

## Market Status API REST

The goal of this project is to create a public API REST that retrieves market information for trading pairs.

Specifications:

- Use Express framework to set up the server.
- The API should expose two endpoints:
  - One that receives a pair name, and retrieves the tips of the orderbook (i.e. the better prices for bid-ask). Response should include both the total amounts and prices.
  - Other endpoint that is called with the pair name, the operation type (buy/sell) and the amount to be traded. Should return the effective price that will result if the order is executed (i.e. evaluate [Market Depth](#)).
- API should return market values for the following pairs: BTC-USD and ETH-USD. We expect to handle unexpected pairs.

This engine must be written in Node.js and it must use websockets, without persistent storage. It should also support a HTTP interface to fetch the endpoints.

The backend should consume data from an external exchange. You could use the orderbook websocket stream from [Bittrex API](#) or [Bitfinex API](#).

Submit your solution to a private github repository. Keep the organization of branches and commits as if you were working in a team. Give access to the following list of github users:

- **fedecaccia**
- **francomangussi**
- **mainqueg**
- **ramirocarra**
- **Pablofedericosantillan**
- **Fabenedetti**
- **Oter2901**
- **gonza4**

### Bonus:

- In the second endpoint, include a parameter to set a limit for the effective price and retrieves the maximum order size that could be executed.
- Create a set of unit tests for the logic used in the Market Depth implementation.

### Evaluation

- Show us how you create clean, maintainable code.
- Focus your solution on performance and scalability.
- Make the code aesthetic, clean code (use linter)
- Senseful folder structure
- Scalable solution
- Error handling and logging

Upon completion, send a .zip file **without node\_modules** to your recruiter  
Include any env vars required for running the project and some pictures of it working