10.5 In-class Activity: NoSQL Databases

Diana McSpadden (hdm5s)
Xin Huang (xh2jg)

Other Group:
Benjamin Feciura / bmf3bw
Gary Mitchell / gm3gq
Rehan Merchant / rm2bt

First Scenario

- You want to sell homemade baby yoda soap
  - ETSY
  - Amazon
  - Facebook Marketplace
- How will you release inventory to each of these platforms to maximize profit, but **not over-promise?**
- You WILL BE **DISTRIBUTED!**
- MY QUESTION: Does your approach change with a NoSql model?
  - **Document model with MongoDB?** Etsy collection, Amazon collecti

Their Answer: Key/Value
Correct Answer: Key Value or Document
Feedback: Yes, we want to store attributes about our baby yoda soap, and document how many soaps we made, and how many were sold on the platforms we sell to. We can add a new key/value for each place we sell/release inventory to.

Second Scenario
 The baby yoda soap example, but with additional soaps (Chewbacca Soap)
Their Answer: Document
Correct Answer: Document
Feedback: Yes, this works well. Here is how it would play out:

Document Model

Document 1:
Soap Type: Green Sage Smelling Baby Yoga Soap
Size: Small

Batch: A1
Cost: $12.00
Current Inventory:12
Sold ETSY Inventory: 3

Document 2:
Soap Type: Chocolate Chewbacca Soap
Size: Large
Cost: $16.00
Current Inventory: 12
Sold To Amazon Inventory: 2
Sold To Facebook Inventory: 3
*Remaining Inventory (calculated): 12 - 2 - 3

Document 1:
Soap Type: Green Sage Smelling Baby Yoga Soap
Size: Small
Batch: A2
Cost: $12.00
Current Inventory:24

We also talked about how this could work in a Column Based DB and weren't able to describe how the document model would pivot, but it was an interesting conversation.