



muTrade

API Development Checklist

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Company Overview

uTrade Solutions is a fintech company providing enterprise solutions including Blockchain driven clearing, multi-asset trading platform, algorithms and risk management solutions to financial institutions and their end customers. Our product suite includes the following:

- ✓ **Multi Asset Trading platform:** with full suite application and html5 web-based front ends (Including admin functions, risk management, order management, connectivity to exchanges etc.).
 - It supports trading for all listed products including equities, futures, options, commodities, as well as for non-listed products like FX, CFDs, etc.
- ✓ **Low latency algorithmic trading platform:** Used in exchange co-location environment or in client data centres/cloud for fastest access to markets to execute arbitrage, market making, execution, excel based, quant driven, api based proprietary and various other strategies across all asset classes. It also provide FIX APIs for DMA and Algos access
- ✓ **Open Source, Risk Management, and Custom Solutions:** We also customise and open source some modules of our technologies.
- ✓ **Blockchain Solutions:** uTrade is driving new solutions enabled by the latest technologies including Blockchain. We have built Clearing and KYC focused Blockchain platforms. We are also partnering with clients to guide and provide Blockchain Solutions for their desired workflows. Our existing products include:
 - **uClear** – uClear is a Blockchain based clearing solution for real time clearing and settlement. It allows for any exchange-matching engine to clear trades post execution through a private blockchain, across equities and futures, with real time risk management, reporting and other financial transfer instructions.
 - **KYChain** - KYChain is a KYC platform with mobile and web driven interface for clients to upload their documents and share securely with any institutions, primarily for KYC purpose. Institutions can also contribute back to the data of the users based on permissions.

We have built our products from ground-up with a modular architecture in order to effectively address current and rapidly evolving user needs. We have also filed for 6 patents in India and 1 patent in US/UK to lead innovation in the trading life cycle.

Please watch our video demos at www.youtube.com/utradesolutions

In 2013-2014, uTrade Solutions was recognized as a leading innovative fin-tech start-up by:



Checklist

1. Feed Requirement - Snapshot or TBT
2. How many instances of this strategy will be run in parallel
3. Strategy will be deployed in colocation or local server
4. Self Trade Implementation/Handling:
What should be behaviour on getting self trade rejection?
 - Keep trying (till some number of iterations) or Stop the strategy
 - Keep in mind different behavior may be required depending on the bidding/hedging or any other leg
5. NSE TER Implementation in Algo or not.
6. Whether GUI is required or want to run strategy from backend script?
7. NULL checks
 - NULL checks should be properly put otherwise system crash may happen.
 - Example: Instrument, any other detail
8. Exchange behaviour on disconnection:
 - Cancel on logout or reconciliation
9. RMS Checks
 - Behaviour on seeing RMS rejection
10. Cross exchange Strategies
 - All the possible combinations for cross exchange strategies should be discussed beforehand.
 - e.g. NSE/BSE , SGX/NSE etc. This will also help in keeping the algos generic.



uTrade's Client presence





uTrade

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