## *Problem Description:*

Design and implement a simple market watch GUI application in either Java or .Net.

1. The market watch app should be able to listen to the websocket data stream (https://binance-docs.github.io/apidocs/spot/en/#trade-streams), which receives and decodes json format data published by the exchange.
2. The market watch app has a subscribe symbol text input, where the user can type their input symbol. This input symbol should be added in the market watch list.
3. The application should read the data from the websocket stream for the symbols added, decode the json format data, and extract all relevant information for the subscribed symbols.
4. The latest bid and ask prices should be updated when there is a feed update event available on the websocket stream. Depending upon the field 'm' ("is the buyer market maker?"), the relevant Bid or Ask field should be set.
5. The colour of the Bid and Ask fields should change depending on how they changed from the previous value. For example, if the current Bid is higher than the previous bid, the price should be of colour green.
6. (Optional) Provide a search functionality that goes through the list of symbols subscribed and tells if we have already subscribed to it or not.
7. (Optional) The JSON that the exchange publishes contains numerous fields. Provide a functionality that allows the user to turn on/off the columns that show up on the app.

| Market Watch App | | |
|---|---|---|
| **Subscribe Symbol:** | <input symbol> | |
| **Symbol** | **Bid** | **Ask** |
| **BTCUSDT** | 30146.56 | 30165.62 |
| **ETHUSDT** | 2022.75 | 2024.45 |
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*Reference Links:*
*Binance API*: https://binance-docs.github.io/apidocs/spot/en/