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Building AI Agents with AutoGen

Agent Orchestration using AutoGen

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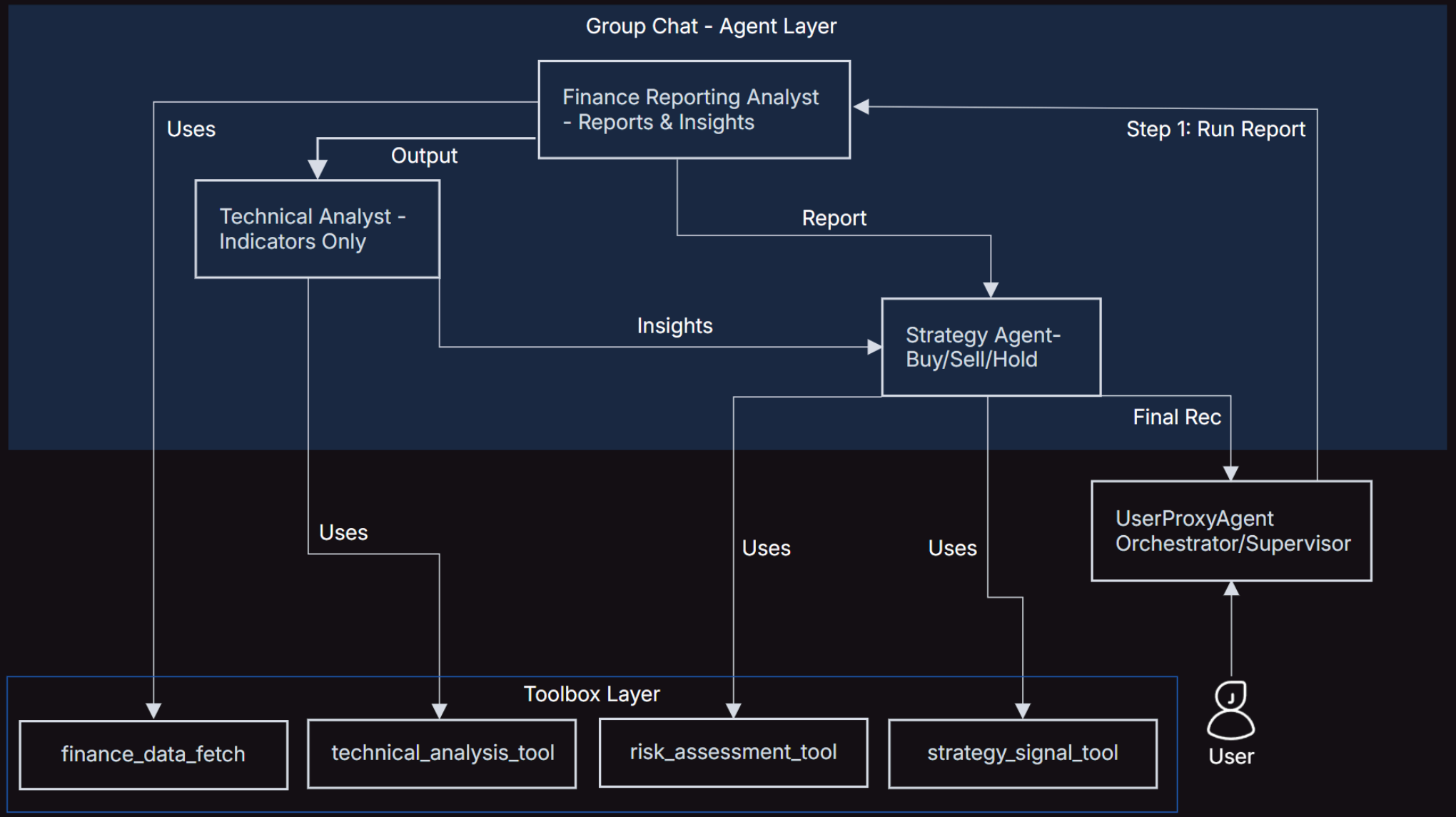
Agents and Tools for Financial Analysis



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Agent Orchestration – Group Chat

Workflow:

Step 1: Register Tools

- Technical Analysis → technical_analyst
- Risk Assessment & Strategy Signal → strategy_agent
- Data Fetch → finance_reporting_analyst

Step 2: Initiate GroupChat

- Participants:
  - user, finance_reporting_analyst, technical_analyst, strategy_agent
- Orchestration via GroupChatManager
- LLM Config:
  - temperature=0.5, timeout=280s

Step 3: Execute User Request

- Chat flow:
  - Round-robin speaker selection
- Results retrieved from chat_history or summary

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Hands-On

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