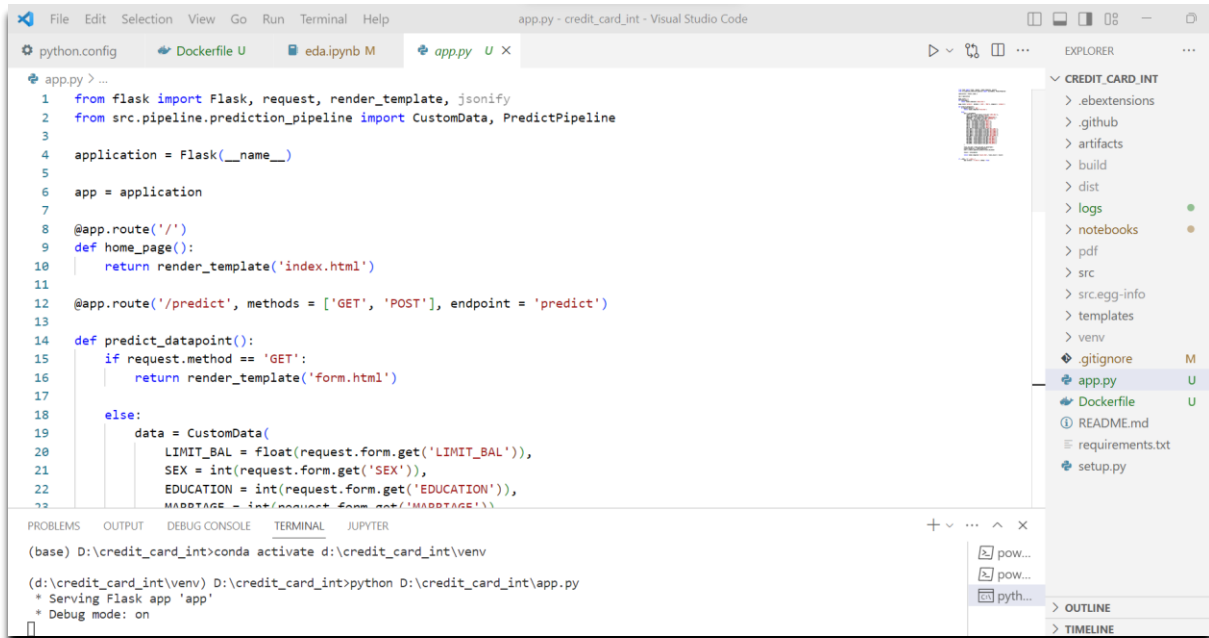


# Credit Card Default Prediction

## Wireframe Documentation

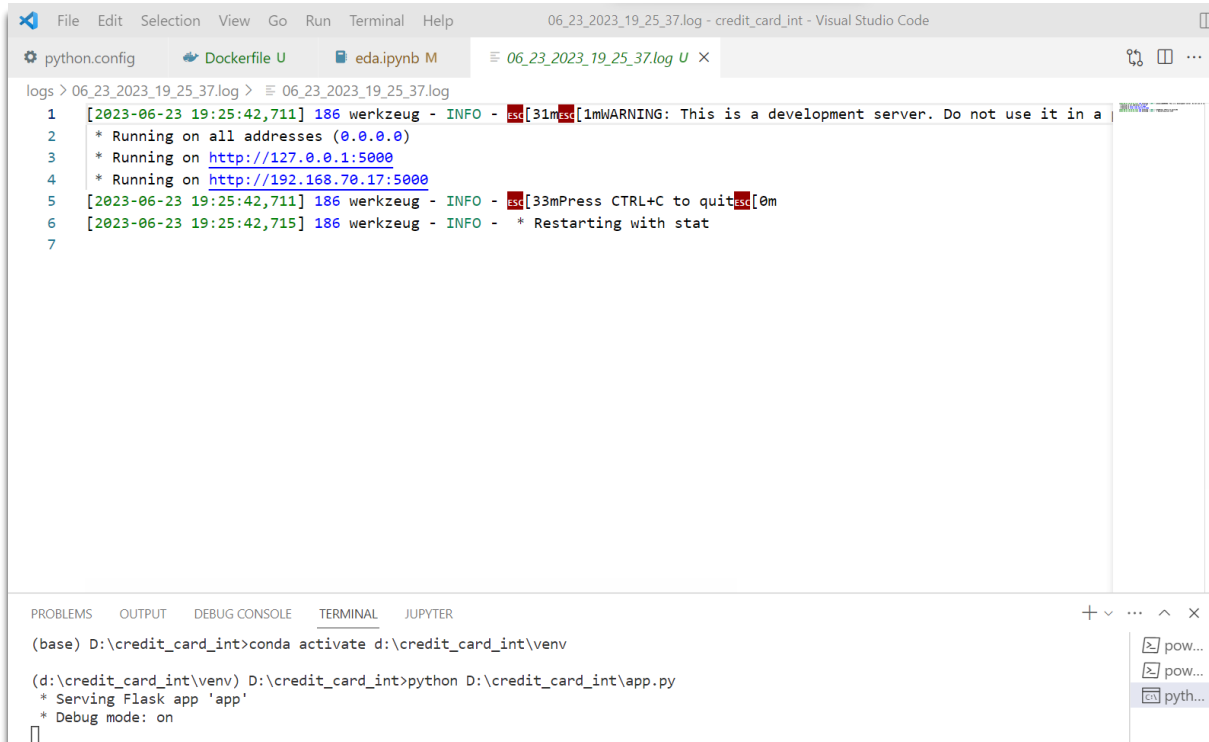


The screenshot shows the Visual Studio Code editor with the `app.py` file open. The code is a Flask application that uses a prediction pipeline to predict credit card defaults. The terminal shows the command to activate the conda environment and run the application.

```
1 from flask import Flask, request, render_template, jsonify
2 from src.pipeline.prediction_pipeline import CustomData, PredictPipeline
3
4 application = Flask(__name__)
5
6 app = application
7
8 @app.route('/')
9 def home_page():
10     return render_template('index.html')
11
12 @app.route('/predict', methods = ['GET', 'POST'], endpoint = 'predict')
13
14 def predict_datapoint():
15     if request.method == 'GET':
16         return render_template('form.html')
17     else:
18         data = CustomData(
19             LIMIT_BAL = float(request.form.get('LIMIT_BAL')),
20             SEX = int(request.form.get('SEX')),
21             EDUCATION = int(request.form.get('EDUCATION')),
22             MARRIAGE = int(request.form.get('MARRIAGE'))
23         )
24         predict_pipeline = PredictPipeline()
25         prediction = predict_pipeline.predict(data)
```

Terminal Output:

```
(base) D:\credit_card_int>conda activate d:\credit_card_int\venv
(d:\credit_card_int\venv) D:\credit_card_int>python D:\credit_card_int\app.py
* Serving Flask app 'app'
* Debug mode: on
```



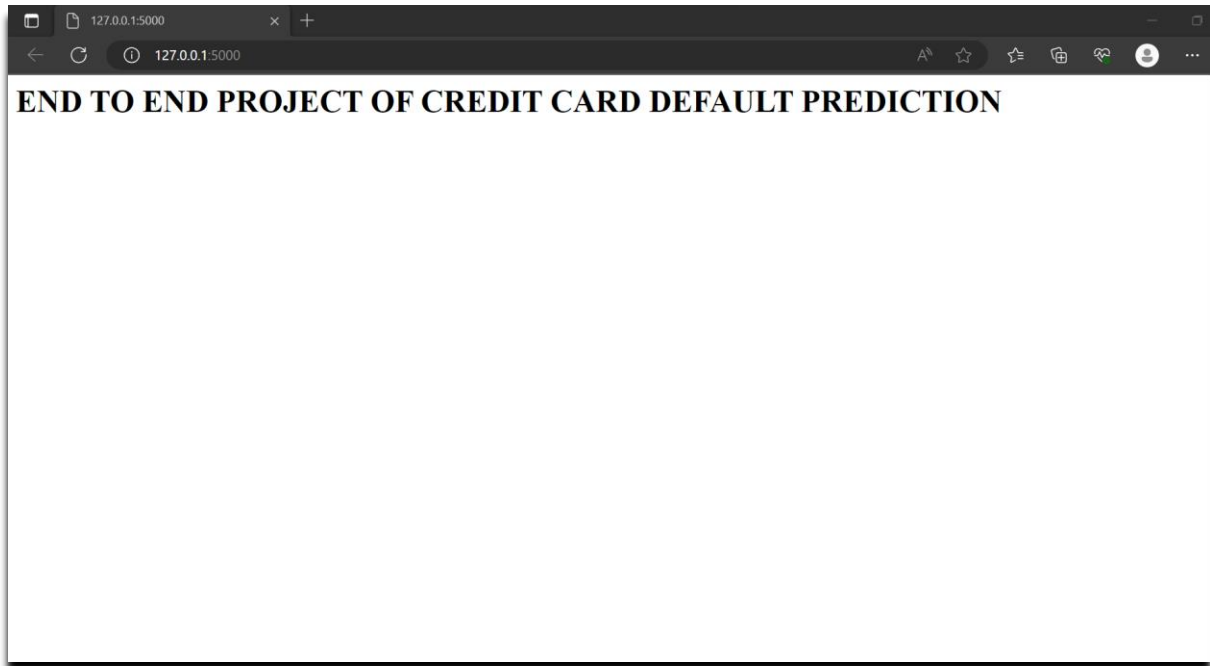
The screenshot shows the Visual Studio Code editor with the `06_23_2023_19_25_37.log` file open. The log shows the application running on all addresses (0.0.0.0) and the URL `http://127.0.0.1:5000`. The terminal shows the command to activate the conda environment and run the application.

```
1 [2023-06-23 19:25:42,711] 186 werkzeug - INFO - [31mWARNING: This is a development server. Do not use it in a
2 * Running on all addresses (0.0.0.0)
3 * Running on http://127.0.0.1:5000
4 * Running on http://192.168.70.17:5000
5 [2023-06-23 19:25:42,711] 186 werkzeug - INFO - [33mPress CTRL+C to quit[33m
6 [2023-06-23 19:25:42,715] 186 werkzeug - INFO - * Restarting with stat
7
```

Terminal Output:

```
(base) D:\credit_card_int>conda activate d:\credit_card_int\venv
(d:\credit_card_int\venv) D:\credit_card_int>python D:\credit_card_int\app.py
* Serving Flask app 'app'
* Debug mode: on
```

# Homepage



127.0.0.1:5000/predict

127.0.0.1:5000/predict

LIMIT\_BAL:  Enter the Value of Balance

SEX:  Enter the Sex Value(int)

EDUCATION:  Enter the Education Value(int)

MARRIAGE:  Enter the Marriage Value(int)

AGE:  Enter the Age Value(int)

PAY\_0:  Enter PAY\_0 Value(int)

PAY\_2:  Enter PAY\_2 Value(int)

PAY\_3:  Enter PAY\_3 Value(int)

PAY\_4:  Enter PAY\_4 Value(int)

PAY\_5:  Enter PAY\_5 Value(int)

PAY\_6:  Enter PAY\_6 Value(int)

BILL\_AMT1:  Enter BILL\_AMT1 Value(float)

BILL\_AMT2:  Enter BILL\_AMT2 Value(float)

BILL\_AMT3:  Enter BILL\_AMT3 Value(float)

BILL\_AMT4:  Enter BILL\_AMT4 Value(float)

BILL\_AMT5:  Enter BILL\_AMT5 Value(float)

BILL\_AMT6:  Enter BILL\_AMT6 Value(float)

BILL\_AMT1:  Enter PAY\_AMT1 Value(float)

BILL\_AMT2:  Enter PAY\_AMT2 Value(float)

BILL\_AMT3:  Enter PAY\_AMT3 Value(float)

BILL\_AMT4:  Enter PAY\_AMT4 Value(float)

BILL\_AMT5:  Enter PAY\_AMT5 Value(float)

BILL\_AMT6:  Enter PAY\_AMT6 Value(float)

127.0.0.1:5000/predict

127.0.0.1:5000/predict

LIMIT\_BAL: 20000.0

SEX: 2

EDUCATION: 2

MARRIAGE: 1

AGE: 24

PAY\_0: 2

PAY\_2: 2

PAY\_3: -1

PAY\_4: -1

PAY\_5: -2

PAY\_6: -2

BILL\_AMT1: 3913

BILL\_AMT2: 3102

BILL\_AMT3: 689

BILL\_AMT4: 0

BILL\_AMT5: 0

BILL\_AMT6: 0

BILL\_AMT1: 0

BILL\_AMT2: 689

BILL\_AMT3: 0

BILL\_AMT4: 0

BILL\_AMT5: 0

BILL\_AMT6: 0

Submit

127.0.0.1:5000/predict

127.0.0.1:5000/predict

1