Introduction to Agentic Al

Lesson 3: Best Practices

by Hand



Prof. Tom Yeh

Hosted by





Interactive



I am from _____.

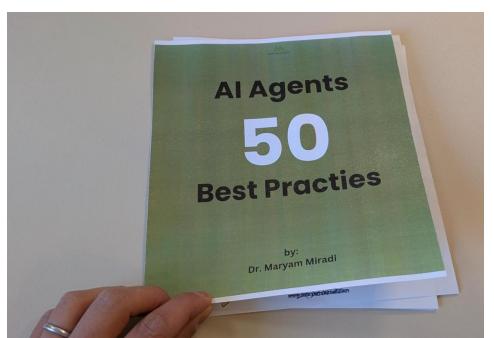
Textbook



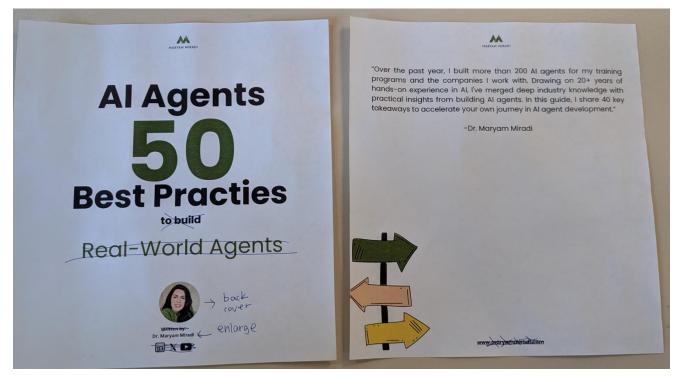
Alagents **Best Practices**

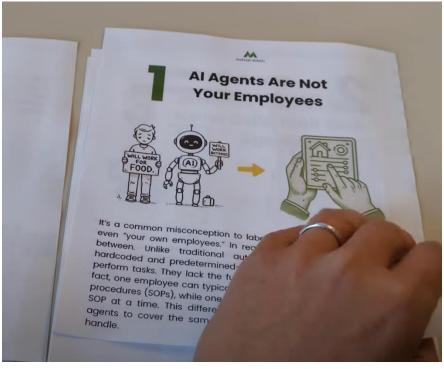
Dr. Maryam Miradi







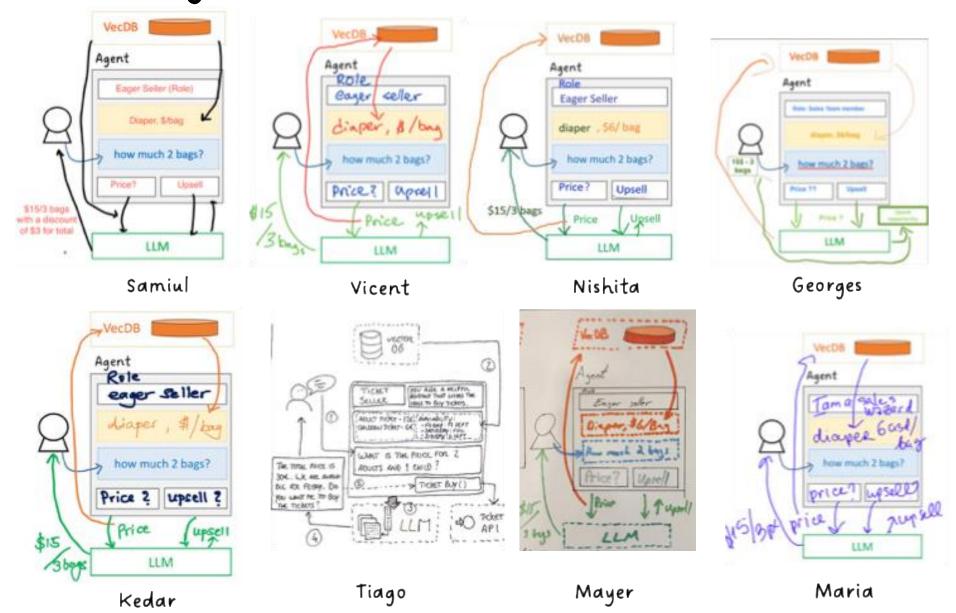




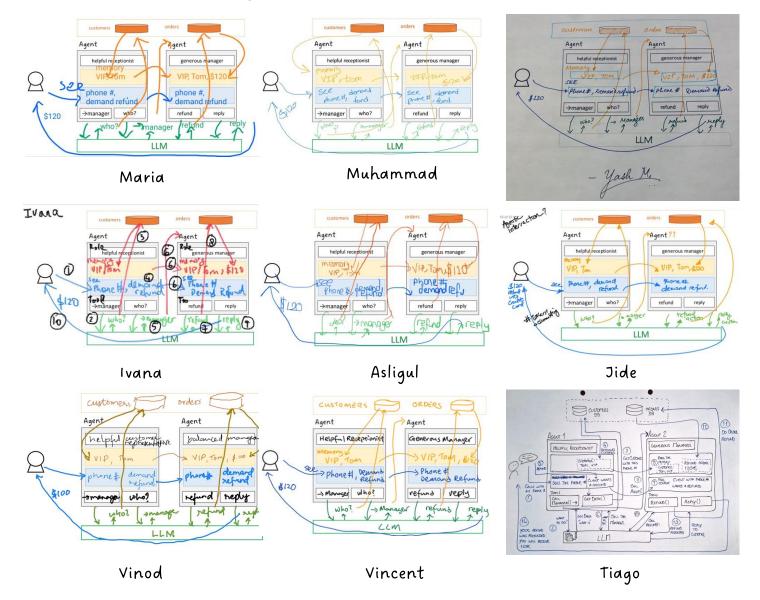
Review Assignments



Lesson 1: Agent



Lesson 2: Multi-Agents



How to Study Al Agents

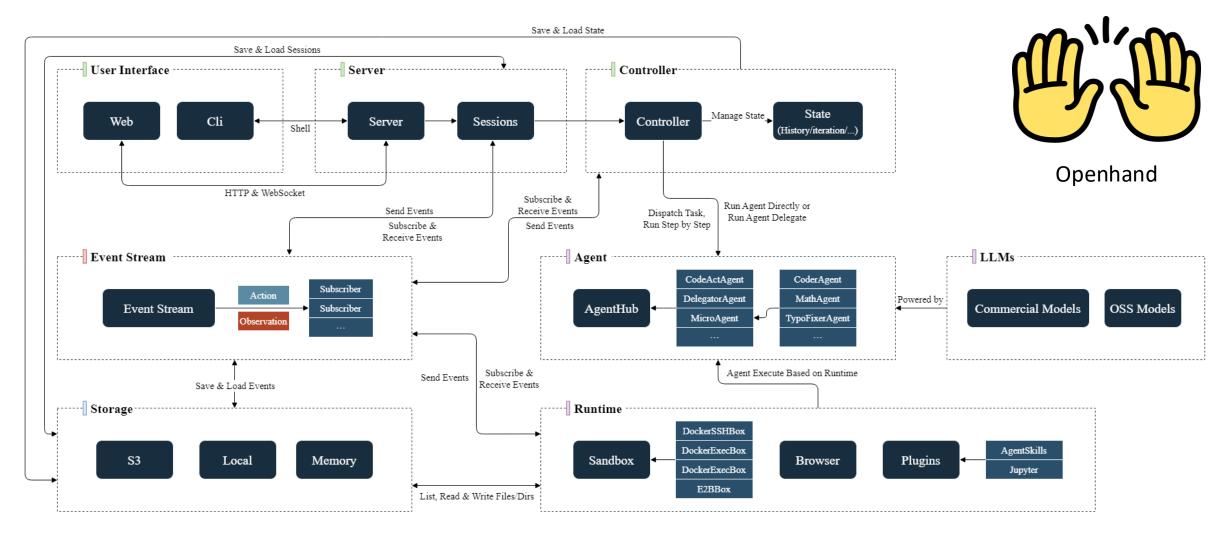


Agent thinks, sees, remembers, can

```
writer = Agent(
  role='Writer',
  goal='Narrate compelling tech stories about {topic}',
  memory=True,
  backstory=(
    "You craft engaging narratives to educate"
  tools=[search_tool],
  allow delegation=True
```

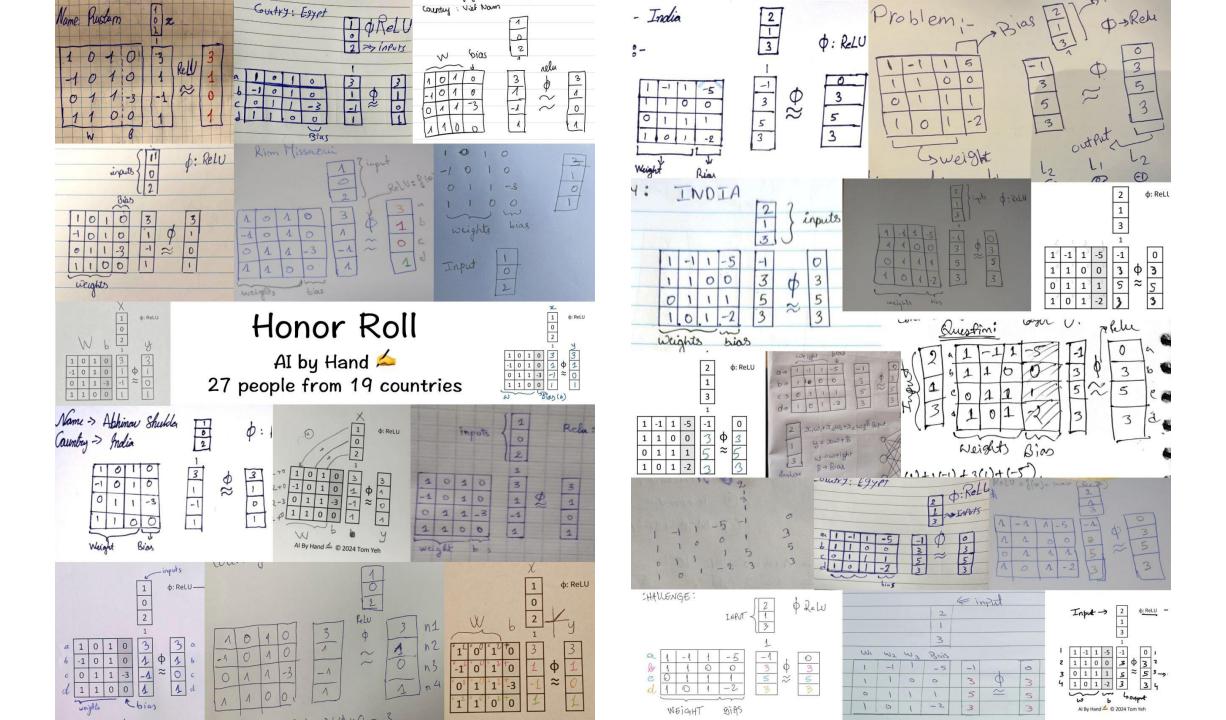
Multi-Agents Process Communication Memory

LLM



What is Al by Hand 2?





Neural Network

Al by Hand 🚣

Tom

Sudhin

Bhishan

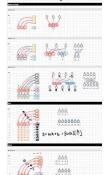




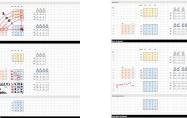


Boulder USA

507

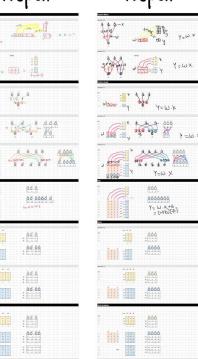






Pokhar Nepal

Kathmandu Nepal







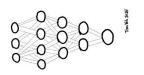
Watch my lecture videos at byhand.ai/youtube



Color AI by Hand 🚣 Togeth

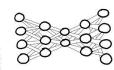
see my post to participate in th group art project

Neural Net



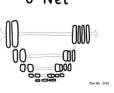


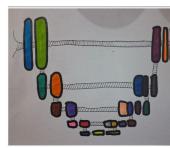
Auto-Encoder



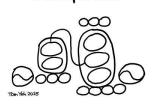


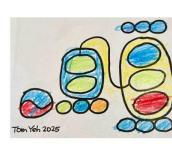
U-Net

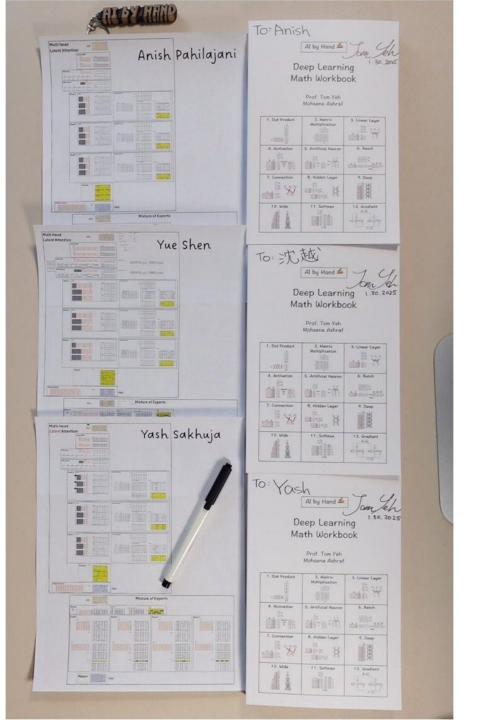


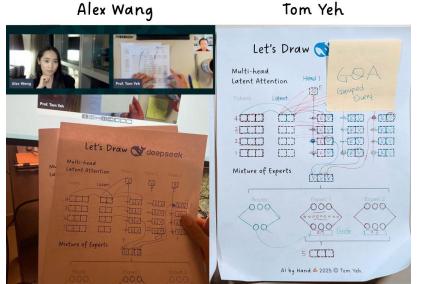


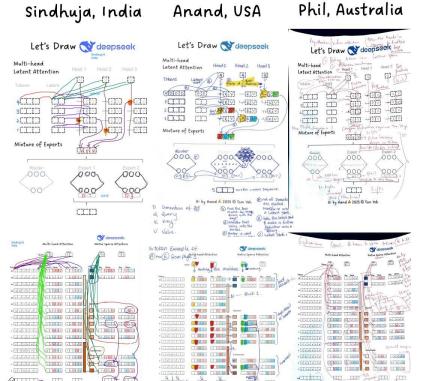
Transformer







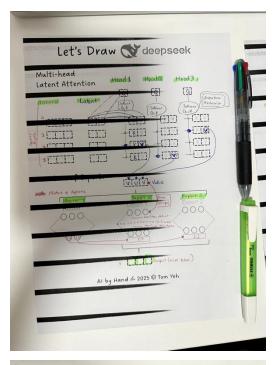


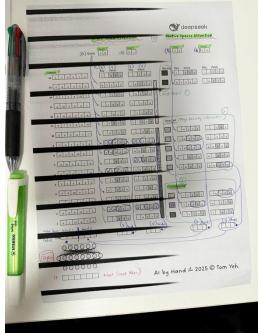


At by Hand 4 2025 @ Tom Yeh

At by Hand 4 2025 @ Tom Yek

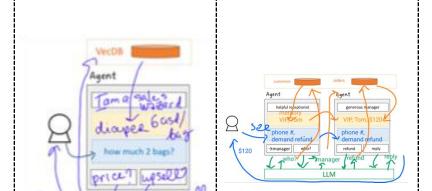
At by Hand & 2025 @ Tom Yeh





Certificate









Certificate of Achievement

1 certify that

Maria Petrenko

Completed
Introduction to Agentive AI
by hand

Prof. Tom Yeh

Lesson 3

Lesson 4

Prizes



AI by Hand Deep Learning Math Workbook

Yue Shen · 1st

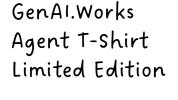
Teaching my kitten Pascal about Deep Learning with ReLU activations from a signed copy of Professor Tom Yeh's Al by Hand Deep ...more



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Langflow Notebook

Al Agents
50 Best Practices









Best Practices



1. Al Agents _____ Your Employees

Are Are Not

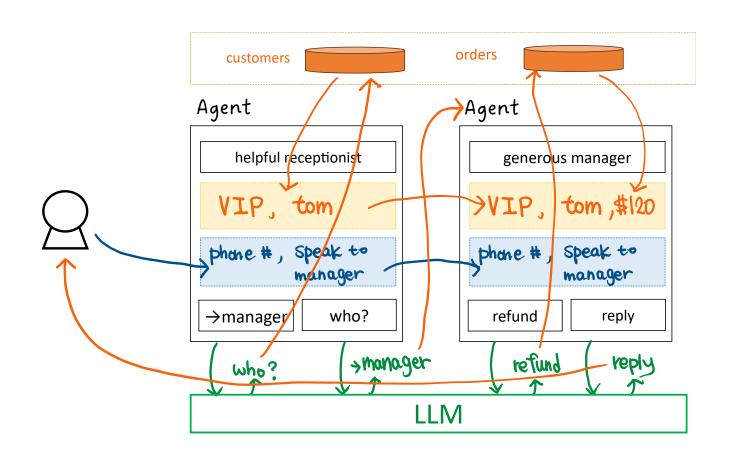
20. Agents Need to be Adaptable Based on Feedback

Agent thinks, sees, remembers, can

```
writer = Agent(
  role='Writer',
  goal='Narrate compelling tech stories about {topic}',
  memory=True,
  backstory=(
    "You craft engaging narratives to educate"
),
  tools=[search_tool],
  allow_delegation=True
)
```

3. Business Owners _____ Build Their Own Agents
Will Will Never

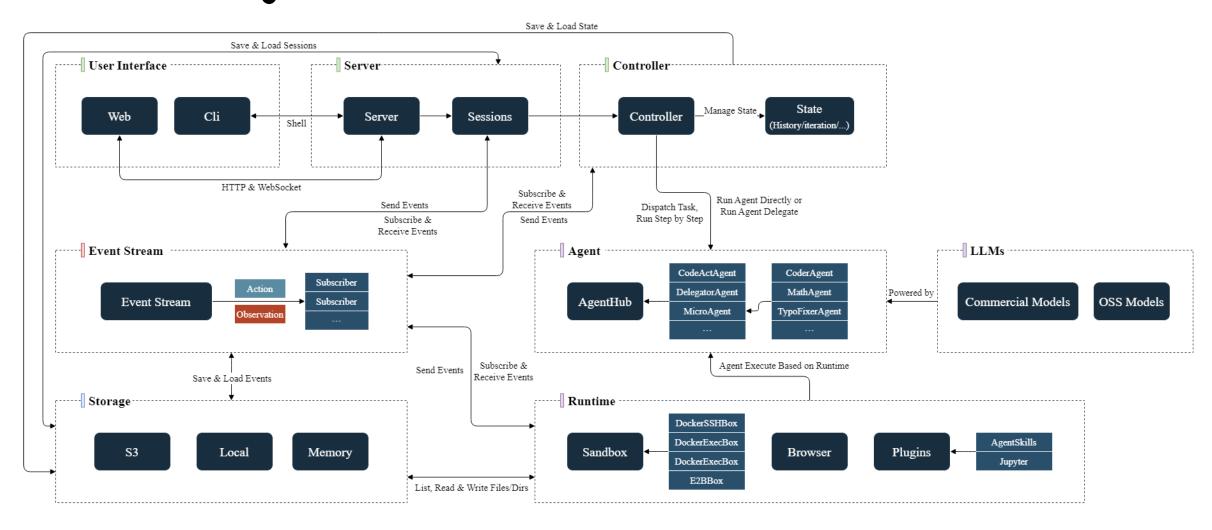
8. Integrations Are Just as Important as Functionality



12. Model Costs ____ Matter

Do Don't

24. Include Humans in the Loop for Mission-Critical Agents



25. ____ Al Agents Define the Future

Vertical General

Q/A



Assignment

