KANTO

Food for the Soul.

Hrishi Mukherjee • Yonathan Kidanemariam

INTRODUCTION

The Problem

What?

Difficult to find a song based on just a few lyrics

Why?

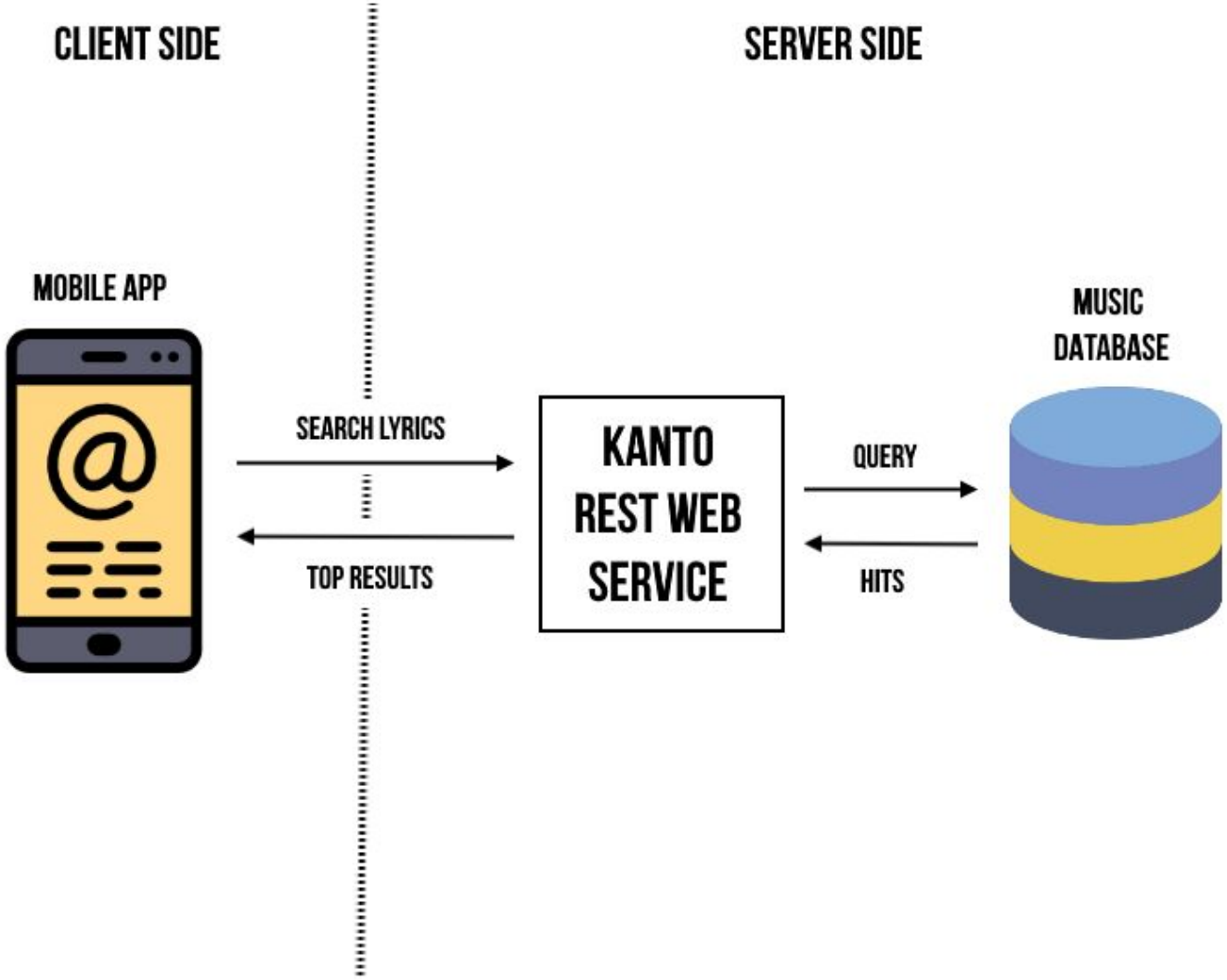
- Very common issue
- Manageable to solve
- Concepts from this course can be applied to the solution
- Music is food for the soul!

CONTENT

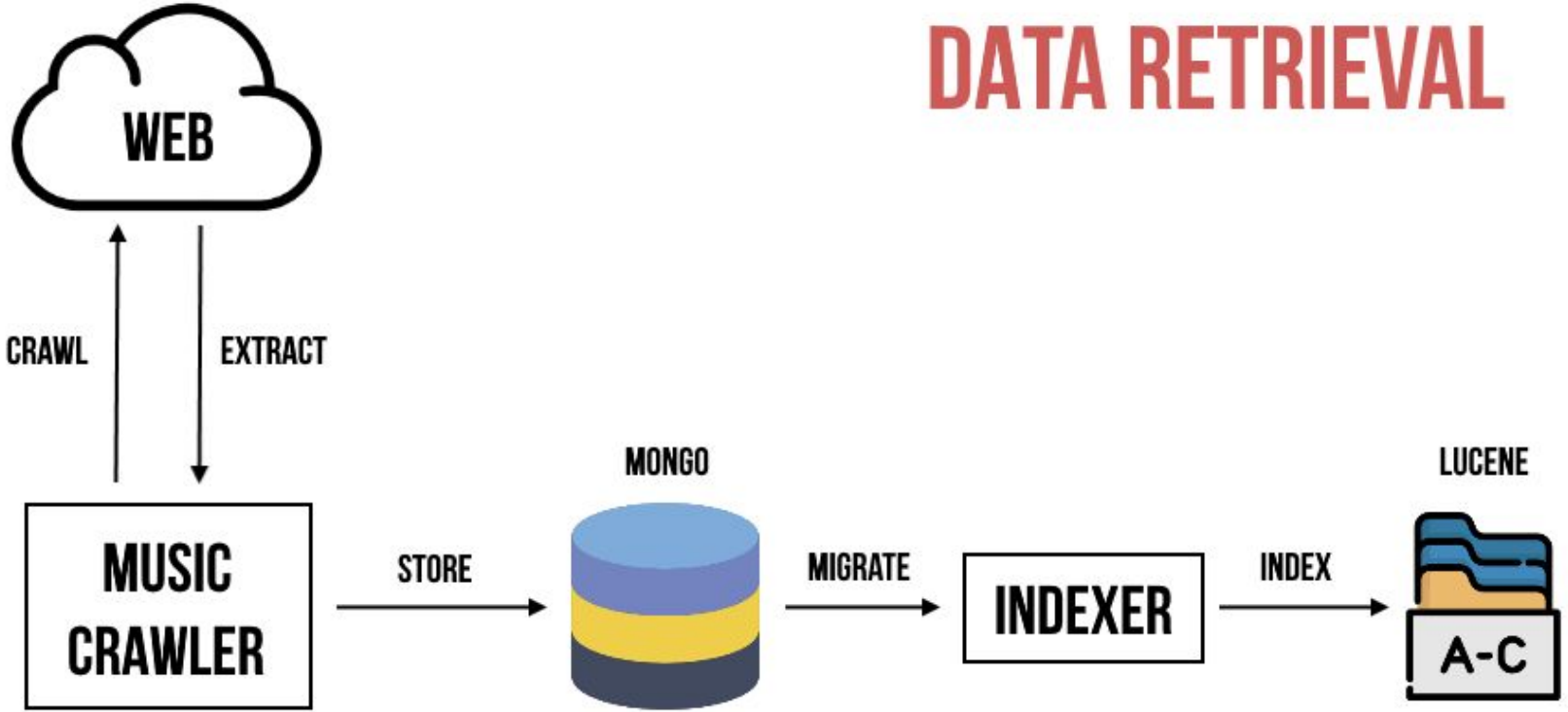
Our Solution

What did we do?

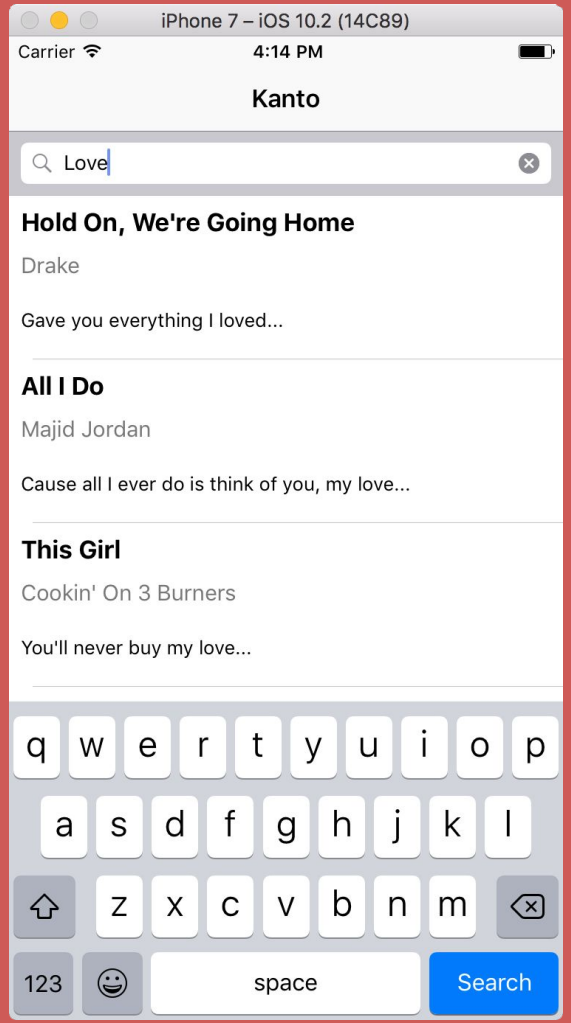
- Music Search Engine
- Enables user to query using lyrics
- Displays songs with best matches

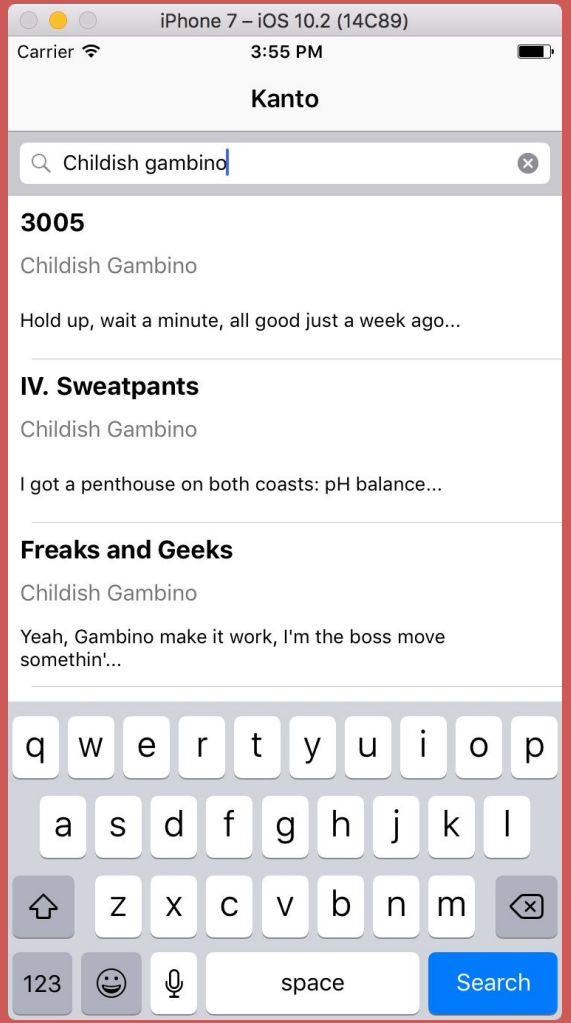

CLIENT SIDE
SERVER SIDE
MOBILE APP
SEARCH LYRICS
TOP RESULTS
KANTO REST WEB SERVICE
QUERY
HITS
MUSIC DATABASE

DATA RETRIEVAL



WHAT TO EXPECT


iPhone 7 – iOS 10.2 (14C89)
Carrier
4:14 PM
Kanto
Love
Hold On, We're Going Home
Drake
Gave you everything I loved...
All I Do
Majid Jordan
Cause all I ever do is think of you, my love...
This Girl
Cookin' On 3 Burners
You'll never buy my love...
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
123
space
Search


iPhone 7 – iOS 10.2 (14C89)
Carrier
3:55 PM
Kanto
Childish gambino
3005
Childish Gambino
Hold up, wait a minute, all good just a week ago...
IV. Sweatpants
Childish Gambino
I got a penthouse on both coasts: pH balance...
Freaks and Geeks
Childish Gambino
Yeah, Gambino make it work, I'm the boss move somethin'...
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
123
space
Search

Analysis

Did it work?

- YES, it worked!
- User is presented with very accurate results relative to lyrics
- Querying with the chorus tends to give better search results

Challenges Faced

- Data retrieval
- Amount of data directly affects quality of search results

CONCLUSION

Key Findings

Creating a database with ‘enough’ relevant information is a challenging and expensive task.

Musicians like using the word ‘love’ a lot in their songs!