

# Securitize Full Stack Developer

## Assignment

### Digital Wallet Dashboard

#### Objective

Build a generic platform that return analytics on an ethereum wallets

#### Tools

To get information on ethereum wallet please use <https://etherscan.io/apis>

API Key: *NSZCD6S4TKVWRS13PMQFMVTNP6H7NAGHUY*

#### Requirements

The application have the following requirements:

1. Add wallet addresses and display them
2. From the set of wallets, the user should be able to select favorites and order by them
3. We should have a way to know if a wallet is old. A wallet is considered old if the first transaction was performed at least one year ago.
4. The user should be able to do the following actions -
  - a. Get exchange rates from Euro and US Dollar to ETH (Ethereum), those can be stored in-memory or in any DB of your preference.
  - b. Edit the exchange rate of Euro or US Dollar to ETH
3. Given a currency (Euro or US Dollar) then the user should have the balance of the ETH in the wallet in the selected currency using the exchange rates from step 4.

For API:

- You should use NestJS
- You can store data in memory, but a DB is a must be.

For UI:

Implement for above endpoints a dashboard interface (React / VueJs) using the attached designs. Use redux/vuex if necessary.

Please note: You can add things to the design if required.

We're taking into account:

1. Functionality.
2. Your code.
3. Readiness for production.
4. Your decisions on how you choose to implement.

UI Design:

The image displays two versions of a wallet dashboard UI design. Both versions feature a red warning banner at the top that reads "⚠️ Wallet is old!".

The top version shows a balance of "1.32" on the left and a currency selector on the right. The selector is set to "USD" and displays "30 \$".

The bottom version shows a similar layout but with a text input field for the balance, containing the value "1.32". A small red "x" icon and a green checkmark are visible in the top right corner of the balance input field. The currency selector on the right remains the same, showing "USD" and "30 \$".

# Good Luck!