

SPOTIFY

THE

# SPOTIFY SEARCH ENGINE

FINAL

PRESENTATION

TOP CHART

DEC 29 2023 - JAN 4 2024

120 RANKING



03



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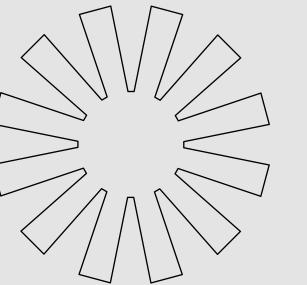
# DEMONSTRATION



## TECHNICAL DIFFICULTIES

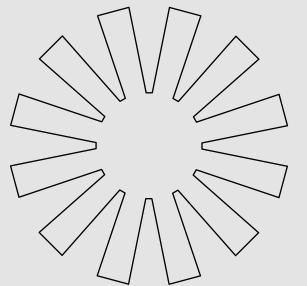
1. **Elasticsearch Installation:** Only one member could install and run Elasticsearch, leading to reliance on screen-sharing for backend and frontend integration.

2. **Second use of Elasticsearch:** The second use of Elasticsearch has the problem because of finding path of Kibana.



## TECHNICAL DIFFICULTIES

3. **GitHub Collaboration:** Managing branches and avoiding conflicts required extra coordination.



4. **Multilingual Data:** Handling Thai, English, and Korean data in Elasticsearch was challenging due to language-specific indexing and search requirements.





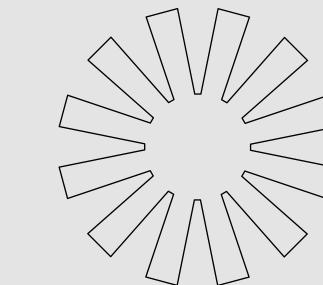
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## CHALLENGES

- 1. New Tools:** Learning Elasticsearch and Python while managing a complex project.
- 2. Collaboration:** Limited Elasticsearch access slowed teamwork.
- 3. Data Preparation:** Manual collection and multilingual formatting of Spotify rankings.
- 4. Enhanced Search Engine:** Improve the query for make the search engine more accuracy.





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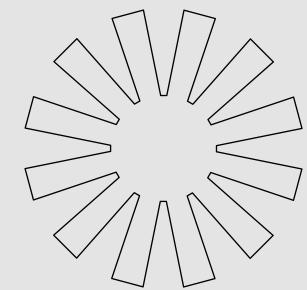


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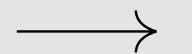
## LESSONS LEARNED

- 1. Tool Proficiency:** Gained skills in Elasticsearch, Python, and handling multilingual search.
- 2. Version Control:** Improved GitHub practices for smoother collaboration.
- 3. Search Engine Design:** Learned end-to-end processes, from data preparation to query optimization.





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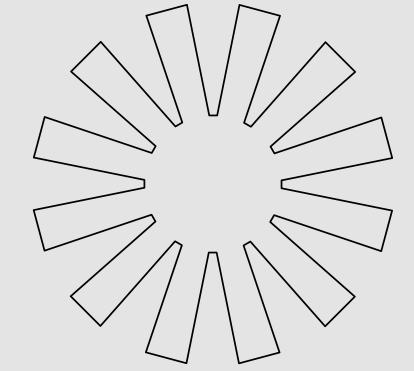
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## TEAM MEMBER

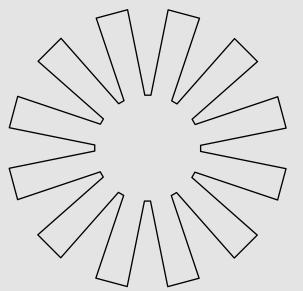
658051 Benjaphol Kositanon

6588061 Vichayuth Ngamsittipong

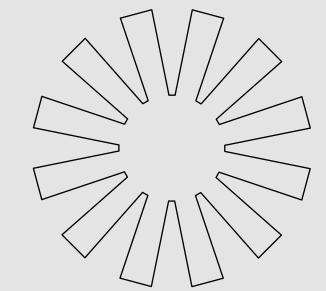
6588179 Punnathon Laohachote



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# THANK YOU



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