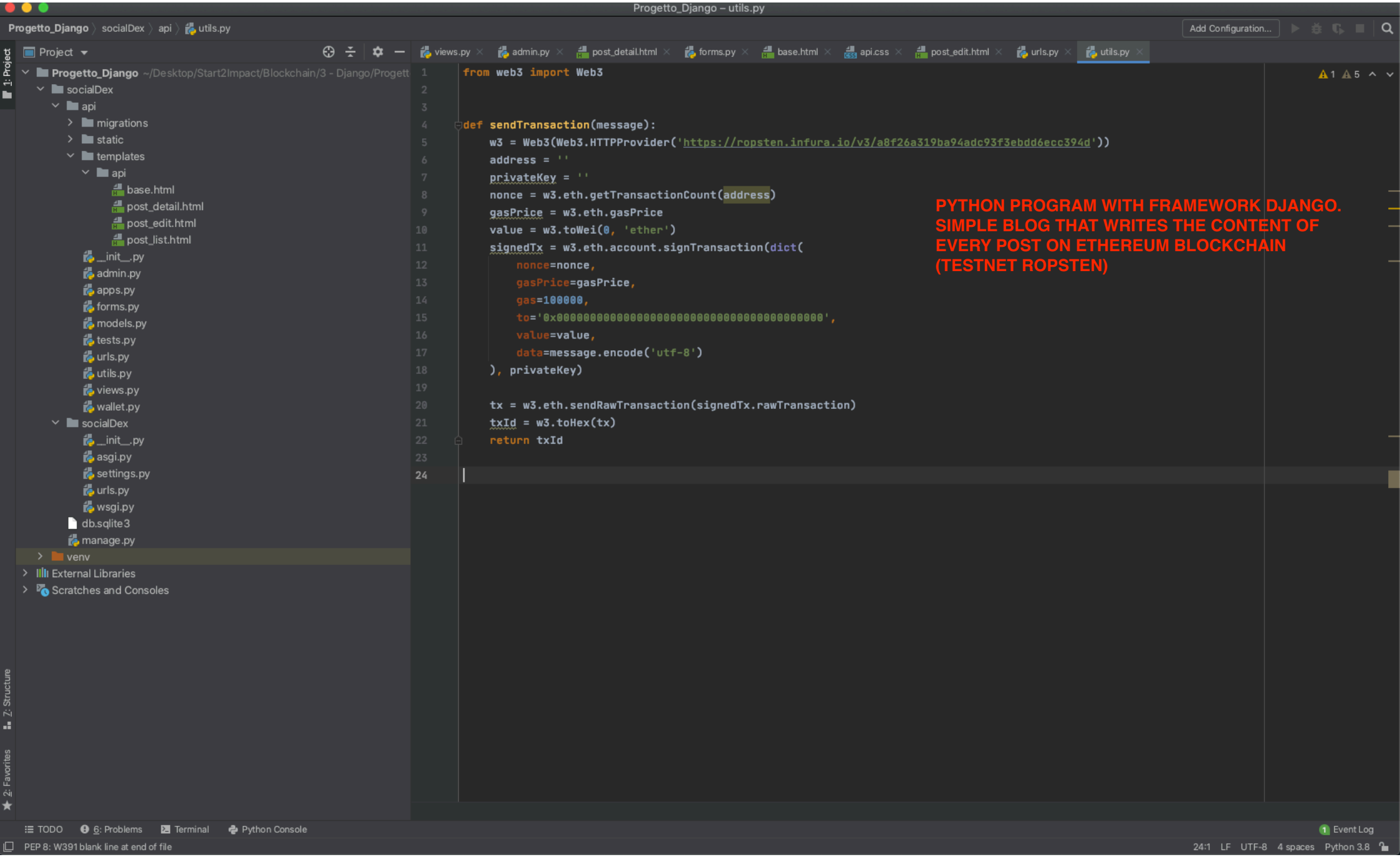
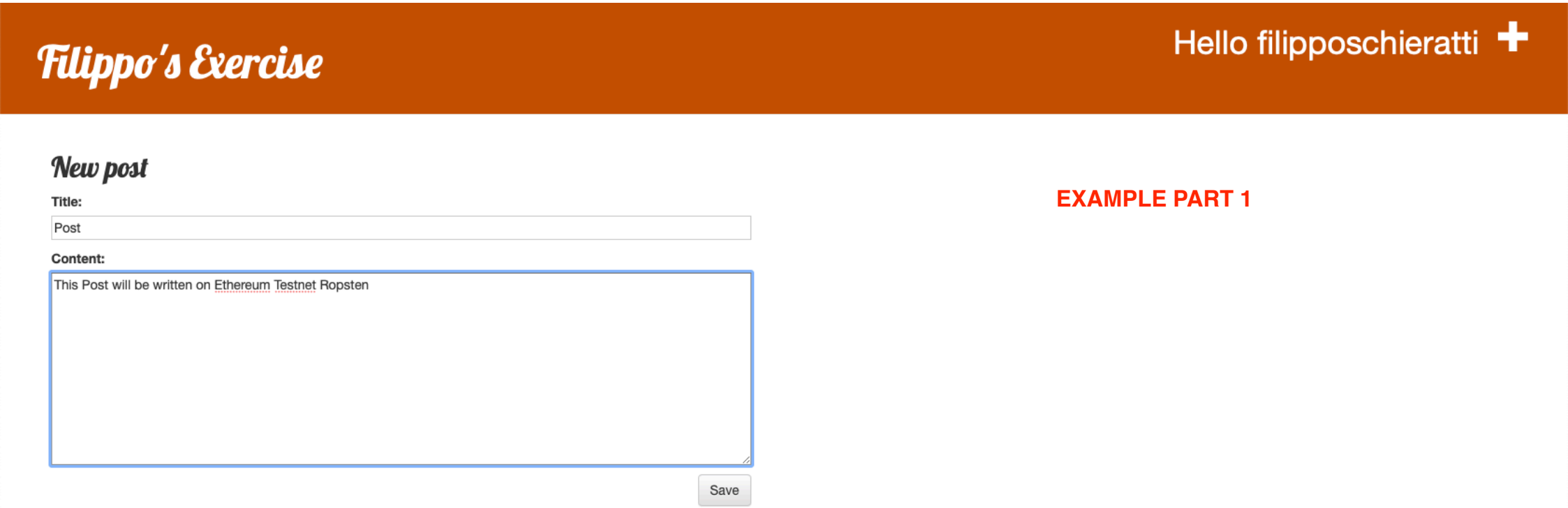

Progetto_Django – utils.py
Progetto_Django 〉 socialDex 〉 api 〉 utils.py
Add Configuration...
Project
views.py
admin.py
post_detail.html
forms.py
base.html
api.css
post_edit.html
urls.py
utils.py
Progetto_Django ~/Desktop/Start2Impact/Blockchain/3 - Django/Progett
socialDex
api
migrations
static
templates
api
base.html
post_detail.html
post_edit.html
post_list.html
__init__.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
utils.py
views.py
wallet.py
socialDex
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
db.sqlite3
manage.py
venv
External Libraries
Scratches and Consoles
from web3 import Web3
def sendTransaction(message):
w3 = Web3(Web3.HTTPProvider('https://ropsten.infura.io/v3/a8f26a319ba94adc93f3ebdd6ecc394d'))
address = ''
privateKey = ''
nonce = w3.eth.getTransactionCount(address)
gasPrice = w3.eth.gasPrice
value = w3.toWei(0, 'ether')
signedTx = w3.eth.account.signTransaction(dict(
nonce=nonce,
gasPrice=gasPrice,
gas=100000,
to='0x0000000000000000000000000000000000000000',
value=value,
data=message.encode('utf-8')
), privateKey)
tx = w3.eth.sendRawTransaction(signedTx.rawTransaction)
txId = w3.toHex(tx)
return txId
PYTHON PROGRAM WITH FRAMEWORK DJANGO.
SIMPLE BLOG THAT WRITES THE CONTENT OF
EVERY POST ON ETHEREUM BLOCKCHAIN
(TESTNET ROPSTEN)
TODO
6: Problems
Terminal
Python Console
Event Log
PEP 8: W391 blank line at end of file
24:1 LF UTF-8 4 spaces Python 3.8

```python
from django.shortcuts import render
from django.http import JsonResponse
from .models import Post
from django.shortcuts import get_object_or_404, redirect
from .forms import PostForm
from django.contrib.auth.decorators import login_required


def postjson(request):
    response = []
    posts = Post.objects.filter().order_by('-datetime')
    for post in posts:
        response.append(
            {
                'datetime': post.datetime,
                'title': post.title,
                'content': post.content,
                'author': f"{post.user.username}",
                'hash': post.hash,
                'TxId': post.txId,
            }
        )
    return JsonResponse(response, safe=False)


def post_list(request):
    posts = Post.objects.filter()
    return render(request, 'api/post_list.html', {'posts': posts})


def post_detail(request, pk):
    post = get_object_or_404(Post, pk=pk)
    return render(request, 'api/post_detail.html', {'post': post})


def post_new(request):
    if request.method == "POST":
        form = PostForm(request.POST)
        if form.is_valid():
            post = form.save(commit=False)
            post.user = request.user
            post.writeOnChain()
```

```python
def post_new(request):
    if request.method == "POST":
        form = PostForm(request.POST)
        if form.is_valid():
            post = form.save(commit=False)
            post.user = request.user
            post.writeOnChain()
            post.save()
            return redirect('post_detail', pk=post.pk)
    else:
        form = PostForm()
    return render(request, 'api/post_edit.html', {'form': form})


def post_edit(request, pk):
    post = get_object_or_404(Post, pk=pk)
    if request.method == "POST":
        form = PostForm(request.POST, instance=post)
        if form.is_valid():
            post = form.save(commit=False)
            post.user = request.user
            post.save()
            return redirect('post_detail', pk=post.pk)
    else:
        form = PostForm(instance=post)
        return render(request, 'api/post_edit.html', {'form': form})

```



EXAMPLE PART 1

Filippo's Exercise

Hello filipposchieratti +

Created: Feb. 17, 2021, 12:46 p.m.

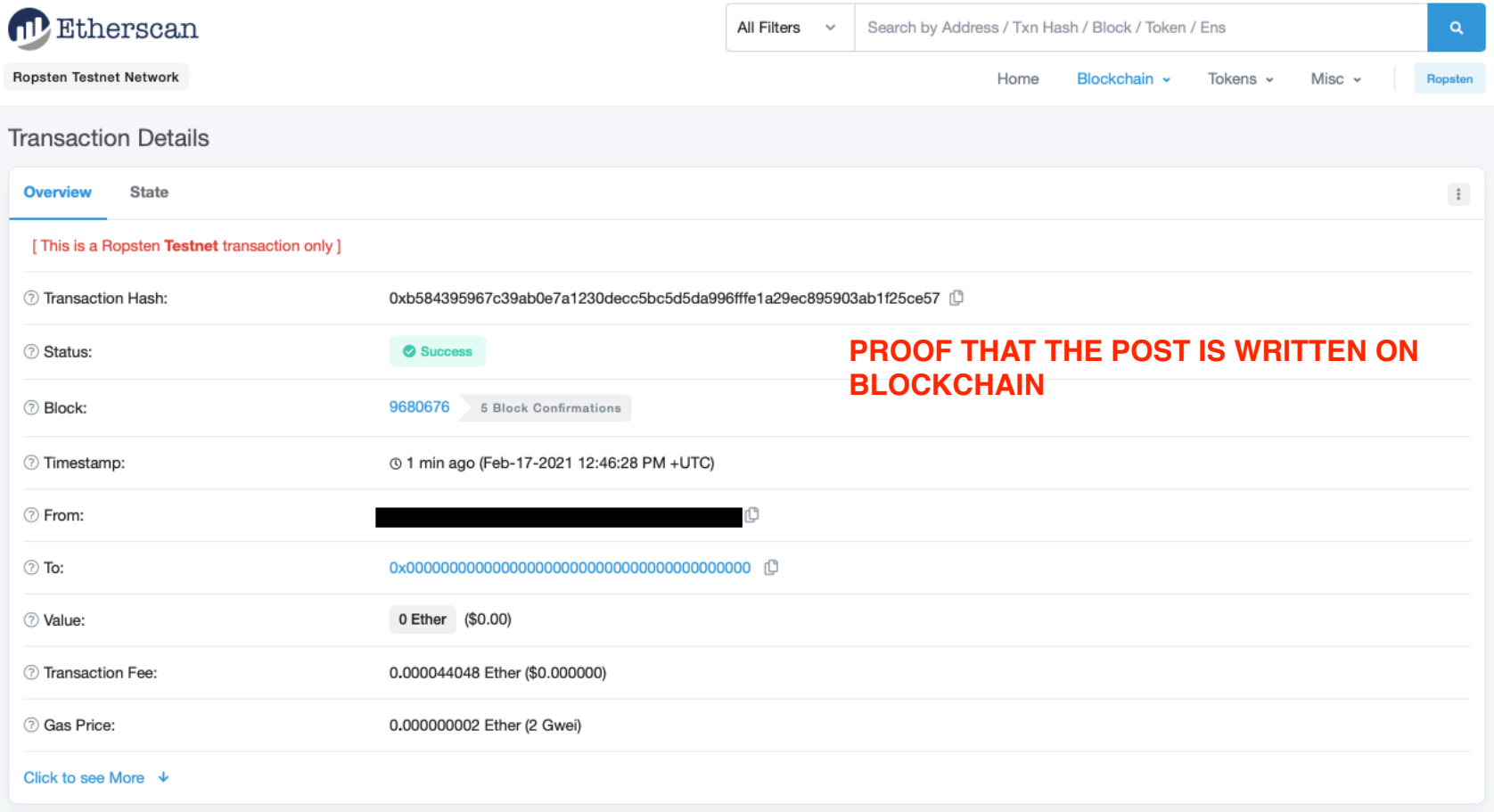
Author: filipposchieratti

Content: This Post will be written on Ethereum Testnet Ropsten

Hash: 0402d77b8dab420480acec8bbd26b5ee6ad48767ea1699ec0587591e15f9684d

txId: 0xb584395967c39ab0e7a1230decc5bc5d5da996fffe1a29ec895903ab1f25ce57

EXAMPLE PART 2


Etherscan
Ropsten Testnet Network
All Filters
Search by Address / Txn Hash / Block / Token / Ens
Home
Blockchain
Tokens
Misc
Ropsten
Transaction Details
Overview
State
[This is a Ropsten Testnet transaction only]
Transaction Hash:
0xb584395967c39ab0e7a1230decc5bc5d5da996fffe1a29ec895903ab1f25ce57
Status:
Success
PROOF THAT THE POST IS WRITTEN ON BLOCKCHAIN
Block:
9680676
5 Block Confirmations
Timestamp:
1 min ago (Feb-17-2021 12:46:28 PM +UTC)
From:
To:
0x0000000000000000000000000000000000000000
Value:
0 Ether
($0.00)
Transaction Fee:
0.000044048 Ether ($0.000000)
Gas Price:
0.000000002 Ether (2 Gwei)
Click to see More