PYTHON

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ML-Preprocessor-Web/
├── app/
│   ├── __init__.py
│   ├── routes.py
│   ├── preprocessing.py
│   ├── templates/
│   │   ├── base.html
│   │   ├── index.html
│   │   └── result.html
│   └── static/
│       ├── css/
│       │   └── styles.css
│       └── js/
│           └── app.js
├── requirements.txt
└── run.py
from app import app

if __name__ == '__main__':
    app.run(debug=True)
from flask import Flask

app = Flask(__name__)

from app import routes
from flask import render_template, request
from app import app
from .preprocessing import preprocess_data

@app.route('/', methods=['GET', 'POST'])
def index():
    if request.method == 'POST':
        file = request.files['dataset']
        preprocessed_data = preprocess_data(file)
        return render_template('result.html', data=preprocessed_data)
    return render_template('index.html')# Implement your data preprocessing
functions here
# For example:
def handle_missing_data(data):
    # ...

def encode_categorical_vars(data):
    # ...

def preprocess_data(file):
    # Read the dataset from the file
    data = read_dataset(file)
```

```
    # Apply preprocessing steps
    data = handle_missing_data(data)
    data = encode_categorical_vars(data)
    # ...

    return data
```

HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>ML Preprocessor Web</title>
    <link rel="stylesheet" href="{{ url_for('static', filename='css/styles.css')
}}">
</head>
<body>
    <h1>ML Preprocessor Web</h1>
    <form method="post" enctype="multipart/form-data">
        <input type="file" name="dataset" required>
        <button type="submit">Preprocess Data</button>
    </form>
    <script src="{{ url_for('static', filename='js/app.js') }}"></script>
</body>
</html><!DOCTYPE html>
<html>
<head>
    <title>Preprocessed Data</title>
    <link rel="stylesheet" href="{{ url_for('static', filename='css/styles.css')
}}">
</head>
<body>
    <h1>Preprocessed Data</h1>
    <pre>{{ data }}</pre>
    <a href="/">Go Back</a>
    <script src="{{ url_for('static', filename='js/app.js') }}"></script>
</body>
</html>
```