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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
> TERMINAL flask + - - -
Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.

D:\digital skola\ProjectMLOps>python -m venv env

D:\digital skola\ProjectMLOps>cd env

D:\digital skola\ProjectMLOps\env>cd Scripts

D:\digital skola\ProjectMLOps\env\Scripts>Activate

(env) D:\digital skola\ProjectMLOps\env\Scripts>pip install -r requirements.txt
ERROR: Could not open requirements file: [Errno 2] No such file or directory: 'requirements.txt'
WARNING: You are using pip version 21.1.1; however, version 24.0 is available.
You should consider upgrading via the 'd:\digital skola\projectmlops\env\scripts\python.exe -m pip install --upgrade pip' command.

(env) D:\digital skola\ProjectMLOps\env\Scripts>cd ..

(env) D:\digital skola\ProjectMLOps\env>cd ..

(env) D:\digital skola\ProjectMLOps>pip install -r requirements.txt
Collecting flask==2.0.3
  Downloading Flask-2.0.3-py3-none-any.whl (95 kB)
    | 95 kB 550 kB/s
Collecting Jinja2==3.1.1
  Downloading Jinja2-3.1.1-py3-none-any.whl (132 kB)
    | 132 kB 1.1 MB/s
Collecting pandas==1.1.5
  Downloading pandas-1.1.5-cp38-cp38-win_amd64.whl (9.0 MB)
    | 9.0 MB 3.3 MB/s
```

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```
(env) D:\digital skola\ProjectMLOps>python --version  
Python 3.8.10
```

```
(env) D:\digital skola\ProjectMLOps>python -m pip install --upgrade pip  
Requirement already satisfied: pip in d:\digital skola\projectmlops\env\lib\site-packages (21.1.1)  
Collecting pip  
  Downloading pip-24.0-py3-none-any.whl (2.1 MB)  
    |████████████████████████████████████████| 2.1 MB 939 kB/s  
Installing collected packages: pip  
  Attempting uninstall: pip  
    Found existing installation: pip 21.1.1  
    Uninstalling pip-21.1.1:  
      Successfully uninstalled pip-21.1.1  
Successfully installed pip-24.0
```

```
(env) D:\digital skola\ProjectMLOps>pip list  
Package    Version  
-----  
pip        24.0  
setuptools 56.0.0
```

```
(env) D:\digital skola\ProjectMLOps>pip install flask==2.0.3  
Collecting flask==2.0.3  
  Using cached Flask-2.0.3-py3-none-any.whl.metadata (3.8 kB)  
Collecting Werkzeug>=2.0 (from flask==2.0.3)  
  Using cached werkzeug-3.0.3-py3-none-any.whl.metadata (3.7 kB)  
Collecting Jinja2>=3.0 (from flask==2.0.3)  
  Using cached jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)  
Collecting itsdangerous>=2.0 (from flask==2.0.3)
```

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(env) D:\digital skola\ProjectMLOps>pip install flask==2.0.3
Collecting flask==2.0.3
  Using cached Flask-2.0.3-py3-none-any.whl.metadata (3.8 kB)
Collecting Werkzeug>=2.0 (from flask==2.0.3)
  Using cached werkzeug-3.0.3-py3-none-any.whl.metadata (3.7 kB)
Collecting Jinja2>=3.0 (from flask==2.0.3)
  Using cached jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)
Collecting itsdangerous>=2.0 (from flask==2.0.3)
  Using cached itsdangerous-2.2.0-py3-none-any.whl.metadata (1.9 kB)
Collecting click>=7.1.2 (from flask==2.0.3)
  Using cached click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting colorama (from click>=7.1.2->flask==2.0.3)
  Using cached colorama-0.4.6-py2.py3-none-any.whl.metadata (17 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.0->flask==2.0.3)
  Using cached MarkupSafe-2.1.5-cp38-cp38-win_amd64.whl.metadata (3.1 kB)
Using cached Flask-2.0.3-py3-none-any.whl (95 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)
Using cached werkzeug-3.0.3-py3-none-any.whl (227 kB)
Using cached MarkupSafe-2.1.5-cp38-cp38-win_amd64.whl (17 kB)
Using cached colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, Werkzeug, Jinja2, click, flask
Successfully installed Jinja2-3.1.4 MarkupSafe-2.1.5 Werkzeug-3.0.3 click-8.1.7 colorama-0.4.6 flask-2.0.3 itsdangerous-2.2.0

(env) D:\digital skola\ProjectMLOps>pip list
Package      Version
-----
click        8.1.7
colorama     0.4.6
```

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(env) D:\digital skola\ProjectMLOps>pip list
Package      Version
-----
click        8.1.7
colorama     0.4.6
Flask        2.0.3
itsdangerous 2.2.0
Jinja2       3.1.4
MarkupSafe   2.1.5
pip          24.0
setuptools   56.0.0
Werkzeug     3.0.3

(env) D:\digital skola\ProjectMLOps>pip install jinja2
Requirement already satisfied: jinja2 in d:\digital skola\projectmlops\env\lib\site-packages (3.1.4)
Requirement already satisfied: MarkupSafe>=2.0 in d:\digital skola\projectmlops\env\lib\site-packages (from jinja2) (2.1.5)

(env) D:\digital skola\ProjectMLOps>pip install jinja2==3.1.1
Collecting jinja2==3.1.1
  Using cached Jinja2-3.1.1-py3-none-any.whl.metadata (3.5 kB)
Requirement already satisfied: MarkupSafe>=2.0 in d:\digital skola\projectmlops\env\lib\site-packages (from jinja2==3.1.1) (2.1.5)
Using cached Jinja2-3.1.1-py3-none-any.whl (132 kB)
Installing collected packages: jinja2
  Attempting uninstall: jinja2
    Found existing installation: Jinja2 3.1.4
    Uninstalling Jinja2-3.1.4:
      Successfully uninstalled Jinja2-3.1.4
  Successfully installed jinja2-3.1.1

(env) D:\digital skola\ProjectMLOps>pip list
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(env) D:\digital skola\ProjectMLOps>pip list
Package      Version
-----
click        8.1.7
colorama     0.4.6
Flask        2.0.3
itsdangerous 2.2.0
Jinja2       3.1.1
MarkupSafe   2.1.5
pip          24.0
setuptools   56.0.0
Werkzeug     3.0.3

(env) D:\digital skola\ProjectMLOps>pip install pandas==1.1.5
Collecting pandas==1.1.5
  Using cached pandas-1.1.5-cp38-cp38-win_amd64.whl.metadata (4.7 kB)
Collecting python-dateutil>=2.7.3 (from pandas==1.1.5)
  Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl.metadata (8.4 kB)
Collecting pytz>=2017.2 (from pandas==1.1.5)
  Using cached pytz-2024.1-py2.py3-none-any.whl.metadata (22 kB)
Collecting numpy>=1.15.4 (from pandas==1.1.5)
  Using cached numpy-1.24.4-cp38-cp38-win_amd64.whl.metadata (5.6 kB)
Collecting six>=1.5 (from python-dateutil>=2.7.3->pandas==1.1.5)
  Using cached six-1.16.0-py2.py3-none-any.whl.metadata (1.8 kB)
Using cached pandas-1.1.5-cp38-cp38-win_amd64.whl (9.0 MB)
Using cached numpy-1.24.4-cp38-cp38-win_amd64.whl (14.9 MB)
Using cached python_dateutil-2.9.0.post0-py2.py3-none-any.whl (229 kB)
Using cached pytz-2024.1-py2.py3-none-any.whl (505 kB)
Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: pytz, six, numpy, python-dateutil, pandas
Successfully installed numpy-1.24.4 pandas-1.1.5 python-dateutil-2.9.0.post0 pytz-2024.1 six-1.16.0

Ln 41, Col 1  Spaces: 4  UTF-8  CRLF  { } Python  3.8.10 ('env': venv)
```

```
(env) D:\digital skola\ProjectMLOps>flask run
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [21/May/2024 21:30:57] "GET / HTTP/1.1" 200 -

(env) D:\digital skola\ProjectMLOps>flask run
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
d:\digital skola\projectmlops\env\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator KNeighbor
sClassifier from version 1.2.2 when using version 1.0.2. This might lead to breaking code or invalid results. Use at your ow
n risk. For more info please refer to:
https://scikit-learn.org/stable/modules/model_persistence.html#security-maintainability-limitations
  warnings.warn(
d:\digital skola\projectmlops\env\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator LabelEnco
der from version 1.2.2 when using version 1.0.2. This might lead to breaking code or invalid results. Use at your own risk.
For more info please refer to:
https://scikit-learn.org/stable/modules/model_persistence.html#security-maintainability-limitations
  warnings.warn(
d:\digital skola\projectmlops\env\lib\site-packages\sklearn\preprocessing\_label.py:133: DataConversionWarning: A column-vec
tor y was passed when a 1d array was expected. Please change the shape of y to (n_samples, ), for example using ravel().
```

API Prediction Model Service(BETA)

My Workspace

Overview POST http://localhost:5000/predict

http://localhost:5000/predict

POST http://localhost:5000/predict

Params Authorization Headers (9) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 [{
2   "Gender": "Female",
3   "Age": 43,
4   "Driving_License": 1,
5   "Region_Code": 28,
6   "Previously_Insured": 0,
7   "Vehicle_Age": "> 2 Years",
8   "Vehicle_Damage": "No".
9 }
```

Body Cookies Headers (5) Test Results

200 OK 648 ms 206 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "prideic result": 0,
3   "status": "predicted"
4 }
```