-8.1.7 flask-3.0.3 itsdangerous-2.0.0
(myenvv) shuiyuu@Shuyis-Air AirCrash % python3 app.py
Traceback (most recent call last):
  File "/Users/shuiyuu/path/to/myenvn/AirCrash/app.py", line 5, in <module>
    model = pickle.load(open('air_crash_model.pkl', 'rb'))
              ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
ModuleNotFoundError: No module named 'sklearn'
(myenvv) shuiyuu@Shuyis-Air AirCrash % pip install scikit-learn
Collecting scikit-learn
  Using cached scikit_learn-1.5.1-cp312-cp312-macosx_12_0_arm64.whl.metadata (12 kB)
Requirement already satisfied: numpy=>1.19.5 in /Users/shuiyuu/path/to/myenvn/lib/python3.12/site-packages (from scikit-learn) (1.26.4)
Collecting scipy=>1.6.0 (from scikit-learn)
  Using cached scipy-1.14.1-cp312-cp312-macosx_14_0_arm64.whl.metadata (60 kB)
Collecting joblib=>1.2.0 (from scikit-learn)
  Using cached joblib-1.4.2-py3-none-any.whl.metadata (5.4 kB)
Collecting threadpoolctl=>3.1.0 (from scikit-learn)
  Using cached threadpoolctl-3.5.0-py3-none-any.whl.metadata (13 kB)
Using cached scikit_learn-1.5.1-cp312-cp312-macosx_12_0_arm64.whl (11.0 MB)
Using cached joblib-1.4.2-py3-none-any.whl (301 kB)
Using cached scipy-1.14.1-cp312-cp312-macosx_14_0_arm64.whl (23.1 MB)
Using cached threadpoolctl-3.5.0-py3-none-any.whl (18 kB)
Installing collected packages: threadpoolctl, scipy, joblib, scikit-learn
Successfully installed joblib-1.4.2 scikit-learn-1.5.1 scipy-1.14.1 threadpoolctl-3.5.0
```

Chrome File Edit View History Bookmarks Profiles Tab Window Help

localhost:8888/notebooks/AirCras... Finish update

Jupyter AirCrashPrediction Last Checkpoint: 16 hours ago

Edit View Run Kernel Settings Help Trusted

Code Python (myenv)

affect systems	1.00	0.05	0.09	62
elect. power loss-50 pc	1.00	0.00	0.00	4
engine flameout	1.00	0.09	0.17	11
engine stoppage	1.00	0.18	0.31	22
f.o.d.	0.92	0.18	0.30	61
false warning	0.82	0.45	0.59	504
flame/fire	0.00	0.00	0.00	14
flt cont affected	1.00	0.13	0.24	97
flt. attitude inst.	1.00	0.33	0.50	6
fluid loss	0.94	0.27	0.42	281
inadequate q c	0.75	0.05	0.10	56
inflight separation	0.50	0.09	0.15	11
multiple failure	1.00	0.41	0.59	29
no test	0.87	0.52	0.65	1101
no warning indication	1.00	0.03	0.06	65
other	0.92	0.99	0.95	24705
over temp	0.89	0.24	0.37	102
partial rpm/pwr loss	1.00	0.13	0.24	45
significant failure report	1.00	0.25	0.40	12
smoke/fumes/odors/sparks	0.86	0.81	0.83	630
vibration/buffet	1.00	0.08	0.16	71
warning indication	0.69	0.64	0.67	2120
accuracy			0.91	30009
macro avg	0.87	0.27	0.35	30009
weighted avg	0.90	0.91	0.89	30009

```
[20]: import joblib
      joblib.dump(model, 'air_crash_model.pkl')

[20]: ['air_crash_model.pkl']

[21]: import os
      notebook_dir = os.getcwd()
      print(notebook_dir)
      /Users/shuyiyu/path/to/myenv/AirCrash
```

AirCrash — Python · Python app.py — 89x63

```
shuyiyu@Shuyis-Air AirCrash % source /Users/shuyiyu/path/to/myenv/bin/activate
(myenv) shuyiyu@Shuyis-Air AirCrash % pip install flask
Collecting flask
  Using cached flask-3.0.3-py3-none-any.whl.metadata (3.2 kB)
Collecting Werkzeug>=3.0.0 (from flask)
  Downloading werkzeug-3.0.4-py3-none-any.whl.metadata (3.7 kB)
Collecting Jinja2>=3.1.2 (from flask)
  Using cached jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)
Collecting itsdangerous>=2.1.2 (from flask)
  Using cached itsdangerous-2.2.0-py3-none-any.whl.metadata (1.9 kB)
Collecting click>=8.1.3 (from flask)
  Using cached click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker>=1.6.2 (from flask)
  Using cached blinker-1.8.2-py3-none-any.whl.metadata (1.6 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->flask)
  Using cached MarkupSafe-2.1.5-cp312-cp312-macosx_10_9_universal2.whl.metadata
  Using cached flask-3.0.3-py3-none-any.whl (101 kB)
  Using cached blinker-1.8.2-py3-none-any.whl (9.5 kB)
  Using cached click-8.1.7-py3-none-any.whl (97 kB)
  Using cached itsdangerous-2.2.0-py3-none-any.whl (16 kB)
  Using cached Jinja2-3.1.4-py3-none-any.whl (133 kB)
  Downloading werkzeug-3.0.4-py3-none-any.whl (227 kB)
  Using cached MarkupSafe-2.1.5-cp312-cp312-macosx_10_9_universal2.whl (18 kB)
Installing collected packages: MarkupSafe, itsdangerous, click, blinker, Werkzeug, flask
Successfully installed Jinja2-3.1.4 MarkupSafe-2.1.5 Werkzeug-3.0.4 blinker-1.8.1.7 flask-3.0.3 itsdangerous-2.2.0
(myenv) shuyiyu@Shuyis-Air AirCrash % python3 app.py
[Traceback (most recent call last):
  File "/Users/shuyiyu/path/to/myenv/AirCrash/app.py", line 5, in <module>
    model = pickle.load(open('air_crash_model.pkl', 'rb'))
  ]
ModuleNotFoundError: No module named 'sklearn'
(myenv) shuyiyu@Shuyis-Air AirCrash % pip install scikit-learn
Collecting scikit-learn
  Using cached scikit_learn-1.5.1-cp312-cp312-macosx_12_0_arm64.whl.metadata (1
Requirement already satisfied: numpy>=1.19.5 in /Users/shuyiyu/path/to/myenv/1
12/site-packages (from scikit-learn) (1.26.4)
Collecting scipy>=1.6.0 (from scikit-learn)
  Using cached scipy-1.14.1-cp312-cp312-macosx_14_0_arm64.whl.metadata (60 kB)
Collecting joblib>=1.2.0 (from scikit-learn)
  Using cached joblib-1.4.2-py3-none-any.whl.metadata (5.4 kB)
Collecting threadpoolctl>=3.1.0 (from scikit-learn)
  Using cached threadpoolctl-3.5.0-py3-none-any.whl.metadata (13 kB)
  Using cached scikit_learn-1.5.1-cp312-cp312-macosx_12_0_arm64.whl (11.0 MB)
  Using cached joblib-1.4.2-py3-none-any.whl (301 kB)
  Using cached scipy-1.14.1-cp312-cp312-macosx_14_0_arm64.whl (23.1 MB)
  Using cached threadpoolctl-3.5.0-py3-none-any.whl (18 kB)
Installing collected packages: threadpoolctl, scipy, joblib, scikit-learn
Successfully installed joblib-1.4.2 scikit-learn-1.5.1 scipy-1.14.1 threadpoolc
(myenv) shuyiyu@Shuyis-Air AirCrash % python3 app.py
  * Serving Flask app 'app'
  * Debug mode: on
[WARNING: This is a development server. Do not use it in a production deployment
roduction WSGI server instead.
  * Running on http://127.0.0.1:5000
Press CTRL+C to quit
  * Restarting with stat
  * Debugger is active!
  * Debugger PIN: 124-332-504
127.0.0.1 - - [27/Aug/2024 11:50:03] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Aug/2024 11:50:03] "GET /favicon.ico HTTP/1.1" 404 -
```

```
APPLE IDLE File Edit Shell Debug Options Window Help

localhost:8888/notebooks/AirCras... Finish update

jupyter app.py - /Users/shuyiyu/path/to/myenv/AirCrash/app.py (3.11.0)

from flask import Flask, request, jsonify
import pickle

# Load trained model
model = pickle.load(open('air_crash_model.pkl', 'rb'))

app = Flask(__name__)

@app.route('/')
def home():
    return "Welcome to the Air Crash Prediction Model API!"

@app.route('/predict', methods=['POST'])
def predict():
    data = request.get_json(force=True)
    prediction = model.predict([data['input']])
    return jsonify({'prediction': prediction[0]})

if __name__ == '__main__':
    app.run(debug=True)
```

```
[20]: import os
      notebook_dir = os.getcwd()
      print(notebook_dir)

/Users/shuyiyu/path/to/myenv/AirCrash
```

```
AirCrash — Python · Python ap...

[shuyiyu@Shuyis-Air AirCrash % source /Users/shuyiyu/path/to/myenv/bin/activate
(myenv) shuyiyu@Shuyis-Air AirCrash % pip install flask
Collecting flask
  Using cached flask-3.0.3-py3-none-any.whl.metadata (3.0 kB)
Collecting Werkzeug>=3.0.0 (from flask)
  Downloading werkzeug-3.0.4-py3-none-any.whl.metadata (3.0 kB)
Collecting Jinja2>=3.1.2 (from flask)
  Using cached Jinja2-3.1.4-py3-none-any.whl.metadata (3.0 kB)
Collecting itsdangerous>=2.1.2 (from flask)
  Using cached itsdangerous-2.2.0-py3-none-any.whl.metadata (3.0 kB)
Collecting click>=8.1.3 (from flask)
  Using cached click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker>=1.6.2 (from flask)
  Using cached blinker-1.8.2-py3-none-any.whl.metadata (3.0 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->flask)
  Using cached MarkupSafe-2.1.5-cp312-cp312-macosx_10_9_arm64_t80200
Using cached flask-3.0.3-py3-none-any.whl (101 kB)
Using cached blinker-1.8.2-py3-none-any.whl (9.5 kB)
Using cached click-8.1.7-py3-none-any.whl (97 kB)
Using cached itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Using cached Jinja2-3.1.4-py3-none-any.whl (133 kB)
Downloading werkzeug-3.0.4-py3-none-any.whl (227 kB)
Using cached MarkupSafe-2.1.5-cp312-cp312-macosx_10_9_arm64_t80200
Installing collected packages: MarkupSafe, itsdangerous, flask
Successfully installed Jinja2-3.1.4 MarkupSafe-2.1.5 Werkzeug-3.0.4 flask-3.0.3 itsdangerous-2.2.0
(myenv) shuyiyu@Shuyis-Air AirCrash % python3 app.py
Traceback (most recent call last):
  File "/Users/shuyiyu/path/to/myenv/AirCrash/app.py", line 10, in <module>
    model = pickle.load(open('air_crash_model.pkl', 'rb'))
ModuleNotFoundError: No module named 'sklearn'
(myenv) shuyiyu@Shuyis-Air AirCrash % pip install scikit-learn
Collecting scikit-learn
  Using cached scikit_learn-1.5.1-cp312-cp312-macosx_12_0_arm64_t80200
Requirement already satisfied: numpy>=1.19.5 in /Users/shuyiyu/path/to/myenv/lib/python3.12/site-packages (from scikit-learn) (1.26.4)
Collecting scipy>=1.6.0 (from scikit-learn)
  Using cached scipy-1.14.1-cp312-cp312-macosx_14_0_arm64_t80200
Collecting joblib>=1.2.0 (from scikit-learn)
  Using cached joblib-1.4.2-py3-none-any.whl.metadata (5.5 kB)
Collecting threadpoolctl>=3.1.0 (from scikit-learn)
  Using cached threadpoolctl-3.5.0-py3-none-any.whl.metadata (10 kB)
Using cached scikit_learn-1.5.1-cp312-cp312-macosx_12_0_arm64_t80200
Using cached joblib-1.4.2-py3-none-any.whl (301 kB)
Using cached scipy-1.14.1-cp312-cp312-macosx_14_0_arm64_t80200
Using cached threadpoolctl-3.5.0-py3-none-any.whl (18 kB)
Installing collected packages: threadpoolctl, scipy, joblib, scikit-learn
Successfully installed joblib-1.4.2 scikit-learn-1.5.1 scipy-1.14.1 threadpoolctl-3.5.0
(myenv) shuyiyu@Shuyis-Air AirCrash % python3 app.py
* Serving Flask app 'app'
* Debug mode: on
[WARNING: This is a development server. Do not use it in production. Use a production WSGI server instead.]
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 124-332-504
127.0.0.1 - - [27/Aug/2024 11:50:03] "GET / HTTP/1.1" 200 OK
127.0.0.1 - - [27/Aug/2024 11:50:03] "GET /favicon.ico HTTP/1.1" 404 Not Found
```


Apple IDLE File Edit Format Run Options Window Help

localhost:8888/notebooks/AirCras... Finish update

Jupyter

app.py - /Users/shuyiyu/path/to/myenv/lib/python3.12/site-packages/flask/app.py (3.11.0)

```
T_teardown = t.TypeVar("T_teardown", bound=ft.TeardownCallable)
T_template_filter = t.TypeVar("T_template_filter", bound=ft.TemplateFilterCallable)
T_template_global = t.TypeVar("T_template_global", bound=ft.TemplateGlobalCallable)
T_template_test = t.TypeVar("T_template_test", bound=ft.TemplateTestCallable)

@appdef _make_timedelta(value: timedelta | int | None) -> timedelta | None:
    if value is None or isinstance(value, timedelta):
        return value

    return timedelta(seconds=value)

class Flask(App):
    """The flask object implements a WSGI application and acts as the central
    object. It is passed the name of the module or package of the
    application. Once it is created it will act as a central registry for
    the view functions, the URL rules, template configuration and much more.

    The name of the package is used to resolve resources from inside the
    package or the folder the module is contained in depending on if the
    package parameter resolves to an actual python package (a folder with
    an :file:`__init__.py` file inside) or a standard module (just a ``.py`` file).

    For more information about resource loading, see :func:`open_resource`.

    Usually you create a :class:`Flask` instance in your main module or
    in the :file:`__init__.py` file of your package like this::

        from flask import Flask
        app = Flask(__name__)

    .. admonition:: About the First Parameter

        The idea of the first parameter is to give Flask an idea of what
        belongs to your application. This name is used to find resources
        on the filesystem, can be used by extensions to improve debugging
        information and a lot more.

        So it's important what you provide there. If you are using a single
        module, ``__name__`` is always the correct value. If you however are
        using a package, it's usually recommended to hardcode the name of
        your package there.

        For example if your application is defined in :file:`yourapplication/app.py`
        you should create it with one of the two versions below::

            app = Flask('yourapplication')
            app = Flask(__name__.split('.')[0])

    Why is that? The application will work even with ``__name__``, thanks
    to how resources are looked up. However it will make debugging more
    painful. Certain extensions can make assumptions based on the
    import name of your application. For example the Flask-SQLAlchemy
    extension will look for the code in your application that triggered
    an SQL query in debug mode. If the import name is not properly set
    up, that debugging information is lost. (For example it would only
    pick up SQL queries in ``yourapplication.app`` and not
```

shuyiyu@Shuyis-Air AirCrash
(myenv) shuyiyu@Shuyis-Air A
Collecting flask
Using cached flask-3.0.3-p
Collecting Werkzeug>=3.0.0
Downloading werkzeug-3.0.4
Collecting Jinja2>=3.1.2 (fr
inija2-3.1.4-p
dangerous>=2.1
tsdangerous-
>=8.1.3 (fro
lick-8.1.7-p
er>=1.6.2 (f
linker-1.8.2
lpSafe>=2.0
larkupSafe-2
sk-3.0.3-py3
nker-1.8.2-p
ck-8.1.7-py3
dangerous-2
ja2-3.1.4-py
zeug-3.0.4-p
kupSafe-2.1
ected package
stalled Jinja
itsdangerous
Shuyis-Air A
recent call
shuyiyu/path/
le.load(open
AAAAAAAAAAAA
ror: No modu
Shuyis-Air A
t-learn
cikit_learn-
ady satisfie
(from sciki
>=1.6.0 (fro
cipy-1.14.1-
b>=1.2.0 (fr
oblib-1.4.2-
dpoolctl>=3
hreadpoolctl
kit_learn-1
lib-1.4.2-py
py-1.14.1-cp
eadpoolctl-3
ected package
stalled jobli
Shuyis-Air A
: app 'app'
in
: a developme
rver instead
tp://127.0.0
quit
th stat
ctive!
124-332-504
7/Aug/2024 1
7/Aug/2024 1

Ln: 1 Col: 0

```
app.py - /Users/shuyiyu/path/to/myenv/lib/python3.12/site-packages/flask/sansio/app.py (3.11.0)

import typing as t
from datetime import timedelta
from itertools import chain

from werkzeug.exceptions import Aborter
from werkzeug.exceptions import BadRequest
from werkzeug.exceptions import BadRequestKeyError
from werkzeug.routing import BuildError
from werkzeug.routing import Map
from werkzeug.routing import Rule
from werkzeug.sansio.response import Response
from werkzeug.utils import cached_property
from werkzeug.utils import redirect as _wz_redirect

from .. import typing as ft
from ..config import Config
from ..config import ConfigAttribute
from ..ctx import _AppCtxGlobals
from ..helpers import _split_blueprint_path
from ..helpers import get_debug_flag
from ..json.provider import DefaultJSONProvider
from ..json.provider import JSONProvider
from ..logging import create_logger
from ..templating import DispatchingJinjaLoader
from ..templating import Environment
from ..scaffold import _endpoint_from_view_func
from ..scaffold import find_package
from ..scaffold import Scaffold
from ..scaffold import setupmethod

if t.TYPE_CHECKING: # pragma: no cover
    from werkzeug.wrappers import Response as BaseResponse

    from ..testing import FlaskClient
    from ..testing import FlaskCliRunner
    from ..blueprints import Blueprint

T_shell_context_processor = t.TypeVar(
    "T_shell_context_processor", bound=ft.ShellContextProcessorCallable
)
T_teardown = t.TypeVar("T_teardown", bound=ft.TeardownCallable)
T_template_filter = t.TypeVar("T_template_filter", bound=ft.TemplateFilterCallable)
T_template_global = t.TypeVar("T_template_global", bound=ft.TemplateGlobalCallable)
T_template_test = t.TypeVar("T_template_test", bound=ft.TemplateTestCallable)

def _make_timedelta(value: timedelta | int | None) -> timedelta | None:
    if value is None or isinstance(value, timedelta):
        return value

    return timedelta(seconds=value)

class App(Scaffold):
    """The flask object implements a WSGI application and acts as the central
    object. It is passed the name of the module or package of the
    application. Once it is created it will act as a central registry for
    the view functions, the URL rules, template configuration and much more.

    The name of the package is used to resolve resources from inside the
    package or the folder the module is contained in depending on if the
    package parameter resolves to an actual python package (a folder with
    an :file:`__init__.py` file inside) or a standard module (just a ``.py`` file).

    For more information about resource loading, see :func:`open_resource`.
```

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Finis

Welcome to the Air Crash Prediction Model API!