Questions:

1. Confirmation of Input and output of HTTP service to be Implemented.
2. Input to API:

API is going to have only one Input which is an Integer value that represents a signal.

Can I assume that the input to setParam method of Algo class are assumed to be constant values for each event? In the example: for signal 1(1 being Integer passed to API), new application will always pass 1 & 60 as params to *algo.setAlgoParam* method? Is that assumption right? Which means the input params to Algo class remains constant for each event? Is that right?

If not, Does the new solution need to take care of accepting algo params as part of HTTP API along with event(Simple Integer)? If so, can these pair of inputs be a list of pairs(referring to case 3 in Application class of SignalHandler implementation).

1. Response of HTTP API.

All methods of Algo class are void. For a successful execution of the event, does the response of HTTP API need to send any message like “Success”? Or just HTTP status of 200 should be fine? Also, any specific format of message is expected out of this API for Exception and error cases?

1. Nature of event
2. Can event be defined as a set of commands to be executed on Algo class? In other words, implementation of event can be assumed as a set of calls to methods inside Algo class?
3. Or will there be any scope for custom logic /handling that has to be written inside event implementation either before calling Algo class methods, or between the calls to Algo class methods or after the calls to Also class methods?
4. From case1, case2, case3 example (inside Application class), can I assume that *“algo.submitToMarket(); “* needs to be called as a last step in the execution of every event?
5. Nature of Algo
6. How often does this class change?
7. Given the scenario where 50 new signals can be added per month, the list of behaviours(method) inside Algo class remains the same? Or new methods get added with increasing events?
8. I am assuming **“Algo class cannot be modified”** means the class cannot be extended or behaviours cannot be overridden? Is my assumption right?

If not, Is updating Algo class so that It cannot be overridden is within the scope of this test?

1. Lets say assumption in point no 3 is right! In my solution can I refer to Algo class a just another class inside the application without touching it? Or the expectation is to use this class as a dependency or as a jar file in my application?