Below are four major need-to-be-improved parts generative AI pointed out, followed by my modifications based on feedback:

1. Missing or Unclear Event Usage:
   a. <u>Some events are defined but not properly reused</u>: I changed the description of OrderOneSideFilled event and made it applicable to two workflows / inputs across the project.
   b. <u>Stop Conditions (The stop conditions of real-time trading are unclear)</u>: I then explicitly send a StopTrading event, which is linked to the successive workflow.
2. Incomplete Workflow for Arbitrage Opportunities:

   I discussed with Pascal (who is responsible for this part) to add a node of comparing different arbitrage strategies to make it more clear.

3. Order Status Update & P&L Tracking:
   a. <u>The workflow for UpdateOrderStatus does not fully describe how P&L calculations will be performed in real-time or how historical P&L data is stored and retrieved:</u> I discussed with Lainey to reformat the UpdateOrderStatus and Calculate P&L workflows. We agreed on wrapping all OrderStatuses in an OrderCompletedStatus type which can bridge these two workflows.
4. Event Clarity:
   a. <u>The OrderStatusUpdated event includes a type called Cause, but its relation to other workflows (such as Calculate P&L) is unclear:</u> Similar to above, I renamed the original "Cause" to "OrderCompletedStatus" to make the identifier more informative.

Besides, I also noticed that GenAI is not very efficient in identifying our updates. Sometimes we explicitly fixed the issues mentioned by GenAI and iteratively fed in the attachment, but it still generated the same outputs. While new contents were produced in aggregation each time, the repetitive contents could be a bit confusing.