Cocktail Recommendation Using NLP

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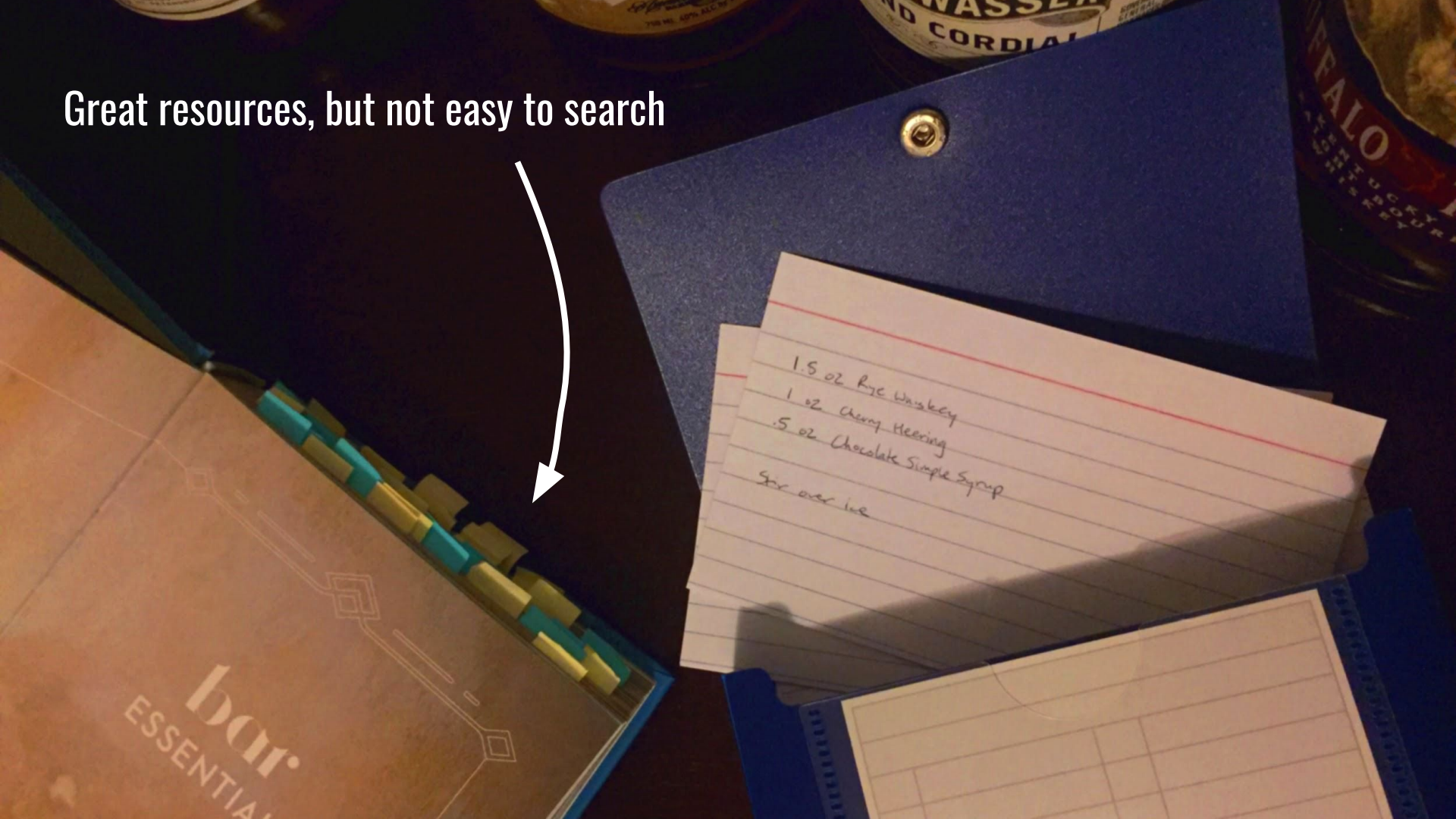
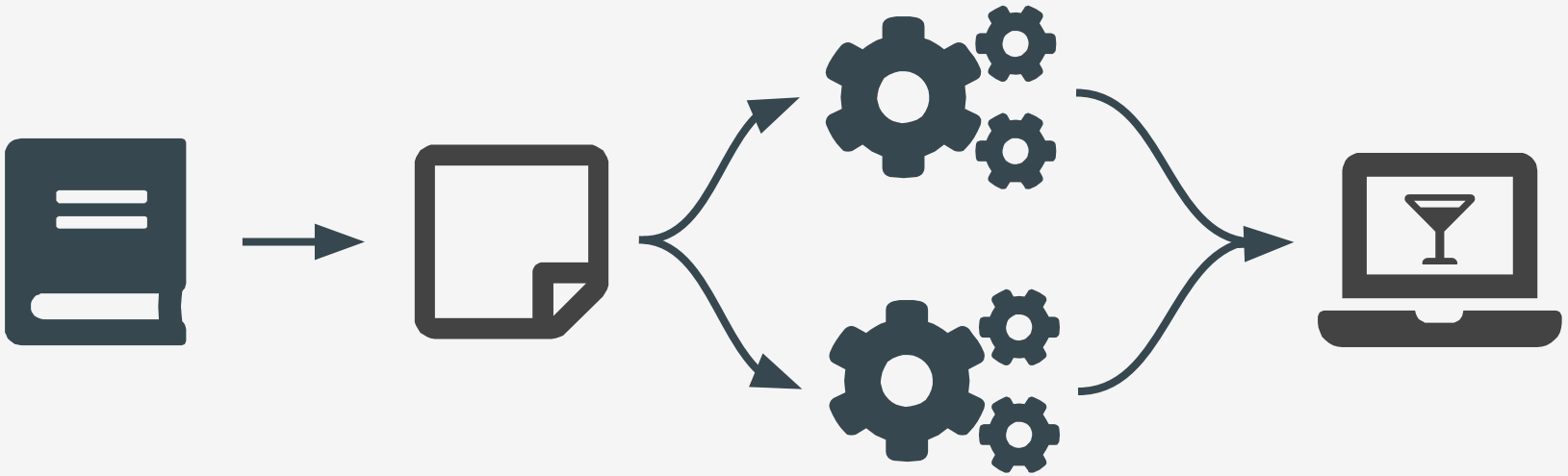

Great resources, but not easy to search
1.5 oz Rye Whiskey
1 oz Cherry Heering
.5 oz Chocolate Simple Syrup
Stir over ice

Not every bartender can be like this guy

Building the Recommendation Engine



Scrape Recipes From ‘The Spruce Eats’

Pre-Process with SpaCy and TF-IDF

Train Two NMF Models

Recommend via Flask App

Margarita

Safe Model

Blue Lagoon Margarita

Margarita

Weird Model

Tom Collins

Margarita

“backed by your favorite tequila”

“the easy tequila cocktail”

Blue Lagoon Margarita

Margarita

“you'll love the refreshing lime flavor”

“It's a tall, refreshing gin sour”

Tom Collins

Next Steps

- Add more and better recipes
- Improve search functionality
- Develop more app features and improve user experience

Thanks for Listening!

Appendix