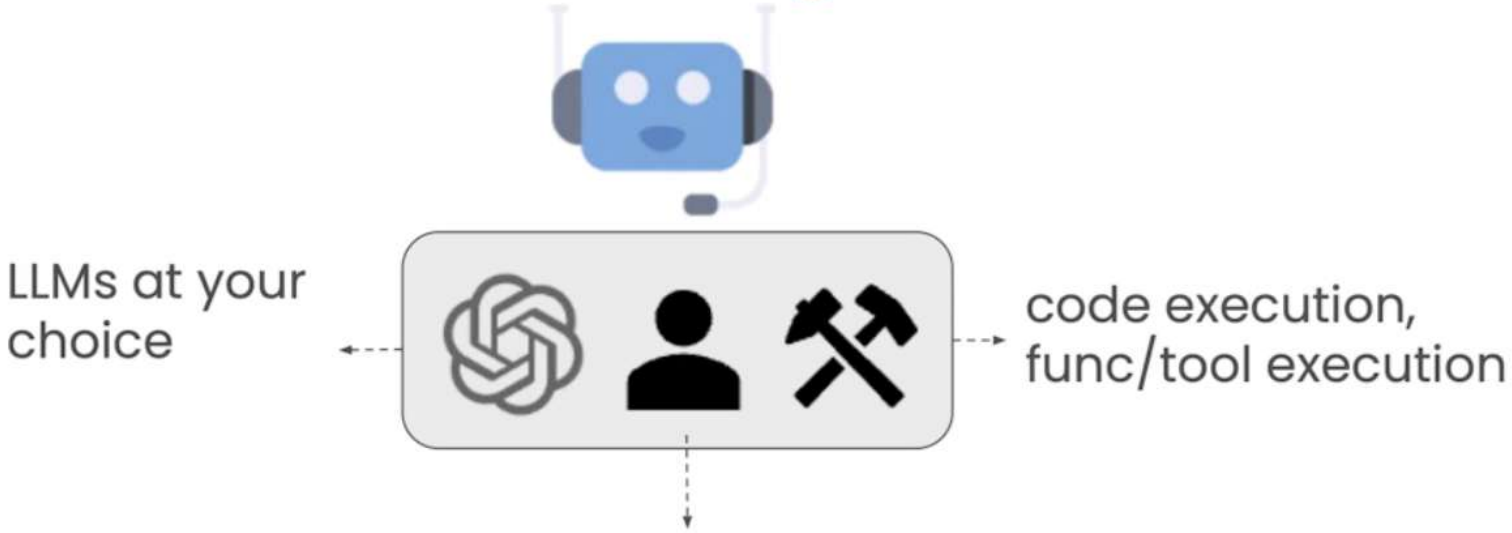
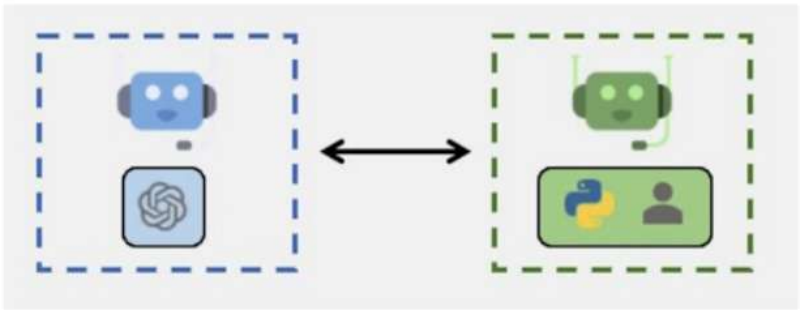
Microsoft PennState DeepLearning.AI

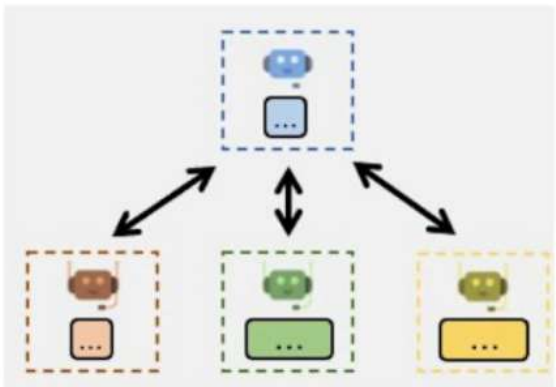
Basic concepts of AutoGen Agents

Conversable Agent



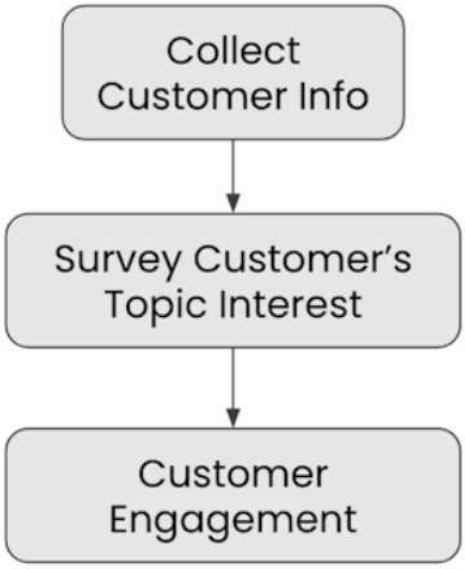


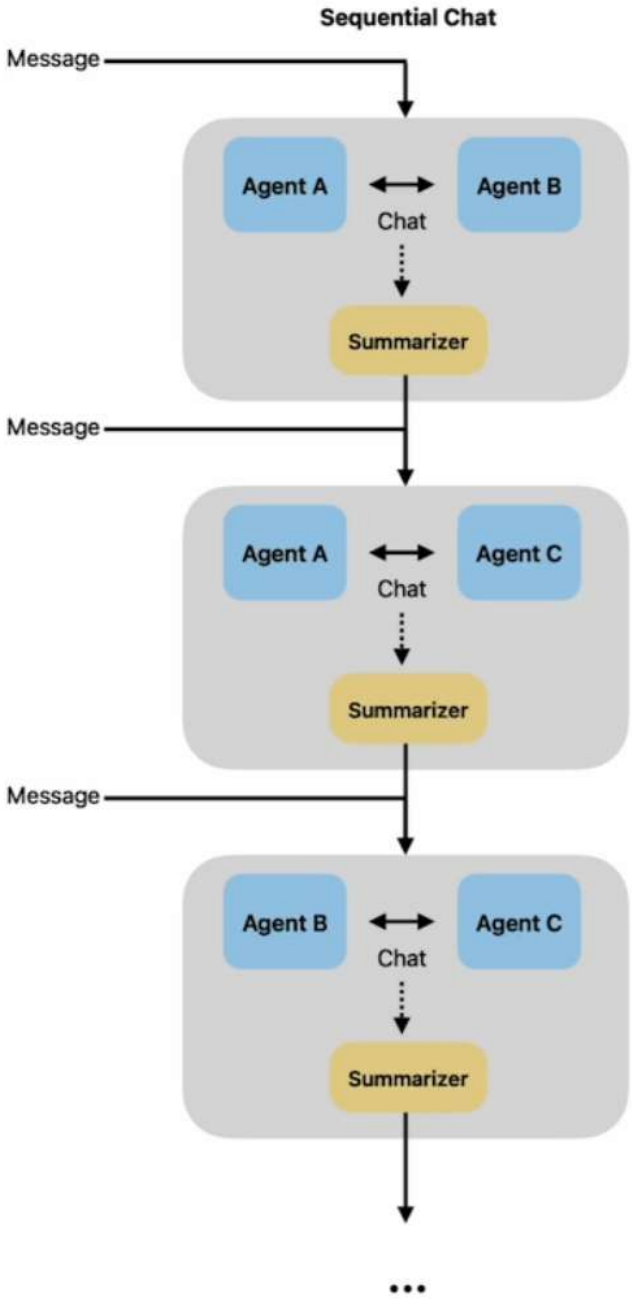
Two-agent Chat

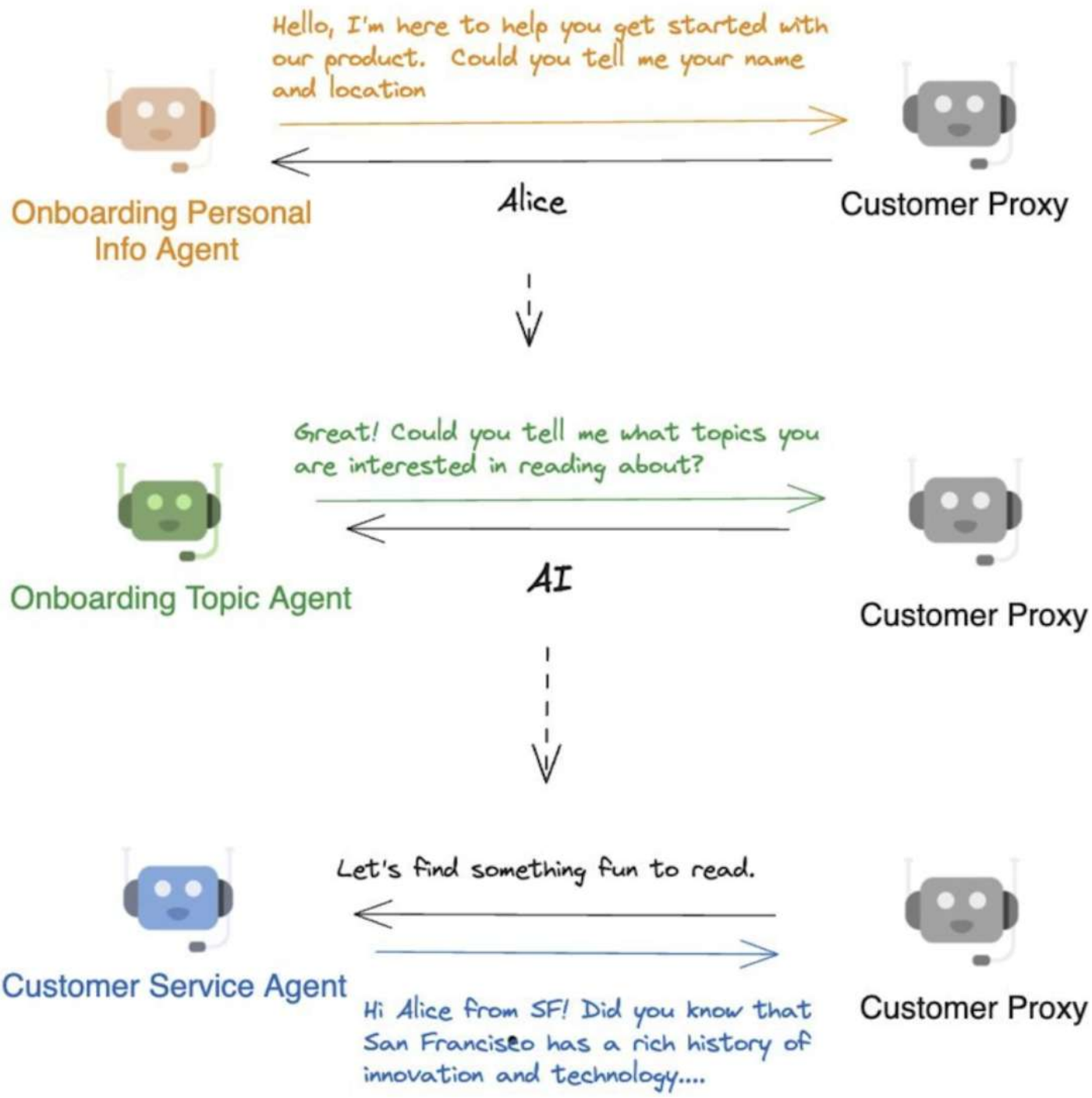


Multi-agent Chat

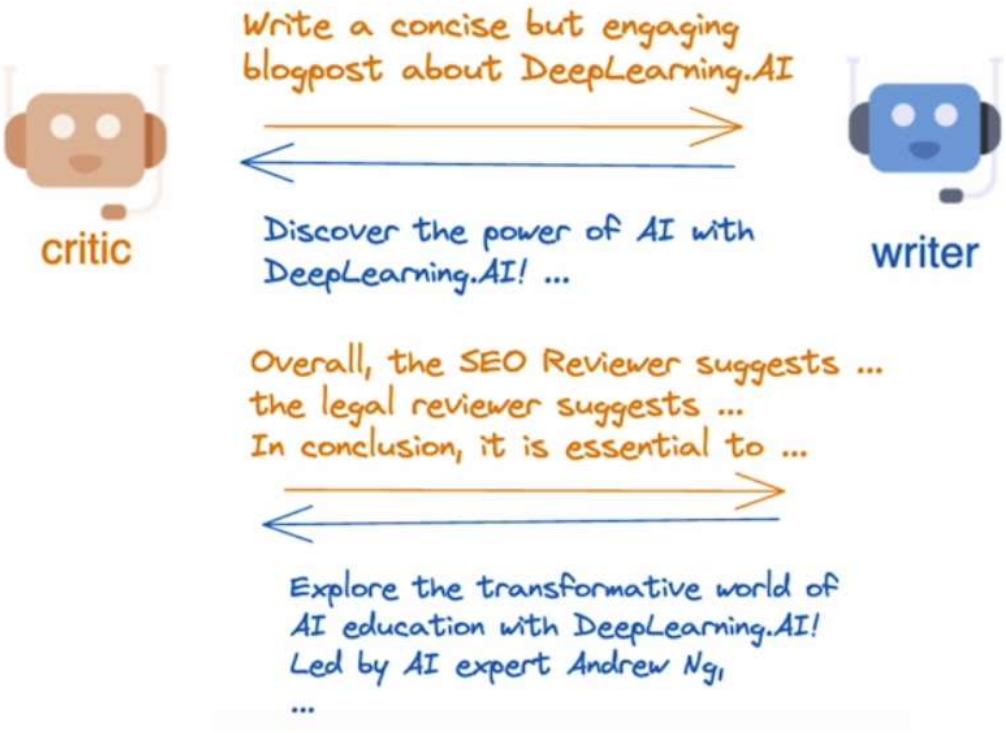
Customer Onboarding Task






Hello, I'm here to help you get started with our product. Could you tell me your name and location
Onboarding Personal Info Agent
Alice
Customer Proxy
Great! Could you tell me what topics you are interested in reading about?
Onboarding Topic Agent
AI
Customer Proxy
Let's find something fun to read.
Customer Service Agent
Hi Alice from SF! Did you know that San Francisco has a rich history of innovation and technology....
Customer Proxy

Two-agents reflection



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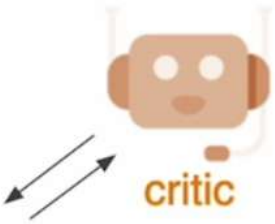
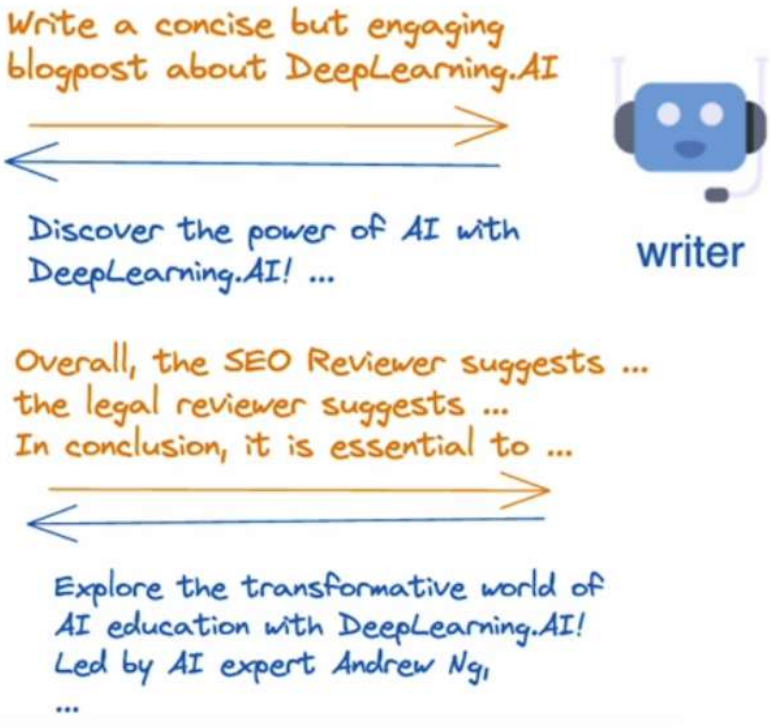
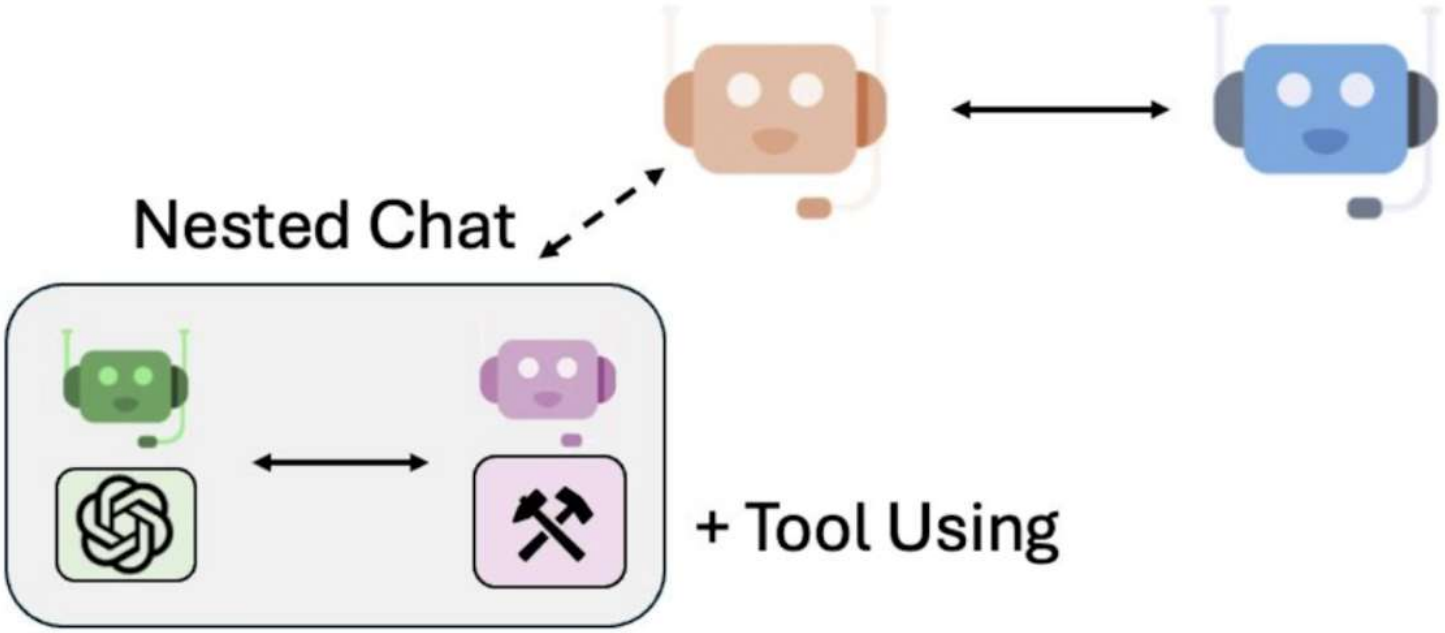
Nested chats

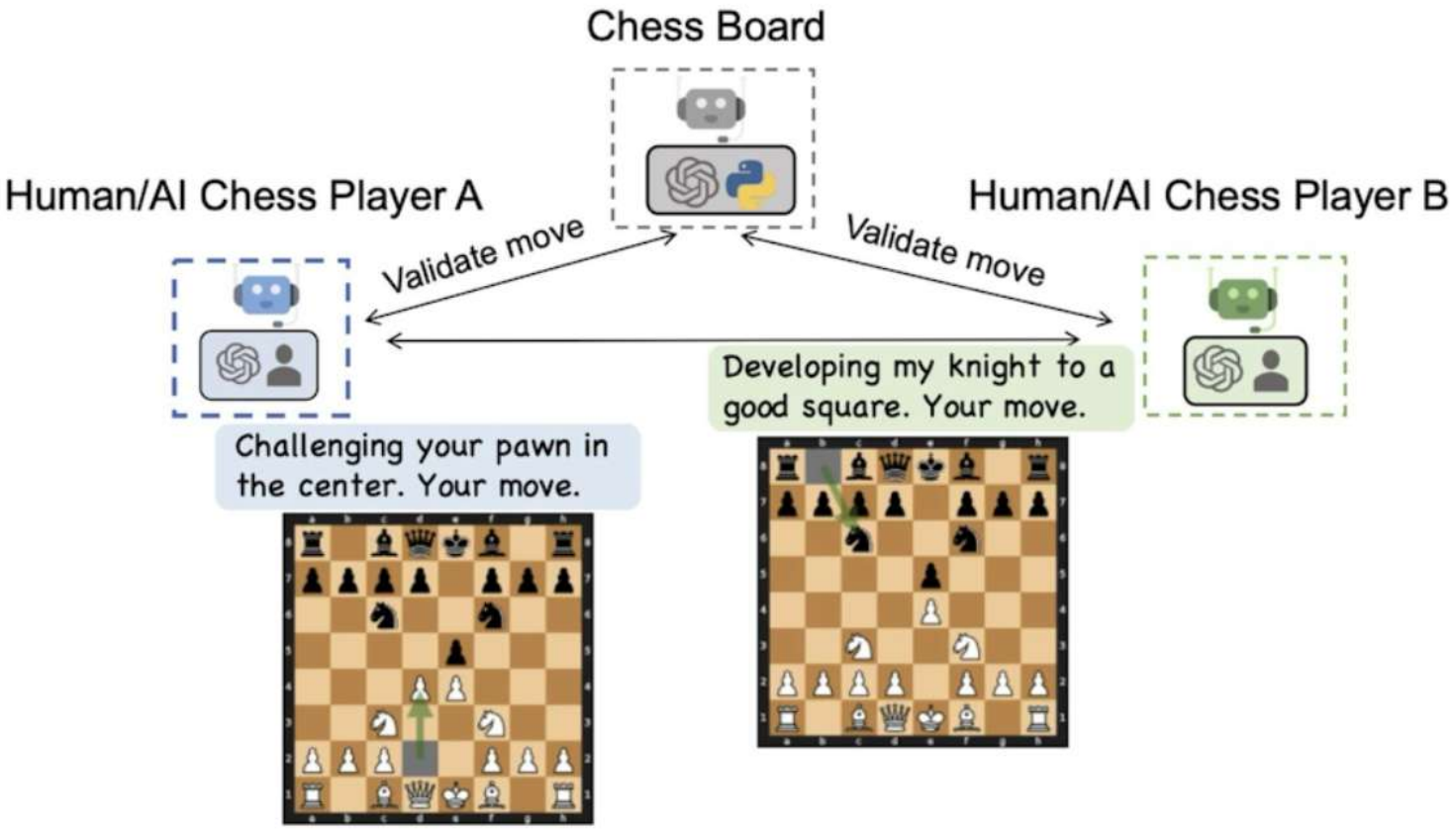


register_nested_chat

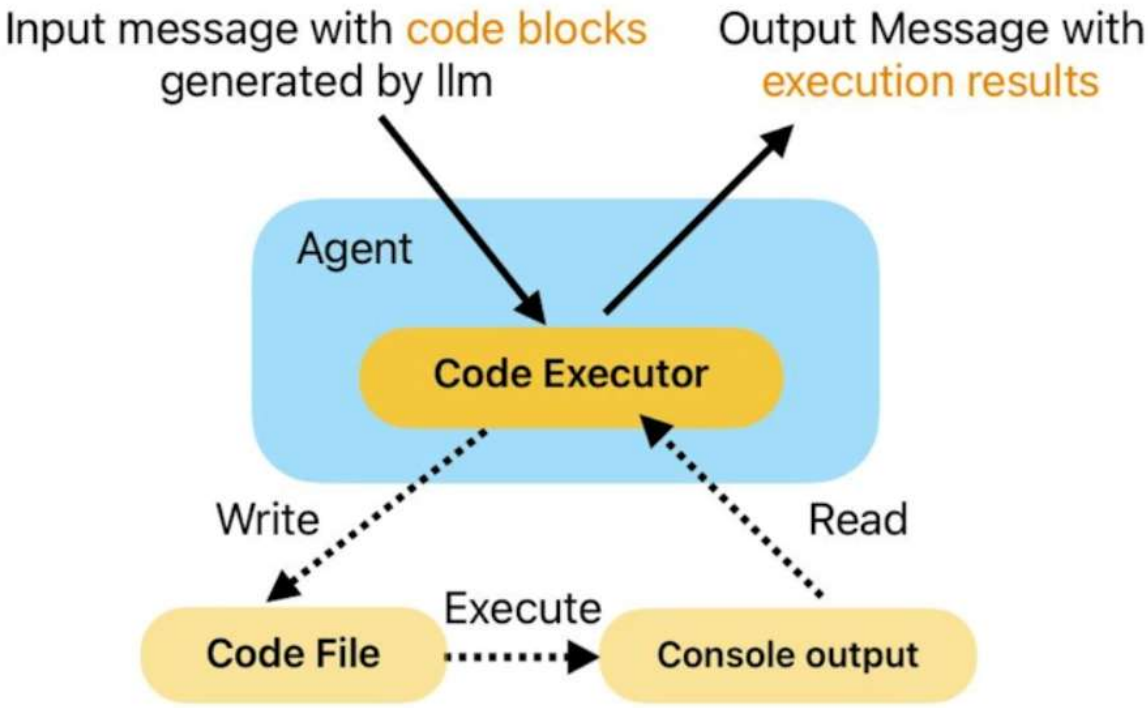
a sequential chat among a list of of reviewers nested in the critic



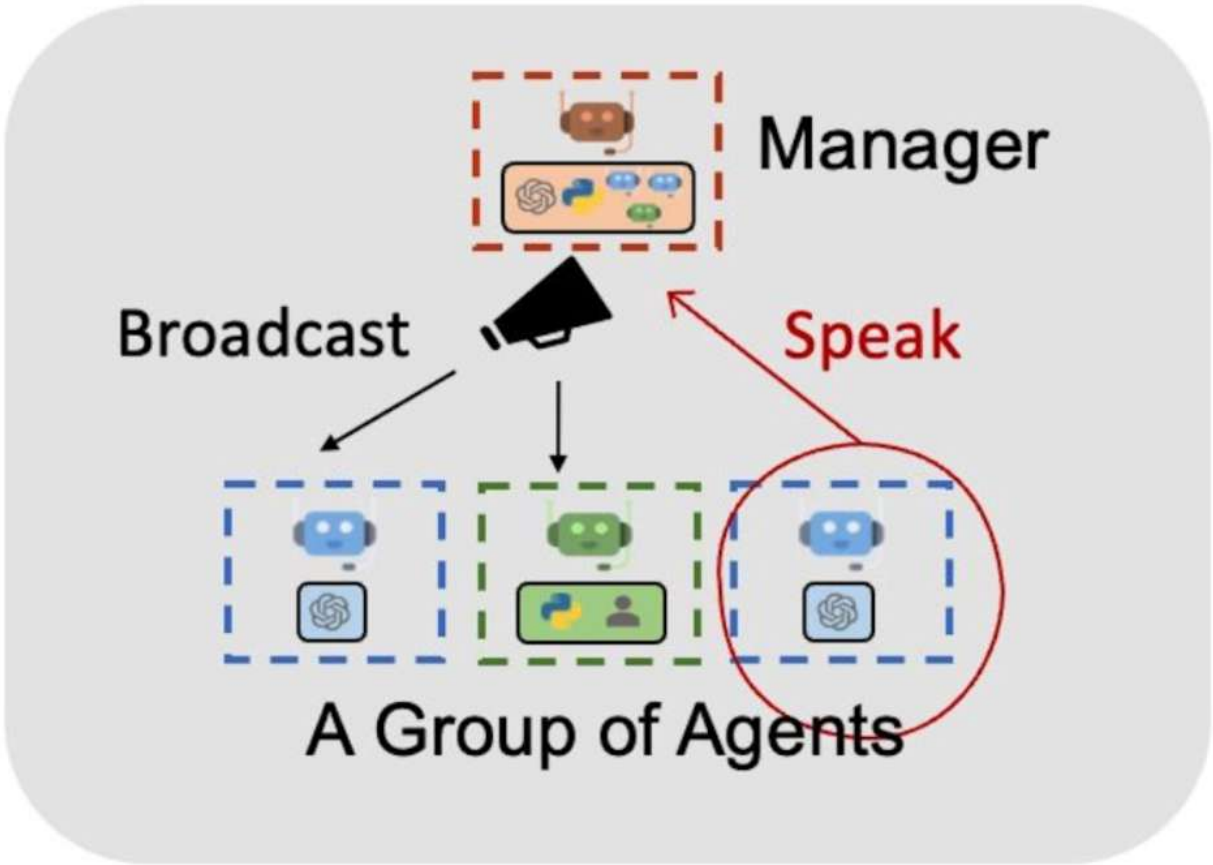

Nested Chat
+ Tool Using


Chess Board
Human/AI Chess Player A
Human/AI Chess Player B
Validate move
Validate move
Challenging your pawn in the center. Your move.
Developing my knight to a good square. Your move.

Freestyle coding + Code Execution

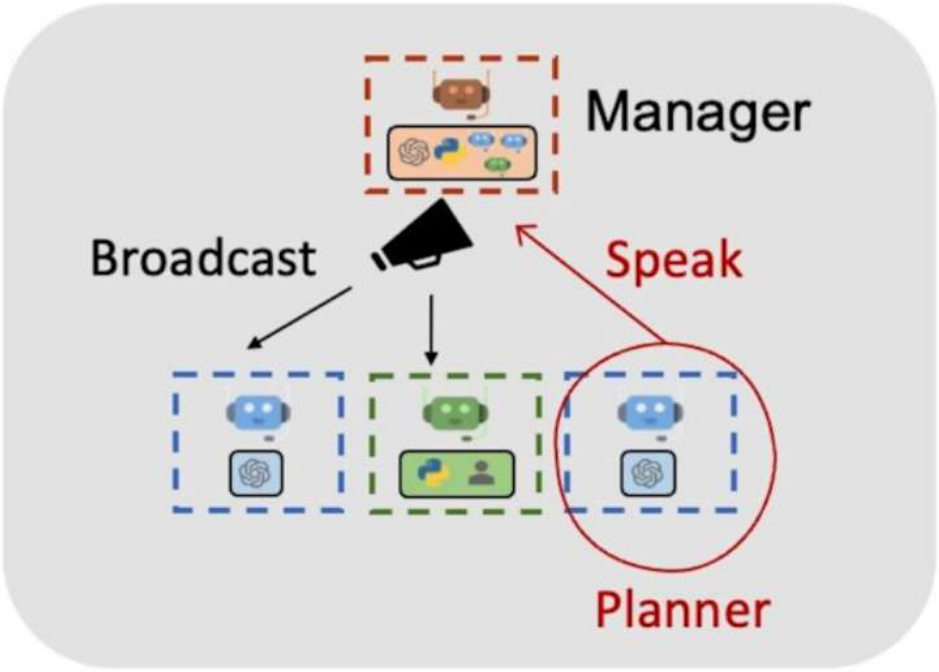


Planning and group chat



Summary

Planning in a Group Chat



Other ways to do planning and task decomposition:

- Planner as a func call
- AutoBuild

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Resources

- AutoGen Github: https://github.com/microsoft/autogen
- AutoGen Discord: https://discord.gg/pAbnFJrkgZ

- Email: auto-gen@outlook.com