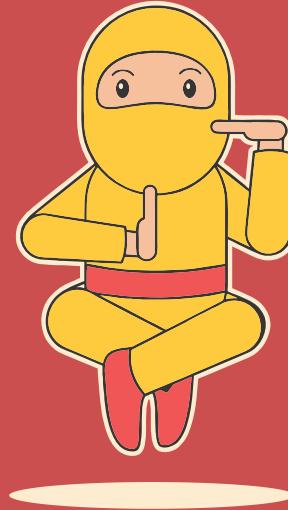


# 忍者

ITCS 414 – Information Retrieval and Storage



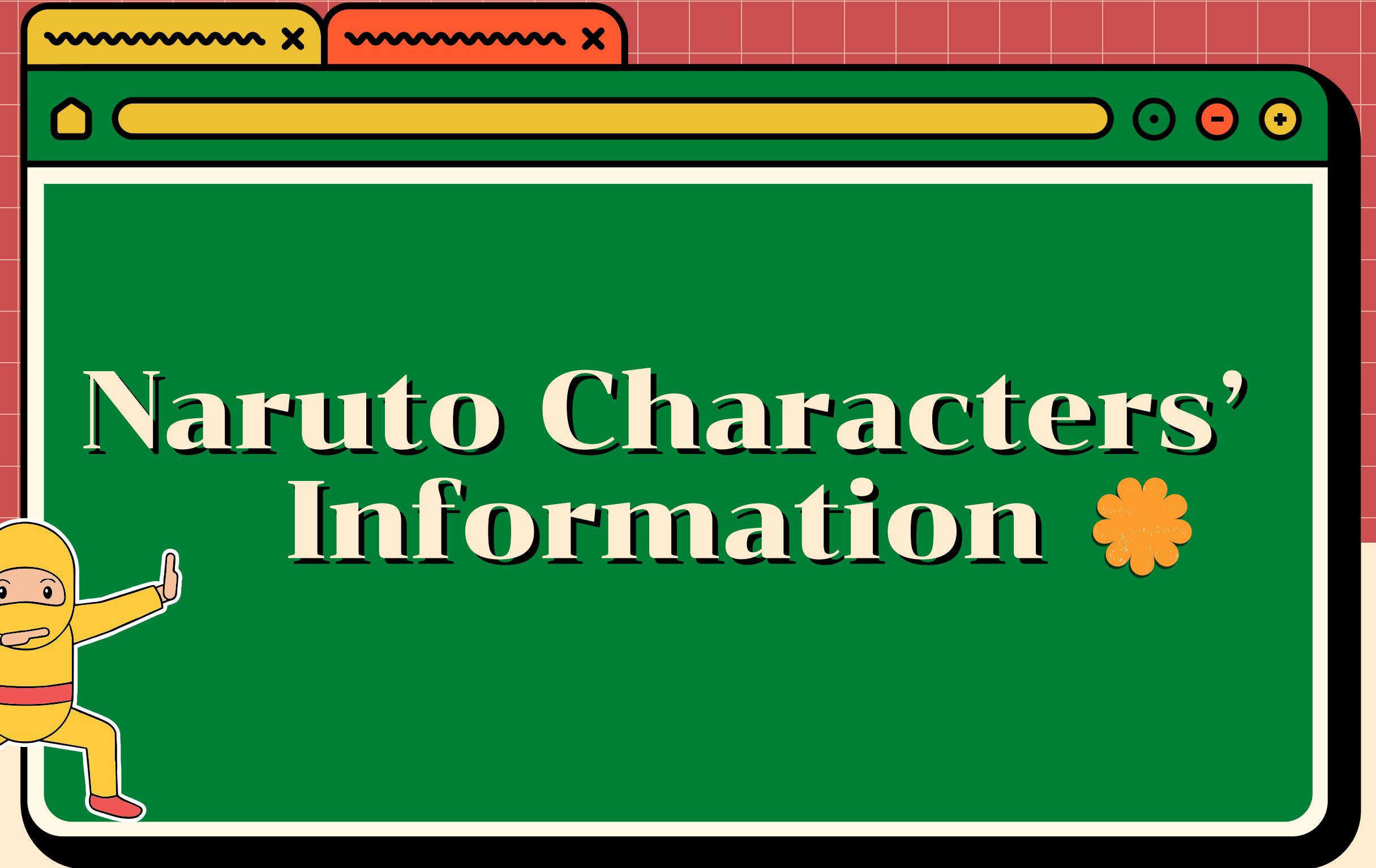
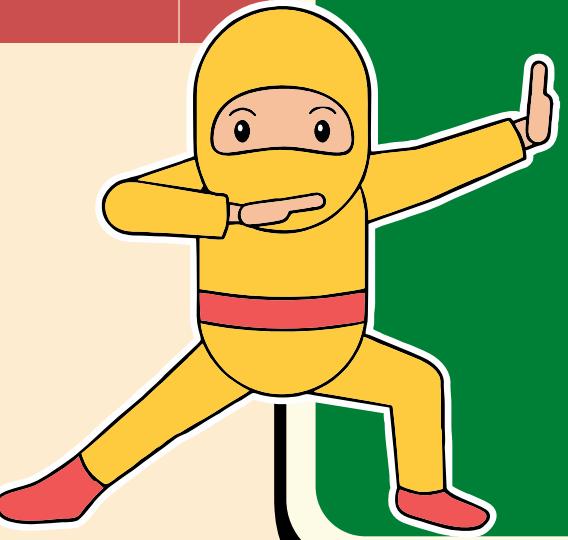
# *our members*



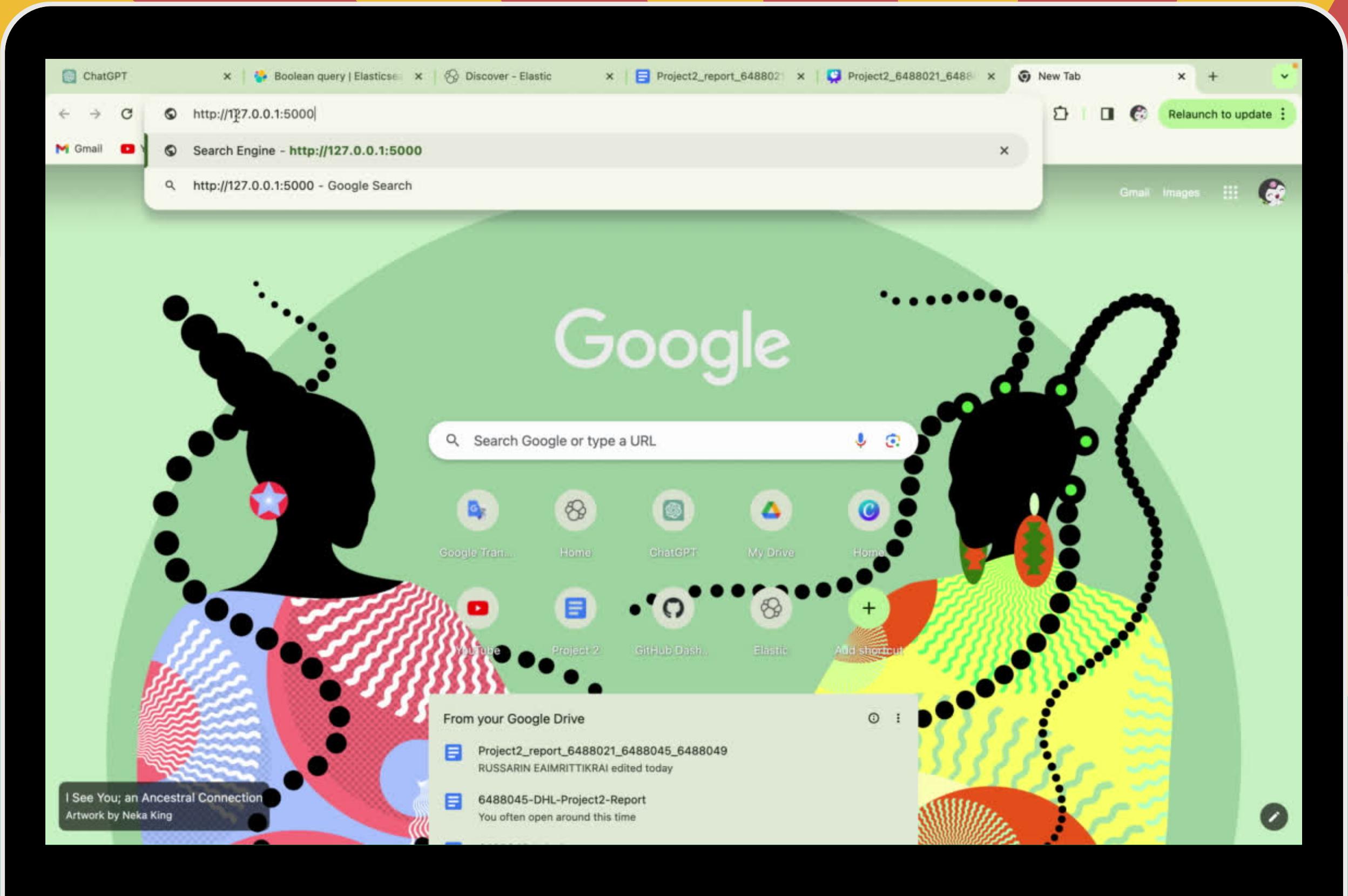
<b>Miss Russarin Eaimrittikrai</b>	<b>6488021</b>
<b>Miss Supithcha Jongphoemwatthanaphon</b>	<b>6488045</b>
<b>Miss Kanita Karunkittikun</b>	<b>6488049</b>



# Naruto Characters' Information



# Search System



ChatGPT Boolean query | Elasticsearch Discover - Elastic Project2\_report\_6488021 Project2\_6488021\_6488 Search Engine Relaunch to update

127.0.0.1:5000/search?keyword=

Mahidol University Members Search

## SEARCH SYSTEM FOR NARUTO CHARACTER INFORMATION

Welcome to our Character Search System! Our intuitive search allows you to discover characters based on their names, affiliations, backgrounds, abilities, and appearances. Powered by Elasticsearch, our system ensures quick and relevant results. Embark on a Journey: Explore the World of Naruto Characters with Our Powerful Search System!

Start Search

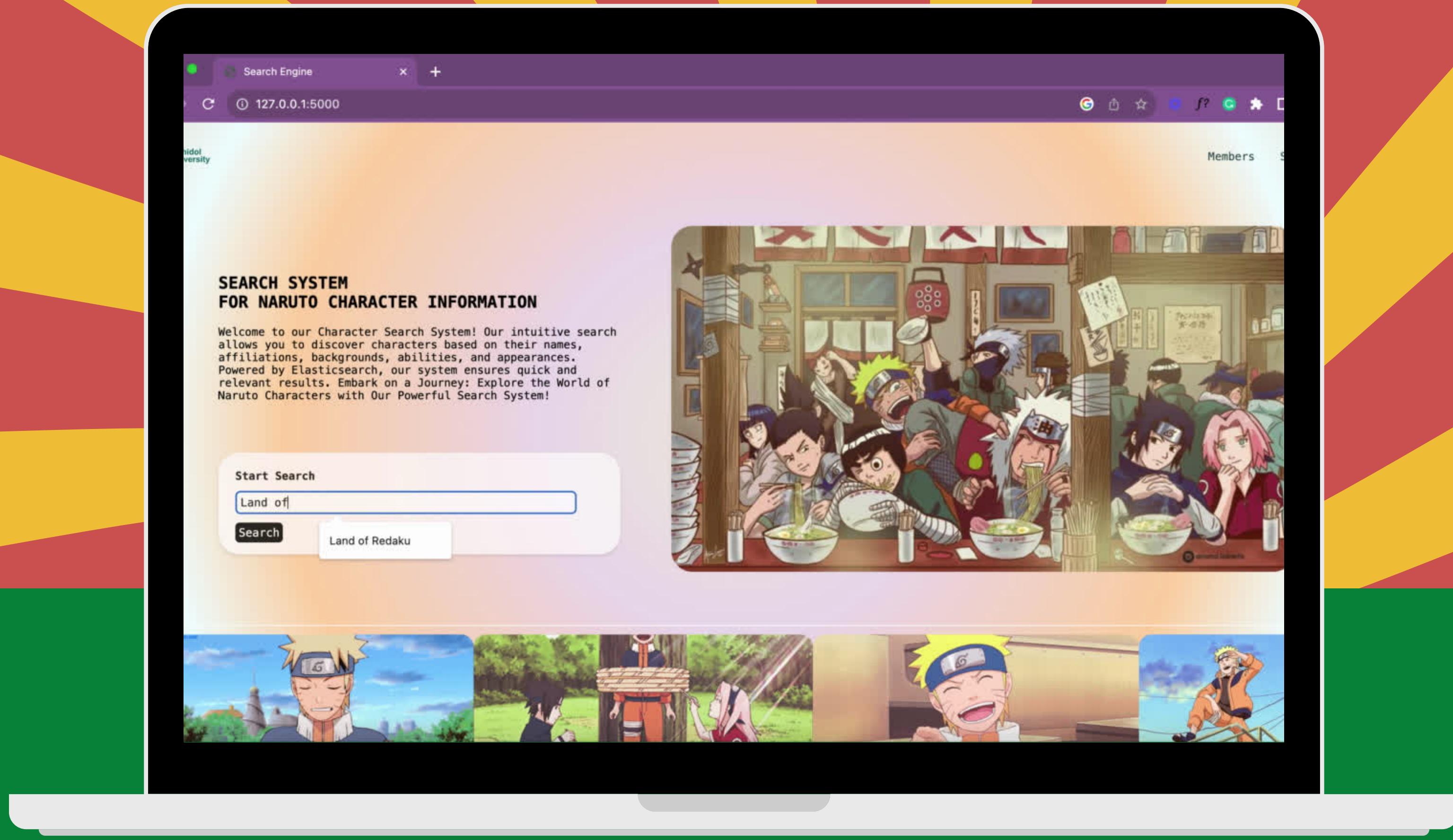
Search here!

Search

127.0.0.1:5000/search?keyword=

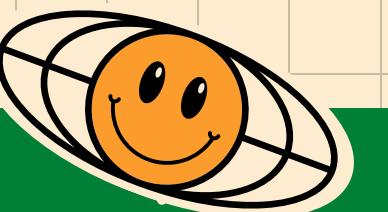
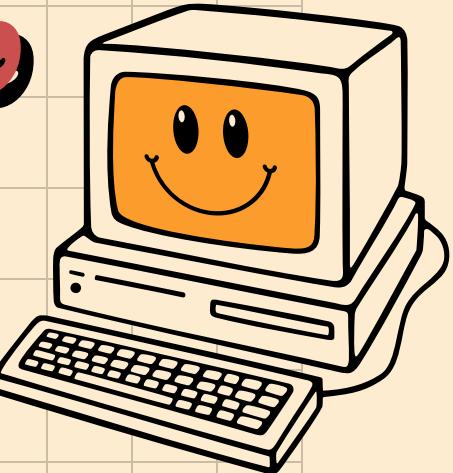
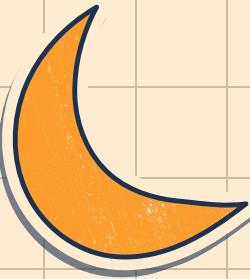


# One word query



Multiple word query & Partial match & Ranking

# *The technical difficulties, challenges, and lessons learned*



**Technical  
difficulties**

**Challenges**

**Lessons  
learned**

# Technical difficulties

kibana server is not ready yet.

→ We repeatedly experienced difficulties accessing Kibana, with error messages preventing us from connecting to Elasticsearch.



← → C ⓘ localhost:5601/?code=231333

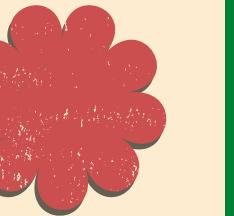
Kibana server is not ready yet.

← → C ⓘ localhost:5601

Kibana server is not ready yet.



# challenges



## **Search results show unrelated documents of characters**

We attempted to solve this problem by adding the minimum should match parameter in the query function,

## **Incomplete query scenario**

The utilization of fuzziness is not enough, so we added Edge n-gram tokenizer.

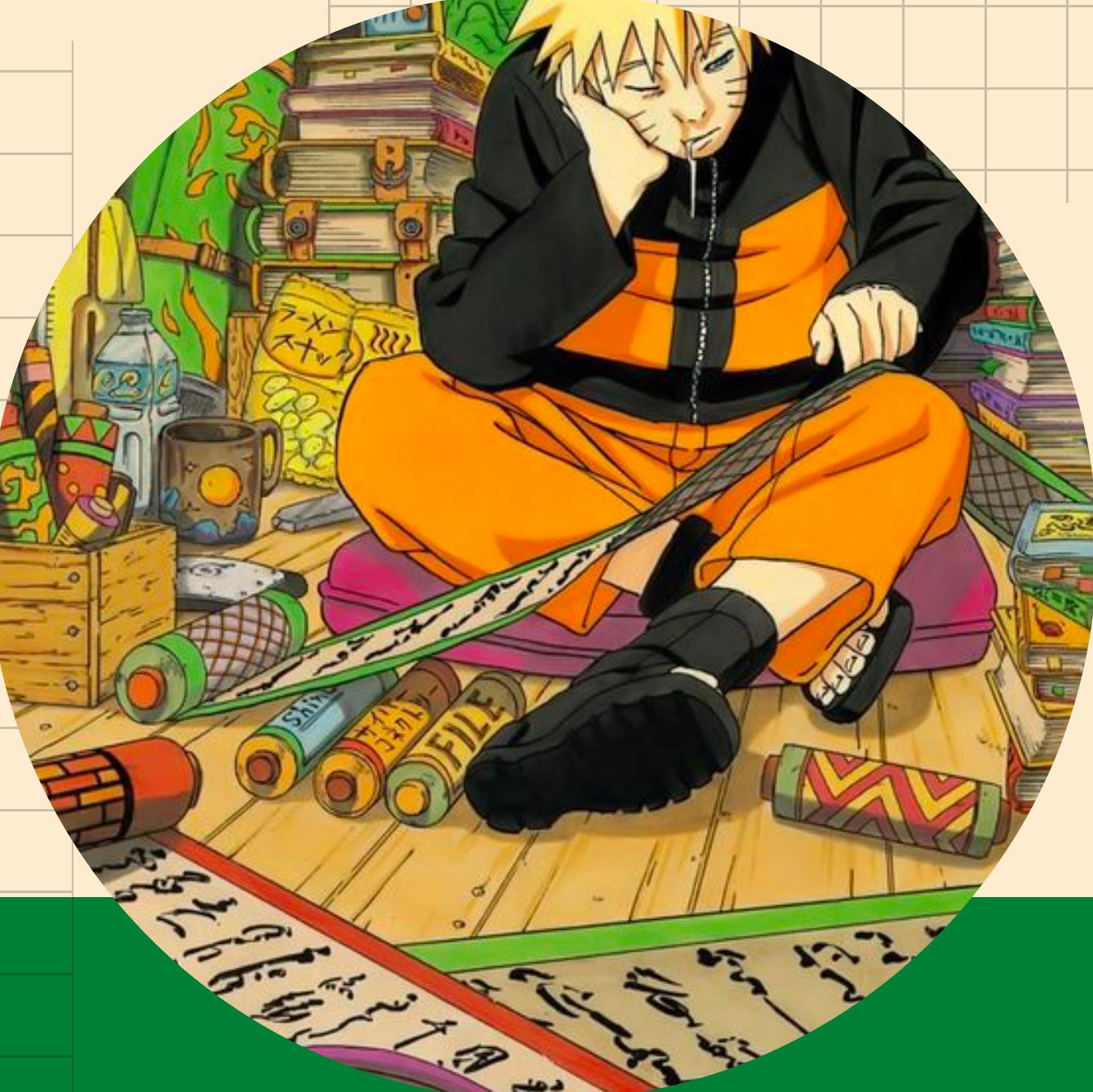
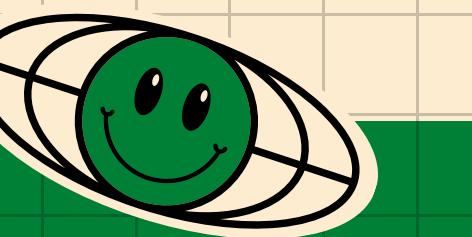


# Lessons learned

The persistent issue of accessing Elastic and Kibana might be related to the IP address or network used during the initial program download.

The field selection is necessary to be considered early in the process of creating a search system because each field in the document holds a different purpose for searching.

The text analyzer has to be inserted every time the data is used in the new Elasticsearch.





# Conclusion

This project represents a search system for *Naruto* characters with a unique and user-focused experience that is desirable to both dedicated fans and newcomers.

The primary objective is to provide valuable information about the various characters in *Naruto*, while also addressing the limitations of current resources that hinder the search for specific information details.



thank you

Naruto Team