

Intro

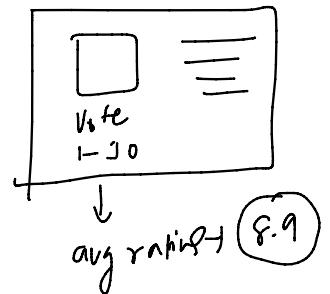
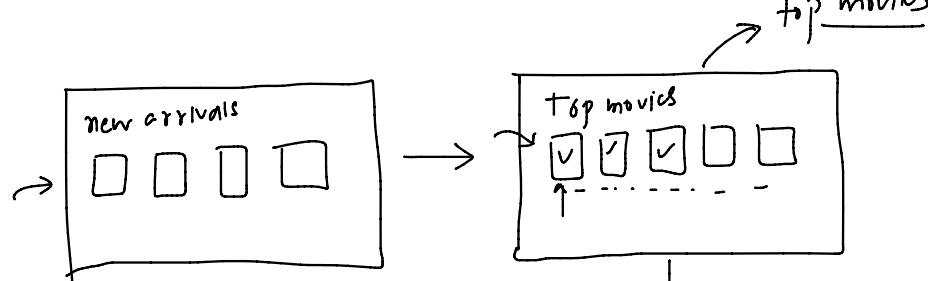
30 December 2023 15:25

Software System

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Website → movie streaming

↳ Retromovien → 10000 rigths

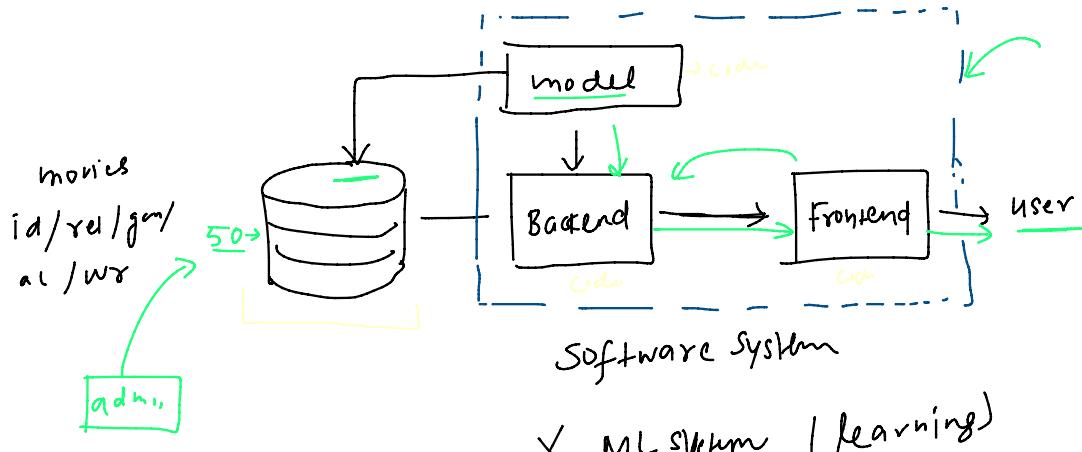


imdb

$$WR = \left(\frac{v}{v+m} \right) P + \left(\frac{m}{v+m} \right) C$$

avg rating
votes
threshold
voters → 25000
db
avg rating of all movies → 6.5

Sort des



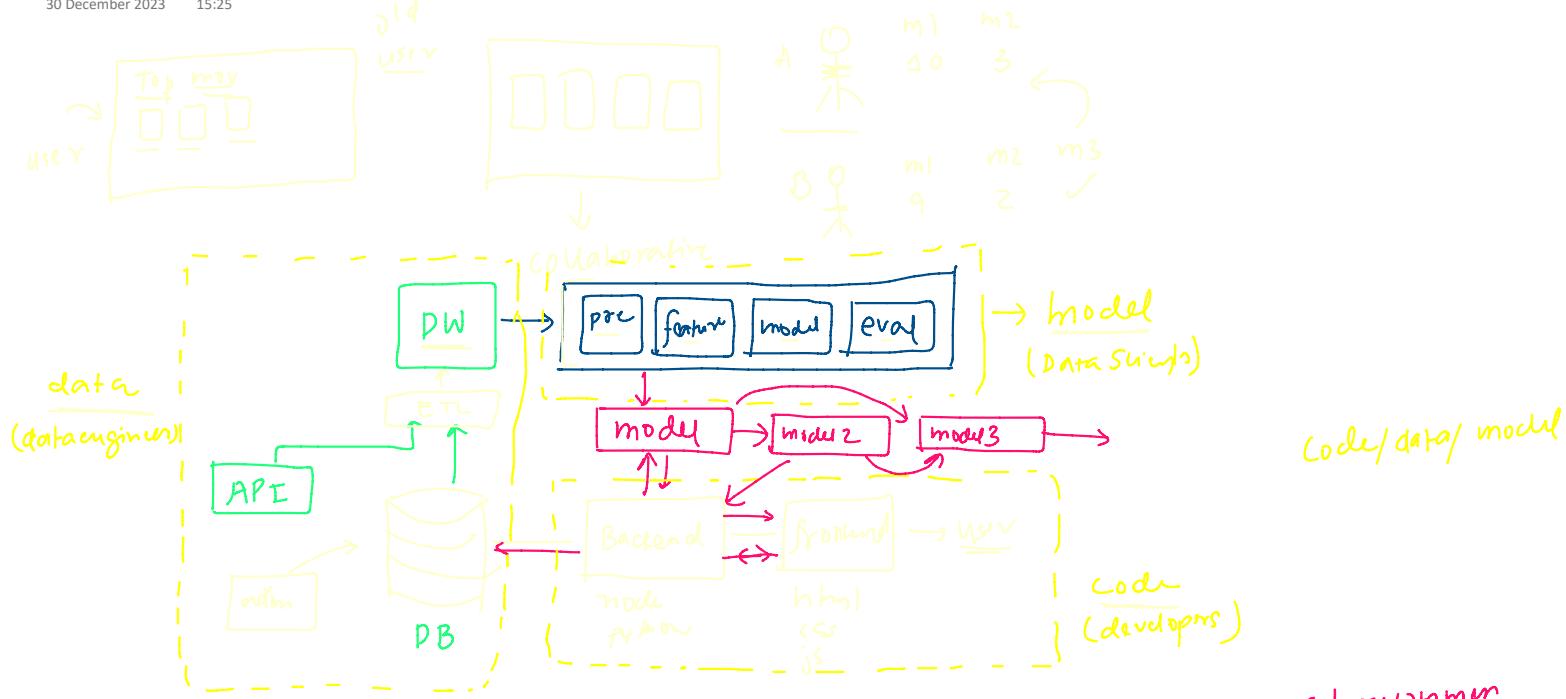
- 1. Complexity ✓
- 2. Error Debugging
- 3. Handling new data →
- 4. Deterministic ✓
- 5. Zero Drift

30m dec
inp → [] → out

X ML system (learning)

ML System

30 December 2023 15:25



1. Complexity
2. Error Debugging ✓
3. Handling new data ✓
4. Probabilistic -> Governance Issues
5. Drift

inp → → out

True or False?

10 January 2024

23:28

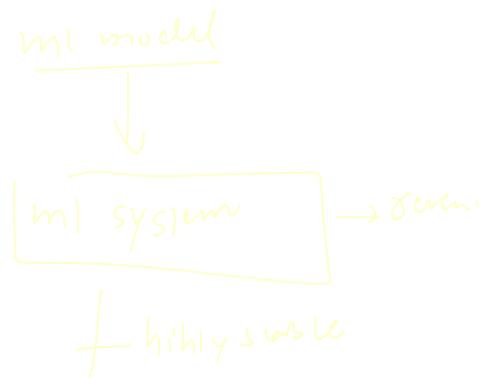
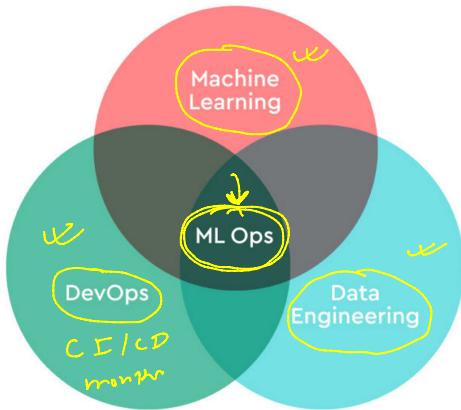
MLOps is the practice of deploying machine learning models into production, so that any one can use the ml model.

True ✓ False ✓

MLOps Definition

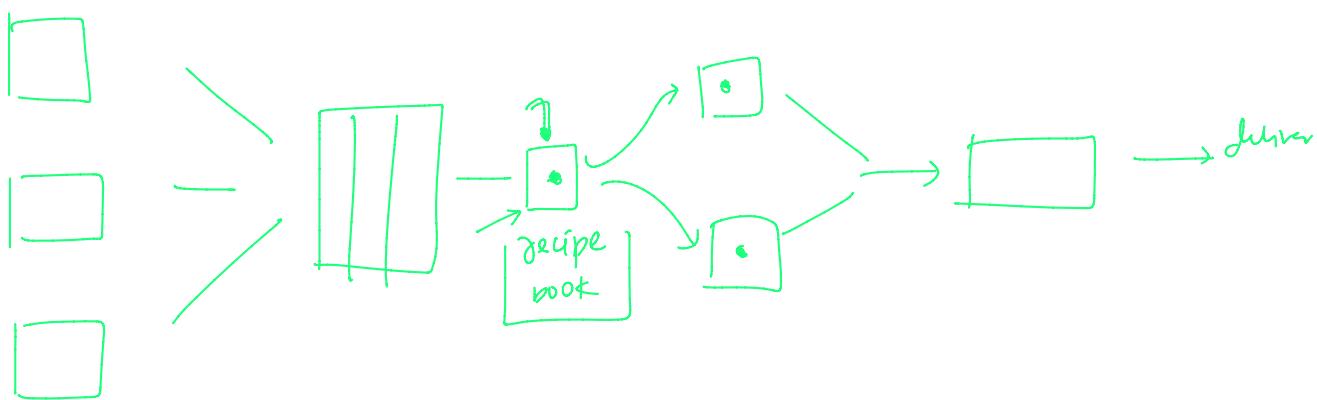
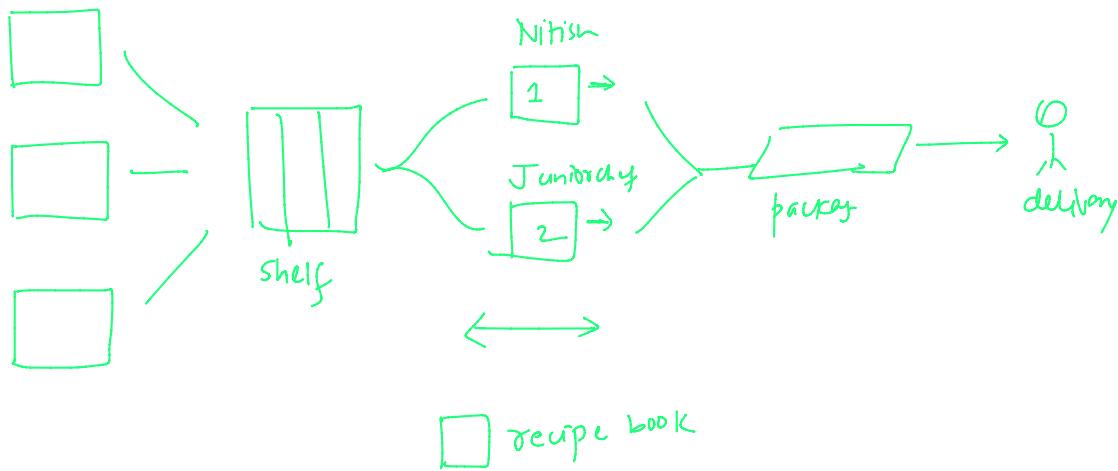
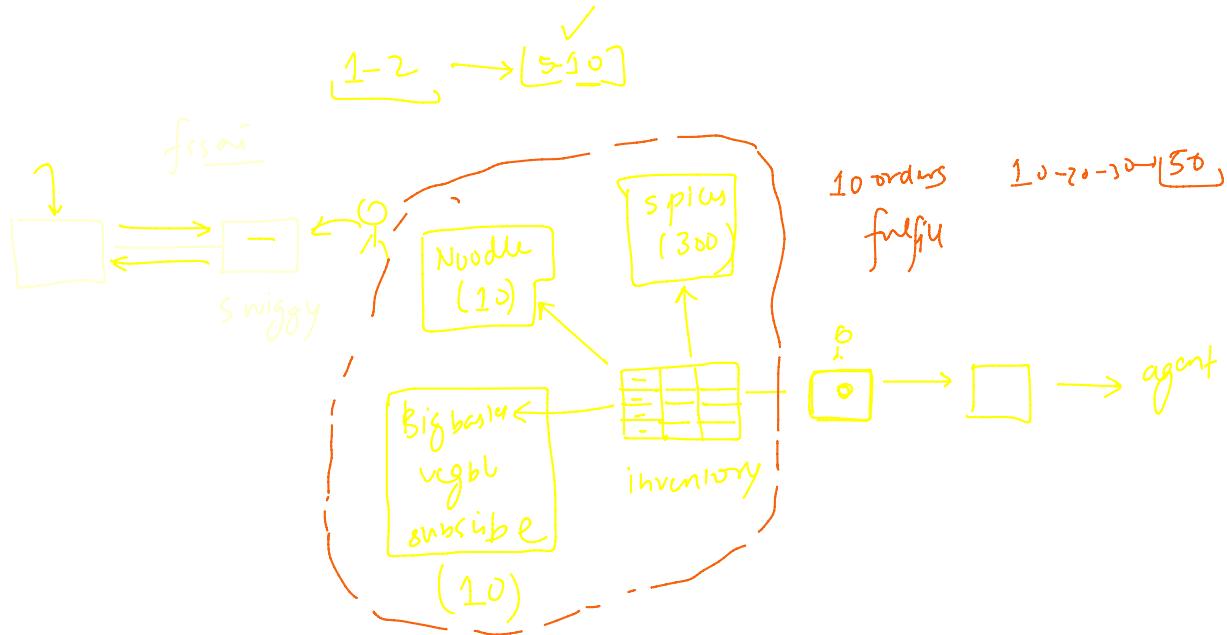
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MLOps refers to the practice and discipline within machine learning that aims to unify and streamline the machine learning system development (Dev) and machine learning system operation (Ops). It involves collaboration between data scientists, ML engineers, and IT professionals to automate and optimize the end-to-end lifecycle of machine learning applications.

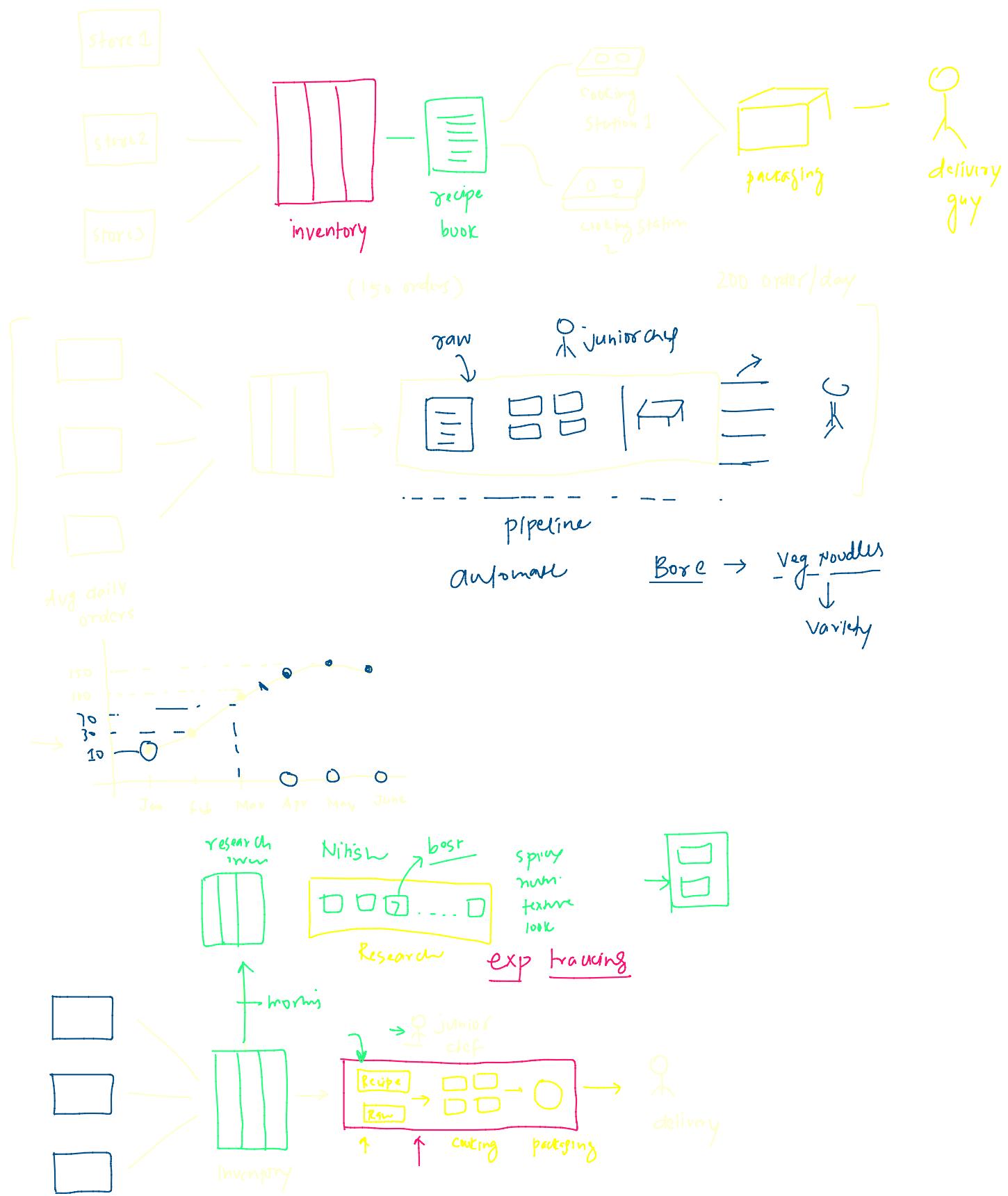


The Analogy

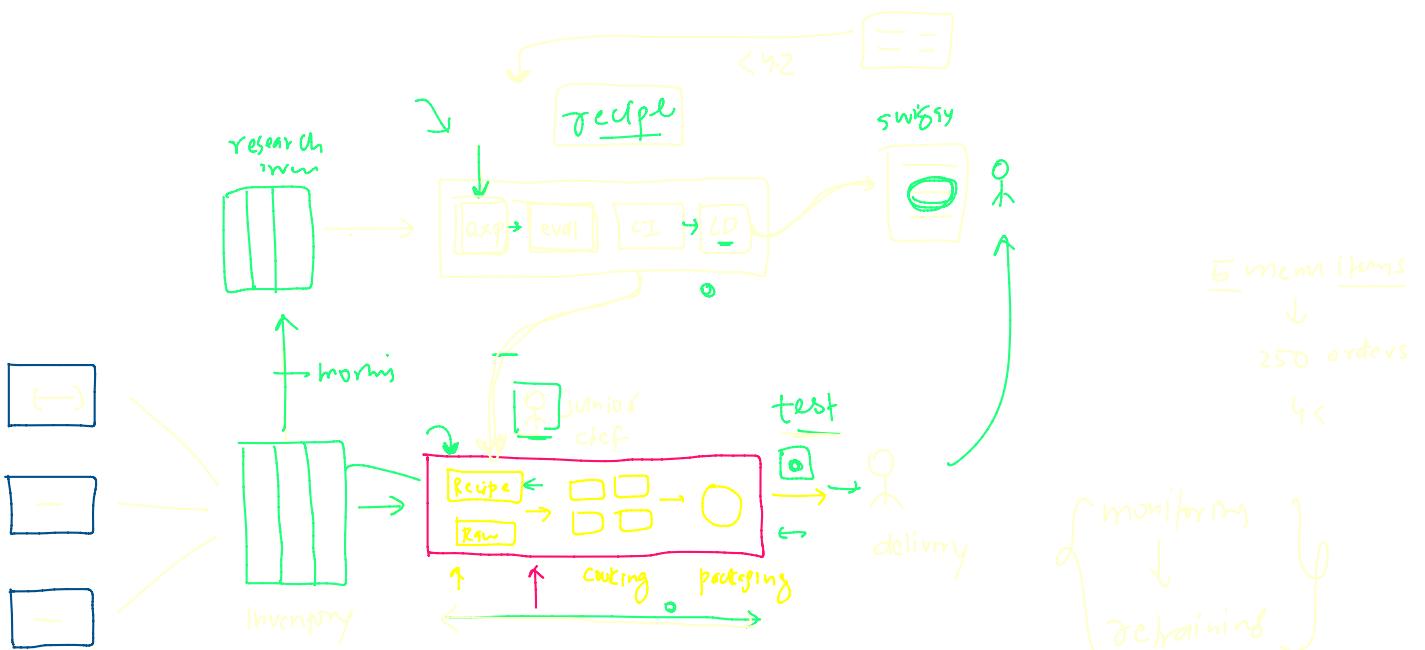
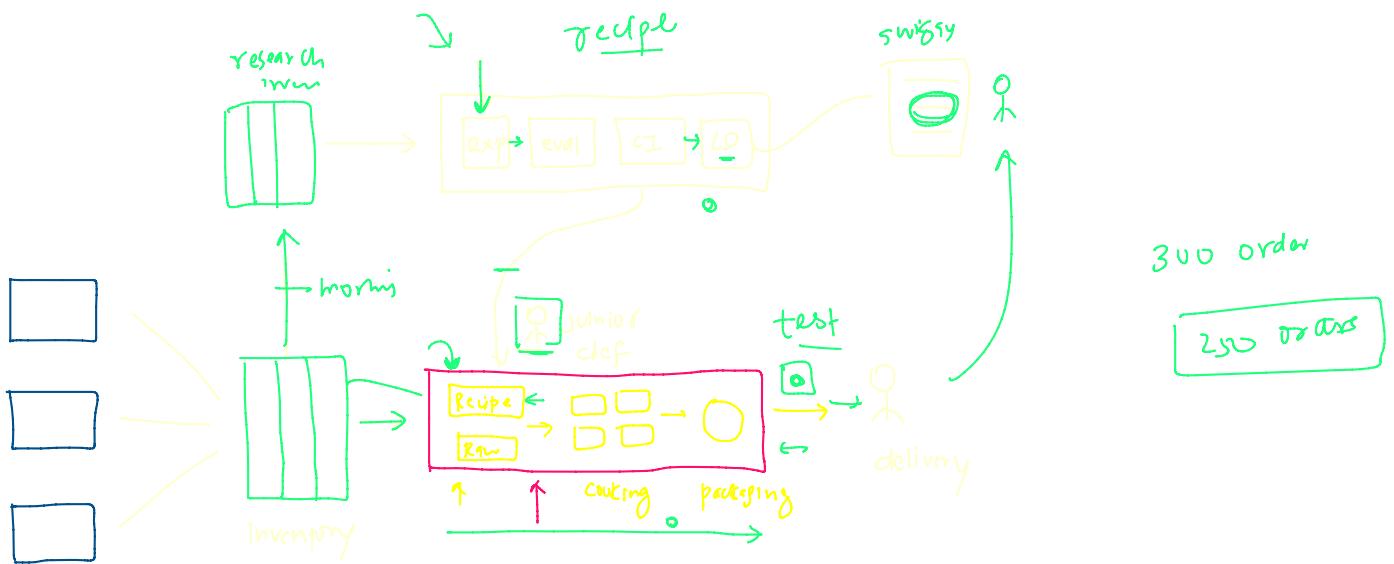
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60 order daily → $60 - 70 - 80 \rightarrow 100$

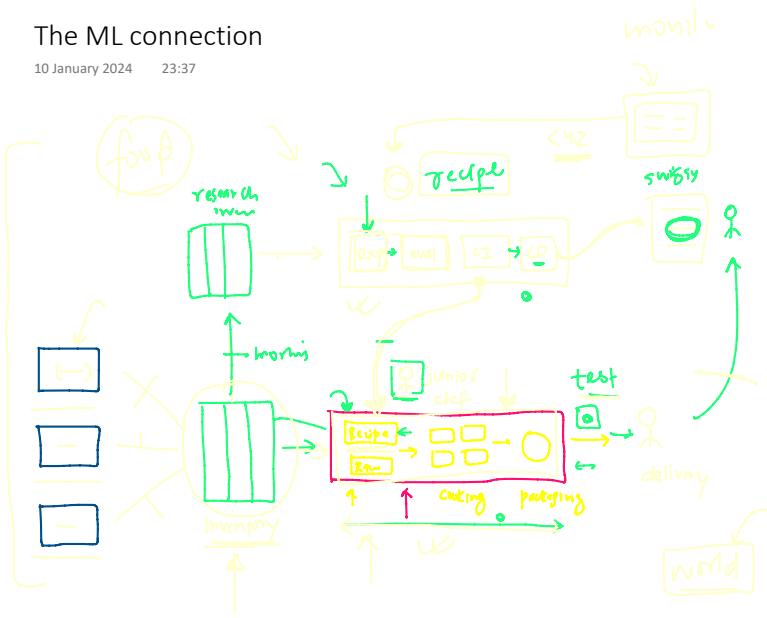


research inven
→ recipe
swissy

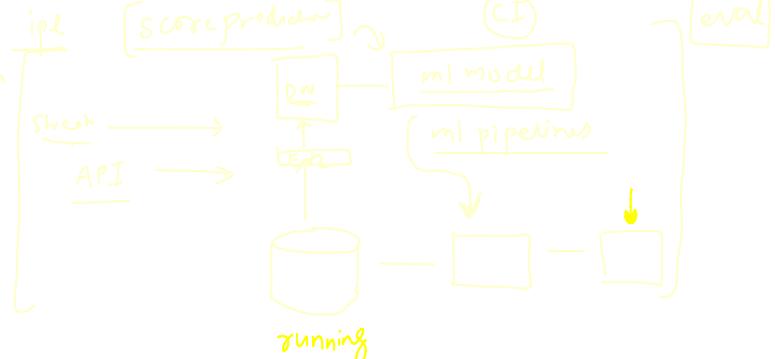


The ML connection

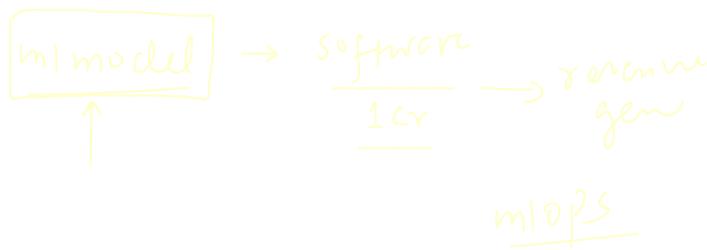
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S No	Component
1	Data Management ✓
2	Version Control ✓
3	Automation (Pipeline) ✓
4	Experiment Tracking ✓
5	CI/CD ✓
6	Monitoring/Retraining ✓
7	Provisioning ✓
8	Governance ✓



noodle → noodle shop X



Summary

10 January 2024 23:37