



Exploring LangGraph

Austin LangChain Users Group

Agenda

- Welcome Message
- News & Announcements
- Labs using LangGraph!
 - Agent Supervisor
 - Multi-Agent Collaboration
 - LangGraph RAG Agent with Ollama & SurrealDB
 - LLM Manufacturing BOM Analyser - in progress troubleshooting



Welcome - Austin LangChain

- Local Austin LangChain User Group
 - Discord - <https://discord.gg/fjQfpwcsZX>
 - Github - https://github.com/colinmcnamara/austin_langchain
 - Meetup - <https://www.meetup.com/austin-lanchain-ai-group/>
 - Twitter - [@AustinLangChain](https://twitter.com/AustinLangChain)
 - Youtube - <https://www.youtube.com/@AustinLangChain>
 - Monthly in person meetings & workshops
 - Monthly virtual meetings
 - Low stress, learning and sharing
 - Connect with other early adopters
 - Learn, Share, Grow
-
- CoC - **Be cool** to each other, no gross behavior



Thanks to our Supporters

Amini & Conant - Meeting Space

KeyChange - Food & Beverage

Always Cool Brands - Sessions Platform

Contributors - code, content, community



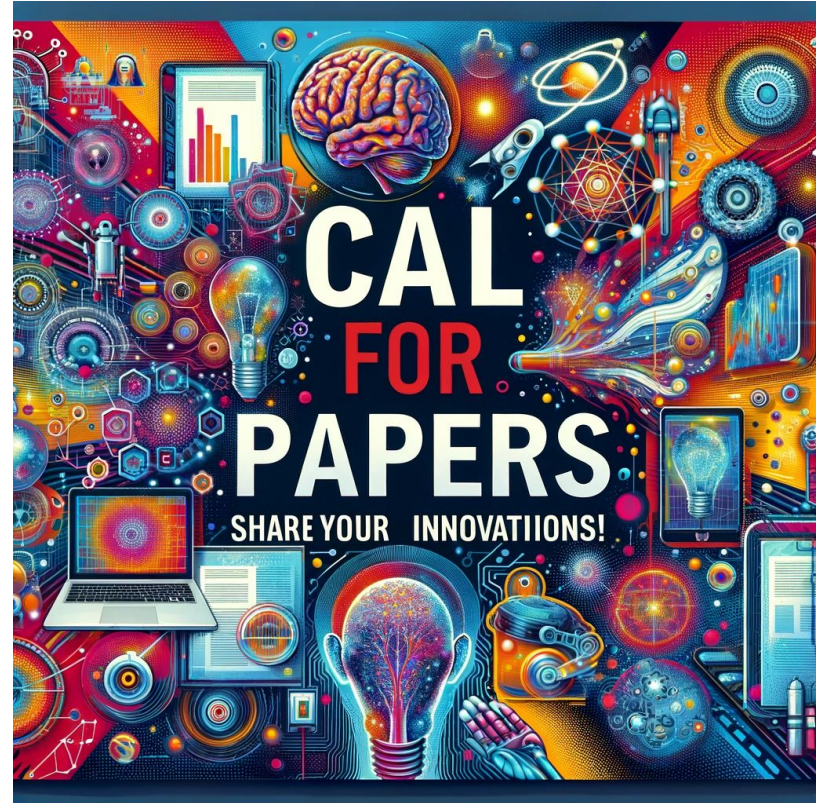
News and Announcements

- Hacky Hour - 6pm Wed Feb 28 @ Central Machine Works
<https://www.meetup.com/austin-langchain-ai-group/events/299335712/>
- Sora text to video preview released <https://openai.com/sora>
- LangSmith general availability <https://blog.langchain.dev/langsmith-ga/>



Call for Papers

- Present your work!
- Learn together!
- Improve on an introduced concept!
- Post your idea on our discord!



Want to review our last meeting?

<https://www.youtube.com/watch?v=ZQnOEPArIcl&t=6047s>



Gdrive your RAG

Austin LangChain Users Group



0:22 / 1:59:40



Explore LangGraph - LangGraph Labs

- Agent Supervisor
- Multi-Agent Collaboration
- LangGraph RAG Agent with Ollama & SurrealDB
- LLM Manufacturing BOM Analyser - in progress troubleshooting

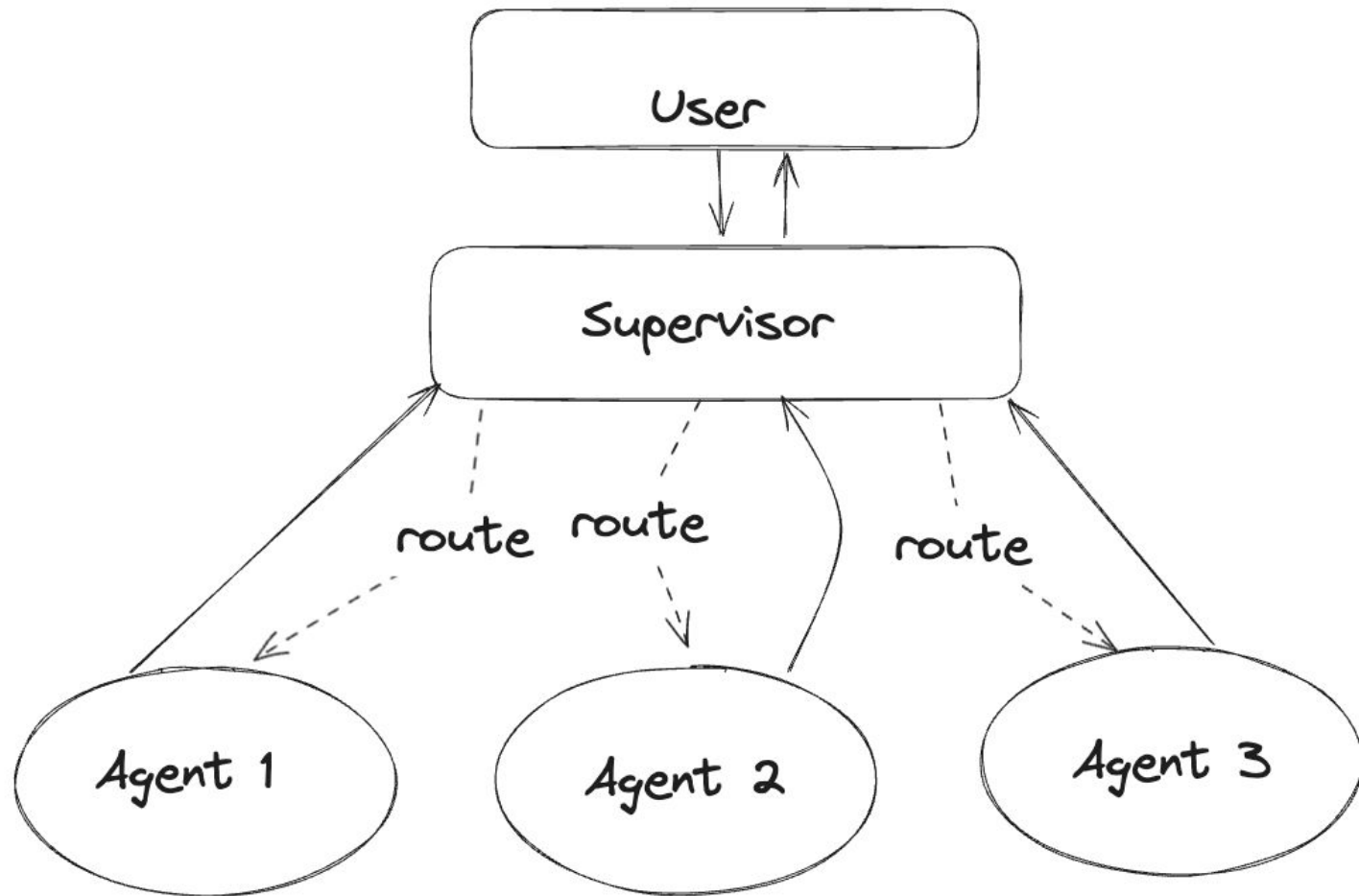


Lab1 - Agent Supervisor

Colin McNamara

- Required: Google Colab
- Repo: https://github.com/colinmcnamara/austin_langchain/
- Notebook:
https://colab.research.google.com/github/colinmcnamara/austin_langchain/blob/main/labs/LangChain_104/LangGraph_Introduction/notebooks/agent_supervisor.ipynb



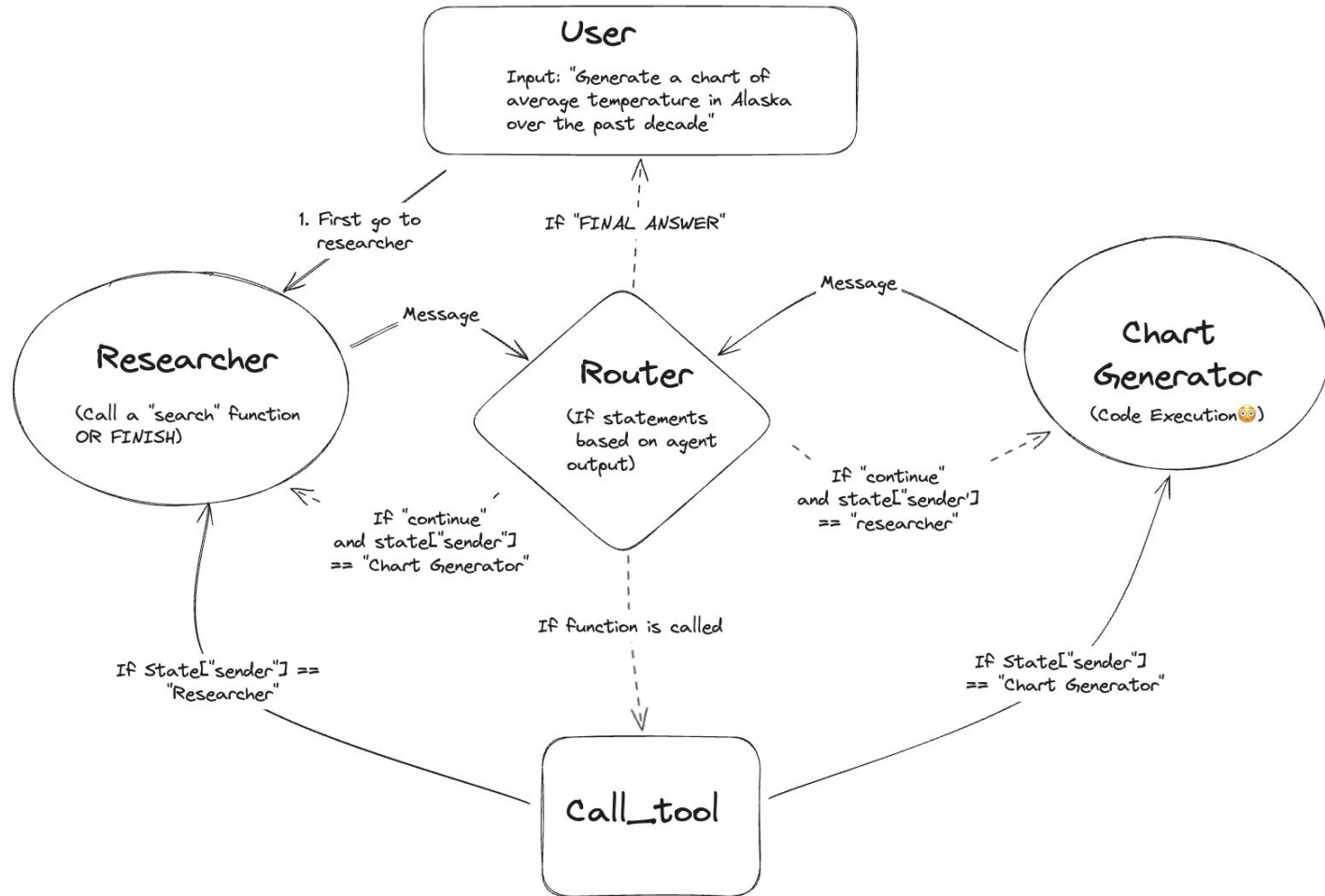


Lab2 - Multi-Agent Collaboration

Colin McNamara

- Required: Google Colab
- Repo: https://github.com/colinmcnamara/austin_langchain/
- Notebook:
https://colab.research.google.com/github/colinmcnamara/austin_langchain/blob/main/labs/LangChain_104/LangGraph_Introduction/notebooks/multi-agent-collaboration.ipynb





Lab - LangGraph RAG agent w/ Ollama And SurrealDB

Karim Lalani

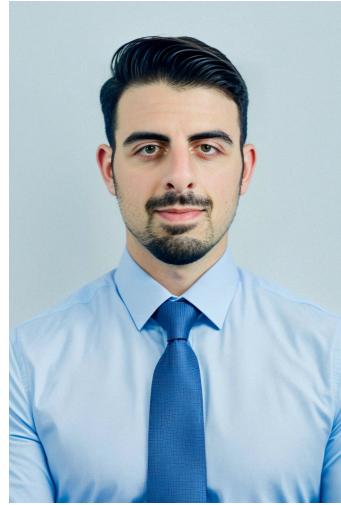
- Required: Google Colab
- Repo: https://github.com/colinmcnamara/austin_langchain/
- Notebook:
https://github.com/colinmcnamara/austin_langchain/blob/main/labs/LangChain_104/104-langgraph-rag-agent.ipynb



LAB - Manufacturing BOM Analysis - in progress

Ricky Pirruccio

- Required: Docker on your computer
- Repo: https://github.com/colinmcnamara/austin_langchain/
- Folder: https://github.com/colinmcnamara/austin_langchain/tree/main/labs/LangChain_104/LangGraph_LLM_Manufacturing_BOM_Analyser



Thank you - Please Join

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