

# GenAI for ArbitrageGainer model feedback

Below are the changes I made to the team's pseudocode based on GenAI's suggestions.

	Change	Reason
Workflow Clarification	Renamed <code>getRealTimeCryptocurrencyPair</code> to <code>subscribeToRealTimeCryptocurrencyPair</code> .	Clarifies that the workflow subscribes to live data feeds rather than fetching a one-time value, aligning with stateless functional design.
Event Naming	Renamed <code>Currency1</code> , <code>Currency2</code> , <code>Quote1</code> , <code>Quote2</code> to <code>BuyCurrency</code> , <code>BuyQuote</code> , <code>SellCurrency</code> , <code>SellQuote</code> in <code>newPriceQuote</code> event.	Improves alignment with domain-specific language, making the event clearer and more intuitive for domain experts.
Event Naming	Expanded <code>persistOrderInDB</code> and <code>storeTransactionInDB</code> to include fields such as <code>TransactionID</code> , <code>CurrencyPair</code> , <code>BuyQuantity</code> , <code>BuyPrice</code> , <code>SellQuantity</code> , <code>SellPrice</code> , <code>Status</code> , and <code>Timestamp</code> .	Provides comprehensive transaction details, improving the completeness and reliability of persisted data.
Event Naming	<code>notifyUserViaEmail</code> now uses a flexible message field.	Increases adaptability for notifications, though further refinement may be needed for real-world usage.
Event Naming	Clarified conditions in <code>updateOrderStatus</code> workflow for <code>BothLegFulfilled</code> , <code>PartiallyFulfilled</code> , and <code>OneSideFulfilled</code> scenarios, ensuring proper event emission and user notification.	Ensures that edge cases are handled consistently, reducing ambiguity in the system's response to incomplete orders.