Challenge BE Dev

Description:

Create a tool to calculate possible return on investment for an user, based on the selected strategy.

The user owns EGLD token and wants to decide which strategy will be best for him. Possible strategy:

- EGLD hold in the wallet used as reference
- EGLD Stacking staking EGLD and getting APR
- EGLD Stacking and Redelegating staking EGLD and re-delegating the rewards every X weeks (to be taken from an input field) and getting APY
- MEX Staking staking MEX and getting APR
- MEX Staking and redelegating taking MEX and re-delegating the rewards every X weeks (to be taken from an input field) and getting APY

Input fields:

- EGLD price target float
- MEX price target float
- Time monitored datetime range field
- EGLD invested and MEX invested (the percentages split are inputted by the user if they own EGLD only, to split how much the user will want to swap to MEX and how much to retain as EGLD. If not they will have to input the EGLD and MEX values directly and the percentage fields go away)
- Redelegation period (eg. every day, week, month...) it is not displayed in the mockup, but needs to be included.
- Price targets for both EGLD and MEX, for future reference to compare with just holding.

Challenge BE Dev 1

• Drop down menu to choose the staking provider for the EGLD staking strategies APR calculation.

Todo:

provide % Return on investment for each of the possible strategy, in relation to
EGLD hold in the wallet strategy (used as refference)
provide the calculation for each strategy (split by EGLD, USD,) as shown in the
mockup

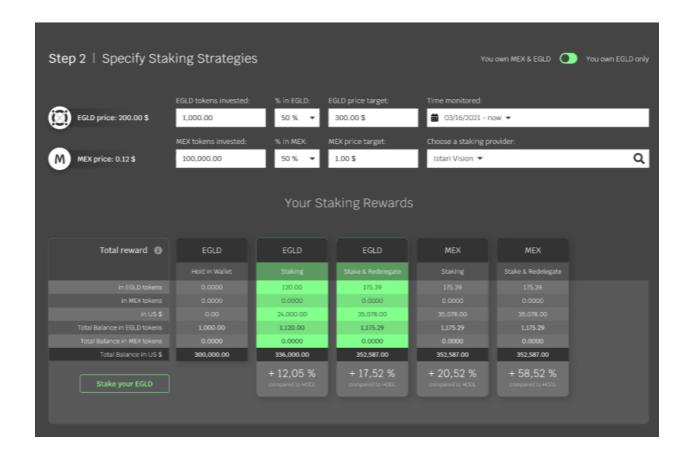
Resources:

- for the APR % use: https://api.elrond.com/providers
- for the EGLD realtime price in \$: use a public api (from binance, coinmarketcap,....)
- For the MEX realtime price in \$: use https://testnet.exchange/ and https://testnet-exchange-graph.elrond.com/graphql

Mockups:

• the UI part for this challenge is just to showcase the calculations done in the backend (does not have to match them exactly - and no fancy effects)

Challenge BE Dev 2



Challenge BE Dev 3