

ТЗ на тестовое задание

Разработка на Python

Разработать приложение с использованием FastAPI.

Задача подготовить 4 эндпоинта:

1) POST: /api/users

- на входе список ссылок на твиттер аккаунты (от 1 до 500)

Пример входных данных:

<https://twitter.com/tyler>

<https://twitter.com/novogratz>

<https://twitter.com/elonmusk>

<https://twitter.com/MessariCrypto>

<https://twitter.com/CryptoHayes>

- На выходе идентификатор по которому получаем статус парсинга каждого аккаунта из списка

Пример:

{'id': 42}

2) GET: /api/users/status

Получение статуса парсинга каждого аккаунта из списка по идентификатору из пункта 1)

- на входе идентификатор

Пример:

{'id': 42}

- на выходе список username и его статус парсинга

Пример:

```
[  
  {
```

```
        'username': 'elonmusk',  
        'status': 'success'  
    },  
    {  
        'username': 'tyler',  
        'status': 'pending'  
    },  
    {  
        'username': 'test',  
        'status': 'failed'  
    }  
]
```

3) GET: /api/user/{username}

Получение данных твиттер аккаунта по его username

- twitter_id
- name
- username
- following
- followers
- description

4) GET: /api/tweets/{twitter_id}

Получение 10 последних твитов аккаунта по его twitter_id.

- на входе twitter_id, полученный при парсинге
- на выходе список твитов

документация для твиттер апи:

<https://developer.twitter.com/en/docs/twitter-api/v1>

Данные твиттер АПИ для работы

API_KEY:

J7oizhk4hRPxbCfgxbbrwe7FC

API_SECRET_KEY:

S8WJtYPW2jwsAXba5NZOHR4s96VfhppD2F0VpuH6VF9SDuwOrS

API_BEARER_TOKEN:

AAAAAAAAAAAAAAAAAAAAADFbbgEAAAAAgbDQ72%2BKSSj4LUIfX
ndxsYyAs1c%3D7rYx14Ozbpzl7dJF4DkCsWxj198YKHM60emOI7bDtZh
O24TQ4h

API_ACCESS_TOKEN:

1511487882145452033-BY2Lf3y4A2EVC40HzFvGstcpbYIRho

API_ACCESS_TOKEN_SECRET:

Eta8v5Bsul7npzd9BRJr1yF1FtvFAqFv4TWDORJmcBEpv

Прoxy если нужно:

uJEM1BHn:HBPjf7Tc@212.193.143.51:48707

Важно:

1. Приложение не должно падать.
2. Приложение должно работать быстро.
3. Чем оптимизированнее - тем лучше.

Предпочтение отдается работоспособности и надежности.

Опрятный и читаемый код приветствуется.

Дополнение функционала в качестве бонуса учитывается (при условии выполнения основных требований к ТЗ), но не являются обязательной частью.

Список из 500 аккаунтов для тестирования:

<https://twitter.com/elonmusk>

<https://twitter.com/VitalikButerin>

<https://twitter.com/jack>

<https://twitter.com/balajis>

<https://twitter.com/cdixon>

<https://twitter.com/pmarca>

https://twitter.com/brian_armstrong

<https://twitter.com/naval>

https://twitter.com/SBF_FTX

<https://twitter.com/FEhrsam>

<https://twitter.com/fredwilson>
<https://twitter.com/chamath>
<https://twitter.com/twobitidiot>
<https://twitter.com/APompliano>
<https://twitter.com/CoinDesk>
https://twitter.com/Melt_Dem
https://twitter.com/cz_binance
<https://twitter.com/ErikVoorhees>
<https://twitter.com/coinbase>
<https://twitter.com/laurashin>
<https://twitter.com/BarrySilbert>
<https://twitter.com/paulg>
<https://twitter.com/cobie>
<https://twitter.com/cburniske>
<https://twitter.com/aantonop>
<https://twitter.com/zhusu>
<https://twitter.com/bhorowitz>
<https://twitter.com/sama>
https://twitter.com/nic__carter
<https://twitter.com/BarackObama>
<https://twitter.com/ljxie>
<https://twitter.com/ethereumJoseph>
<https://twitter.com/NeerajKA>
<https://twitter.com/mcuban>
<https://twitter.com/AriDavidPaul>
<https://twitter.com/alexisohanian>
<https://twitter.com/ethereum>
<https://twitter.com/hasufl>
<https://twitter.com/tyler>
<https://twitter.com/haydenzadams>
<https://twitter.com/novogratz>
<https://twitter.com/a16z>
<https://twitter.com/starkness>
<https://twitter.com/AriannaSimpson>
<https://twitter.com/KyleSamani>
<https://twitter.com/Snowden>
<https://twitter.com/BillGates>

<https://twitter.com/matthuang>
<https://twitter.com/StaniKulechov>
<https://twitter.com/lawmaster>
<https://twitter.com/lopp>
<https://twitter.com/mdudas>
<https://twitter.com/spencernoon>
<https://twitter.com/patrickc>
<https://twitter.com/garrytan>
<https://twitter.com/fintechfrank>
<https://twitter.com/kevinrose>
<https://twitter.com/el33th4xor>
<https://twitter.com/CryptoHayes>
<https://twitter.com/TheStalwart>
<https://twitter.com/arjunblj>
<https://twitter.com/jespow>
<https://twitter.com/reidhoffman>
<https://twitter.com/NickSzabo4>
<https://twitter.com/cameron>
<https://twitter.com/DavidSacks>
<https://twitter.com/saylor>
<https://twitter.com/TechCrunch>
https://twitter.com/katie_haun
<https://twitter.com/rleshner>
<https://twitter.com/Jason>
<https://twitter.com/adam3us>
<https://twitter.com/bgurley>
https://twitter.com/TheBlock__
<https://twitter.com/punk6529>
<https://twitter.com/SatoshiLite>
<https://twitter.com/zooko>
<https://twitter.com/katherinekwu>
<https://twitter.com/TuurDemeester>
<https://twitter.com/jillrgunter>
<https://twitter.com/CamiRusso>
<https://twitter.com/Uniswap>
<https://twitter.com/samczsun>
<https://twitter.com/arrington>

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<https://twitter.com/binance>
<https://twitter.com/jchervinsky>
<https://twitter.com/danrobinson>
<https://twitter.com/jessewldn>
<https://twitter.com/garyvee>
<https://twitter.com/rabois>
https://twitter.com/matt_levine
<https://twitter.com/ricburton>
<https://twitter.com/JeffBezos>
<https://twitter.com/gakont>
<https://twitter.com/NateSilver538>
<https://twitter.com/RyanSAdams>
https://twitter.com/tayvano_
<https://twitter.com/benthompson>
<https://twitter.com/QwQiao>
<https://twitter.com/MessariCrypto>
<https://twitter.com/sassal0x>
<https://twitter.com/CathieDWood>
<https://twitter.com/VinnyLingham>
<https://twitter.com/karaswisher>
<https://twitter.com/rogerkver>
<https://twitter.com/zero hedge>
<https://twitter.com/nytimes>
<https://twitter.com/sriramk>
<https://twitter.com/nlw>
<https://twitter.com/woonomic>
<https://twitter.com/sacca>
<https://twitter.com/TheCryptoDog>
<https://twitter.com/loomdart>
<https://twitter.com/Cooopahtroopa>
<https://twitter.com/andrewchen>
<https://twitter.com/gavinandresen>
https://twitter.com/CaitlinLong_
<https://twitter.com/ercwl>
<https://twitter.com/levie>
<https://twitter.com/gavofyork>

<https://twitter.com/BitcoinMagazine>
<https://twitter.com/kaiynne>
<https://twitter.com/NTmoney>
<https://twitter.com/JoeBiden>
<https://twitter.com/davidmarcus>
https://twitter.com/La__Cuen
<https://twitter.com/TrustlessState>
<https://twitter.com/benedictevans>
<https://twitter.com/aeyakovenko>
<https://twitter.com/mrjasonchoi>
<https://twitter.com/jerallaire>
<https://twitter.com/Cointelegraph>
<https://twitter.com/SpaceX>
<https://twitter.com/eladgil>
<https://twitter.com/tarunchitra>
<https://twitter.com/PeterMcCormack>
<https://twitter.com/ljin18>
<https://twitter.com/CremeDeLaCrypto>
<https://twitter.com/danheld>
<https://twitter.com/jbrukh>
<https://twitter.com/ASvanevik>
<https://twitter.com/ConsenSys>
<https://twitter.com/hunterwalk>
<https://twitter.com/MakerDAO>
<https://twitter.com/VladZamfir>
<https://twitter.com/RayDalio>
<https://twitter.com/mikedemarais>
<https://twitter.com/AOC>
<https://twitter.com/iamDCinvestor>
<https://twitter.com/WSJ>
<https://twitter.com/joeykrug>
https://twitter.com/Arthur_0x
<https://twitter.com/danprimack>
<https://twitter.com/stablekwon>
<https://twitter.com/bantg>
<https://twitter.com/jerrybritto>
<https://twitter.com/opensea>

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<https://twitter.com/DoveyWan>
<https://twitter.com/Bitcoin>
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<https://twitter.com/LynAldenContact>
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<https://twitter.com/rrhoover>
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<https://twitter.com/DegenSpartan>
<https://twitter.com/mattysino>
https://twitter.com/DeFi_Dad
https://twitter.com/coin_artist
<https://twitter.com/mlevchin>
<https://twitter.com/MetaMask>
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<https://twitter.com/avichal>
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<https://twitter.com/solana>
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<https://twitter.com/packyM>
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<https://twitter.com/pythianism>
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<https://twitter.com/ameensol>
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<https://twitter.com/Shaghnessy119>
<https://twitter.com/collision>
<https://twitter.com/zachxbt>
<https://twitter.com/msantoriESQ>
<https://twitter.com/zmanian>
<https://twitter.com/eriktorenberg>
<https://twitter.com/hudsonjameson>
<https://twitter.com/owocki>
<https://twitter.com/albertwenger>
https://twitter.com/_charlienoyes
<https://twitter.com/PanteraCapital>
<https://twitter.com/zoink>
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<https://twitter.com/brucefenton>
<https://twitter.com/HsakaTrades>
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<https://twitter.com/fluffypony>
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<https://twitter.com/evabeylin>
<https://twitter.com/andy8052>
<https://twitter.com/gmoneyNFT>

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<https://twitter.com/ev>
<https://twitter.com/CurveFinance>
<https://twitter.com/nicksdjohanson>
<https://twitter.com/compoundfinance>
https://twitter.com/scott_lew_is
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<https://twitter.com/nathanielpopper>
<https://twitter.com/jmj>
<https://twitter.com/literature>
<https://twitter.com/AaveAave>
<https://twitter.com/ezraklein>
<https://twitter.com/CoinMarketCap>
<https://twitter.com/coincenter>
<https://twitter.com/blockchain>
<https://twitter.com/RuneKek>
<https://twitter.com/pplpleasr1>
<https://twitter.com/msuster>
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<https://twitter.com/pwuille>
<https://twitter.com/andrewsorkin>
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<https://twitter.com/sequoia>
<https://twitter.com/BoredElonMusk>
<https://twitter.com/Blockstream>
<https://twitter.com/business>
https://twitter.com/teo_leibowitz
<https://twitter.com/inversebrah>
<https://twitter.com/paraga>
<https://twitter.com/optimismFND>
<https://twitter.com/prestonjbyrne>
<https://twitter.com/lexfridman>
<https://twitter.com/avsa>
<https://twitter.com/delitzer>

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<https://twitter.com/ledgerstatus>
<https://twitter.com/peterktodd>
https://twitter.com/tony_intern
<https://twitter.com/jimmysong>
<https://twitter.com/defipulse>
<https://twitter.com/simondlr>
<https://twitter.com/dfinzer>
<https://twitter.com/3LAU>
https://twitter.com/FTX_Official
<https://twitter.com/kimmaicutler>
<https://twitter.com/TheBlueMatt>
<https://twitter.com/alexia>
<https://twitter.com/dhof>
<https://twitter.com/AlamedaTrabucco>
<https://twitter.com/MikelIsaac>
<https://twitter.com/janehk>
https://twitter.com/_prestwich
<https://twitter.com/paoloardoino>
<https://twitter.com/tobi>
<https://twitter.com/semil>
<https://twitter.com/justinsuntron>
<https://twitter.com/Gemini>
<https://twitter.com/bfeld>
<https://twitter.com/MustStopMurad>
<https://twitter.com/ericschmidt>
<https://twitter.com/KamalaHarris>
<https://twitter.com/emiliemc>
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https://twitter.com/Jihoz_Axie
<https://twitter.com/TaylorLorenz>
<https://twitter.com/bneiluj>
<https://twitter.com/jackmallers>
<https://twitter.com/stewart>
<https://twitter.com/DCGco>

<https://twitter.com/notsofast>
https://twitter.com/TusharJain_
<https://twitter.com/dickc>
<https://twitter.com/joshelman>
<https://twitter.com/Ledger>
<https://twitter.com/phildaian>
<https://twitter.com/roham>
<https://twitter.com/HillaryClinton>
<https://twitter.com/AmberBaldet>
<https://twitter.com/waitbutwhy>
<https://twitter.com/joshk>
<https://twitter.com/NASA>
<https://twitter.com/mikejcasey>
<https://twitter.com/moxie>
<https://twitter.com/lightning>
https://twitter.com/peter_szilagyi
<https://twitter.com/BoredApeYC>
<https://twitter.com/Flynnjamm>
<https://twitter.com/spiralbtc>
<https://twitter.com/josephdelong>
<https://twitter.com/adamscochran>
<https://twitter.com/bchesky>
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<https://twitter.com/MarkYusko>
<https://twitter.com/brockpierce>
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<https://twitter.com/kevinroose>
<https://twitter.com/VCBragS>
<https://twitter.com/cyounessi1>
<https://twitter.com/FrancisSuarez>
<https://twitter.com/coingecko>
https://twitter.com/karl_dot_tech
<https://twitter.com/Austen>
<https://twitter.com/sandeepnailwal>
<https://twitter.com/POTUS45>
<https://twitter.com/DocumentingBTC>
<https://twitter.com/Jessicalessin>
<https://twitter.com/IamNomad>
<https://twitter.com/ryaneshea>
<https://twitter.com/TheOnion>
<https://twitter.com/DefiantNews>
<https://twitter.com/BrendanEich>
<https://twitter.com/BitMEXResearch>
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<https://twitter.com/jinglejamOP>
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<https://twitter.com/StephenAtHome>
<https://twitter.com/zeynep>
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<https://twitter.com/drakejustin>
<https://twitter.com/AndrewSteinwold>
<https://twitter.com/Cryptopathic>
https://twitter.com/whale_alert

<https://twitter.com/washingtonpost>
<https://twitter.com/patio11>
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<https://twitter.com/biz>
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<https://twitter.com/xanderataallah>
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<https://twitter.com/travisk>

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<https://twitter.com/antiprosynth>
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<https://twitter.com/graphprotocol>
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<https://twitter.com/eugenewei>
<https://twitter.com/eiaine>
<https://twitter.com/JoshConstine>
<https://twitter.com/aubreystrobel>
<https://twitter.com/roelofbotha>
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<https://twitter.com/BitcoinIsSaving>
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<https://twitter.com/SuperRare>
<https://twitter.com/avalancheavax>
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<https://twitter.com/michaeljburry>
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<https://twitter.com/HHorsley>
<https://twitter.com/JihanWu>