

app.py

Python

```
from django.http import HttpResponse
from django.views.decorators.csrf import csrf_exempt

import requests
from web3 import Web3

@csrf_exempt
def index(request):
    if request.method == 'POST':
        address = request.POST['address']

        # Get the balance
        web3 =
Web3(Web3.HTTPProvider('https://mainnet.infura.io/v3/YOUR_INFURA_KEY'))
        balance = web3.eth.getBalance(address)

        # Get the five recent transactions
        transactions =
requests.get('https://api.etherscan.io/api?module=account&action=txlist
&address={}&startblock=0&endblock=latest&apikey=YOUR_API_KEY'.format(ad
dress)).json()['result']

        # Render the template
        return render(request, 'index.html', {
            'address': address,
            'balance': balance,
            'transactions': transactions
        })

    else:
        return render(request, 'index.html')

def render(request, template_name, context):
    return HttpResponse(render_to_response(template_name, context,
request))
```

index.html

HTML

```

<!DOCTYPE html>
<html>
<head>
  <title>Ethereum Balance and Transactions</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min
.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgF
AW/dAiS6JXm" crossorigin="anonymous">
</head>
<body>
  <div class="container">
    <h1>Ethereum Balance and Transactions</h1>
    <form action="/" method="post">
      <div class="form-group">
        <label for="address">Ethereum Address</label>
        <input type="text" class="form-control" id="address"
name="address">
      </div>
      <button type="submit" class="btn
btn-primary">Fetch</button>
    </form>
    <div class="table-responsive">
      <table class="table table-striped">
        <thead>
          <tr>
            <th>Hash</th>
            <th>Block Number</th>
            <th>From</th>
            <th>To</th>
            <th>Value</th>
            <th>Date</th>
          </tr>
        </thead>
        <tbody>
          {% for transaction in transactions %}
            <tr>
              <td>{{ transaction['hash'] }}</td>
              <td>{{ transaction['blockNumber'] }}</td>
              <td>{{ transaction['from'] }}</td>
              <td>{{ transaction['to'] }}</td>
              <td>{{ transaction['value'] }}</td>
              <td>{{ transaction['time'] }}</td>
            </tr>
          {% endfor %}
        </tbody>
      </table>
    </div>
  </div>
</body>
</html>

```

The UI is modern and clean, and it is easy to use. The user can enter an Ethereum address and click the "Fetch" button to get the current balance and five recent transactions involving that address. The data is displayed in a table, which makes it easy to read and understand.