PANIMALAR ENGINEERING COLLEGE

AN AUTONOMOUS INSTITUTION
DEPARTMENT OF INFORMATION TECHNOLOGY

III year/VI Semester

Privacy in Personalised Web Search

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ABSTRACT

- A search technique to enhance the efficacy and quality of web searches is personalised search results.
- Personalizing results for searches to make them more appropriate and suited to the client's preferences is the fundamental objective of personalised web search.
- But for personalization to be beneficial, user data—whether private or public—must be gathered and aggregated.
- The effectiveness of the customised online search system is impacted by users' reluctance to divulge certain confidential data when using search engines.
- This essay includes a poll on user choices in personalised web searches that are modelled as individual profiles.
- This study also discusses a personalised web search system that flexibly generalises individuals while taking into account viewer-specified confidentiality constraints.

LITERATURE SURVREY

Paper name	Author name	Problem defined	Methodology	Solution	Drawbacks
Web Personalisation based on User Interaction– 2021	Sumit Sakarkar, Vaibhav Chaudhari	To provide a personalized experience to the user while searching for data.	Scraping, Analysing and classification	Categorization of data and find relations between search result and user preference	Does not preserve the privacy of users
Multi-Group ObScure Logging A private protocol for Private Web Search - 2021	Mohib Ullah, Rafiullah Khan	Longer waiting period for users to obtain search results	Dividing the protocol based on user groups. (Static and dyanamic group).	The user either forwards the query directly or asks the peer user to forward the query	No grouping of users based on similar interest

EXISTING SYSTEM

Private Information Retrieval Schemes

Techniques proposed to privately retrieve information from databases by first partitioning the databases and then distributing the partitioned databases onto multiple servers by assuming that the multiple servers do not communicate with each other during information retrieval.

Proxy-Based PWS Schemes

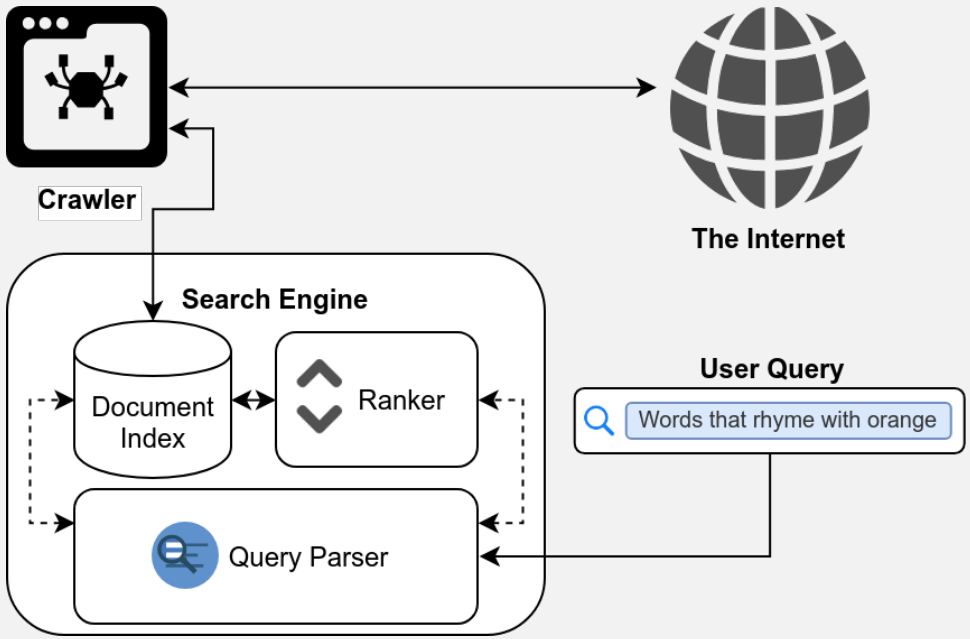
The PWS schemes of this category privately retrieve information from search engines through anonymous web browsing using proxy servers or dynamic IP addressing.

Collaborative Peer-To-Peer PWS

The PWS schemes of this category achieve WSP through users' collaboration. Search queries are issued to WSE through users' collaboration, and information is retrieved from WSE through user collaboration

PROPOSED SYSTEM &ITS ARCHITECTURE

An IR system indexes the files in a set so that queries can be processed quickly. Green indexing frequently employs a reversed index. The dictionary and the posting lists are two additives that make up the inverted index. A dictionary is a collection of all words and phrases that appear in a series at least once. The phrase appearances within the series are included in the posting lists. and the dictionary keeps the head tips of posting lists and integrates connected terms.



REQUIREMENTS OF THE PROJECT

HARDWARE REQUIREMENT:

Computer with ARM64 or x64 processor

SOFTWARE REQUIREMENT:

1. Front end : HTML
2. Web application :Visual Studio, Lucene open source
3. Back end : C#, .NET

MODULES OF THE PROJECT

Module description:

Dataset Preprocessing:

In this module, choose input dataset. Chosen dataset has been loaded into the database. After loading the dataset into the database, we can view the dataset.

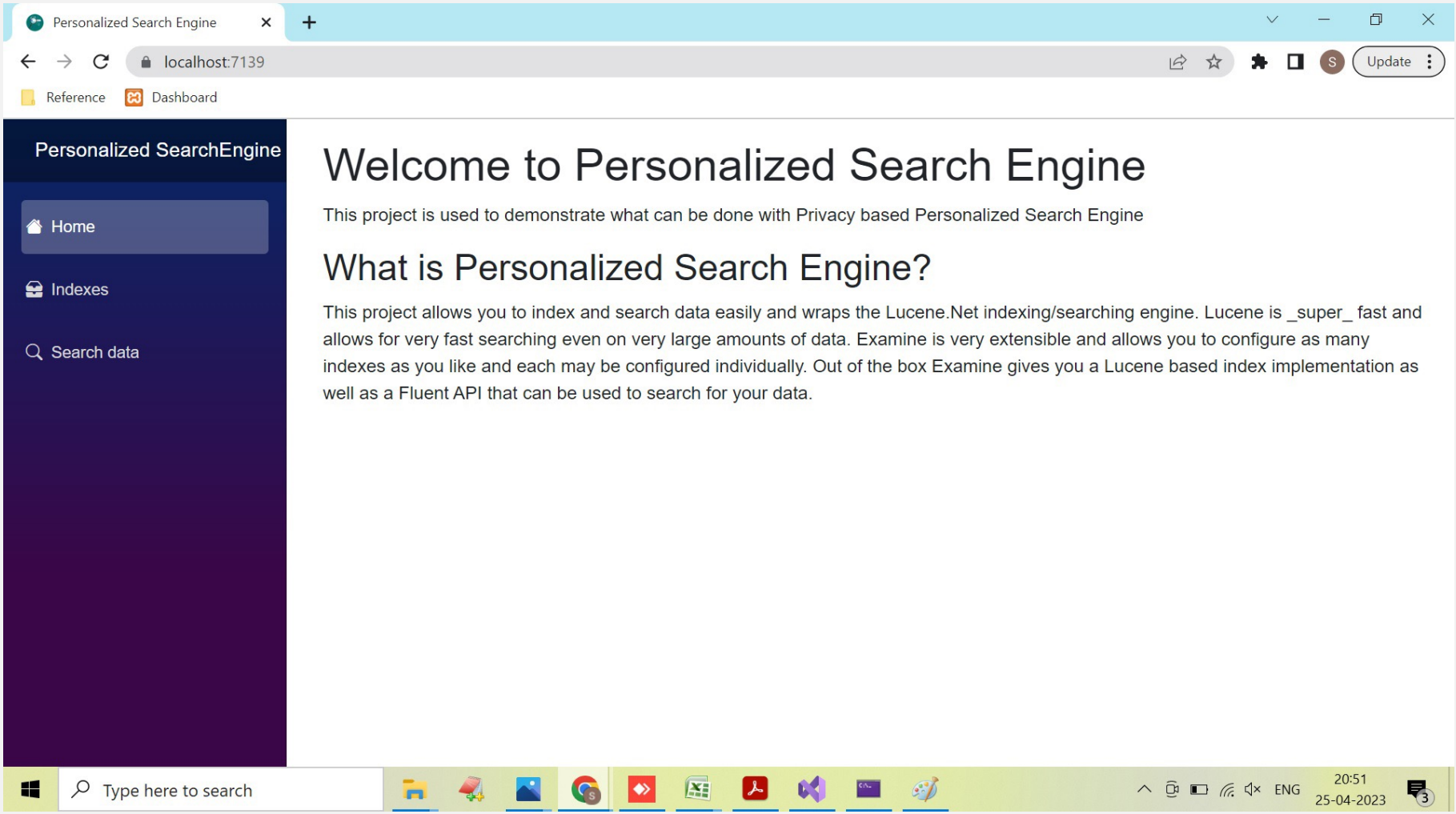
Query Submission and Query Retrieval:

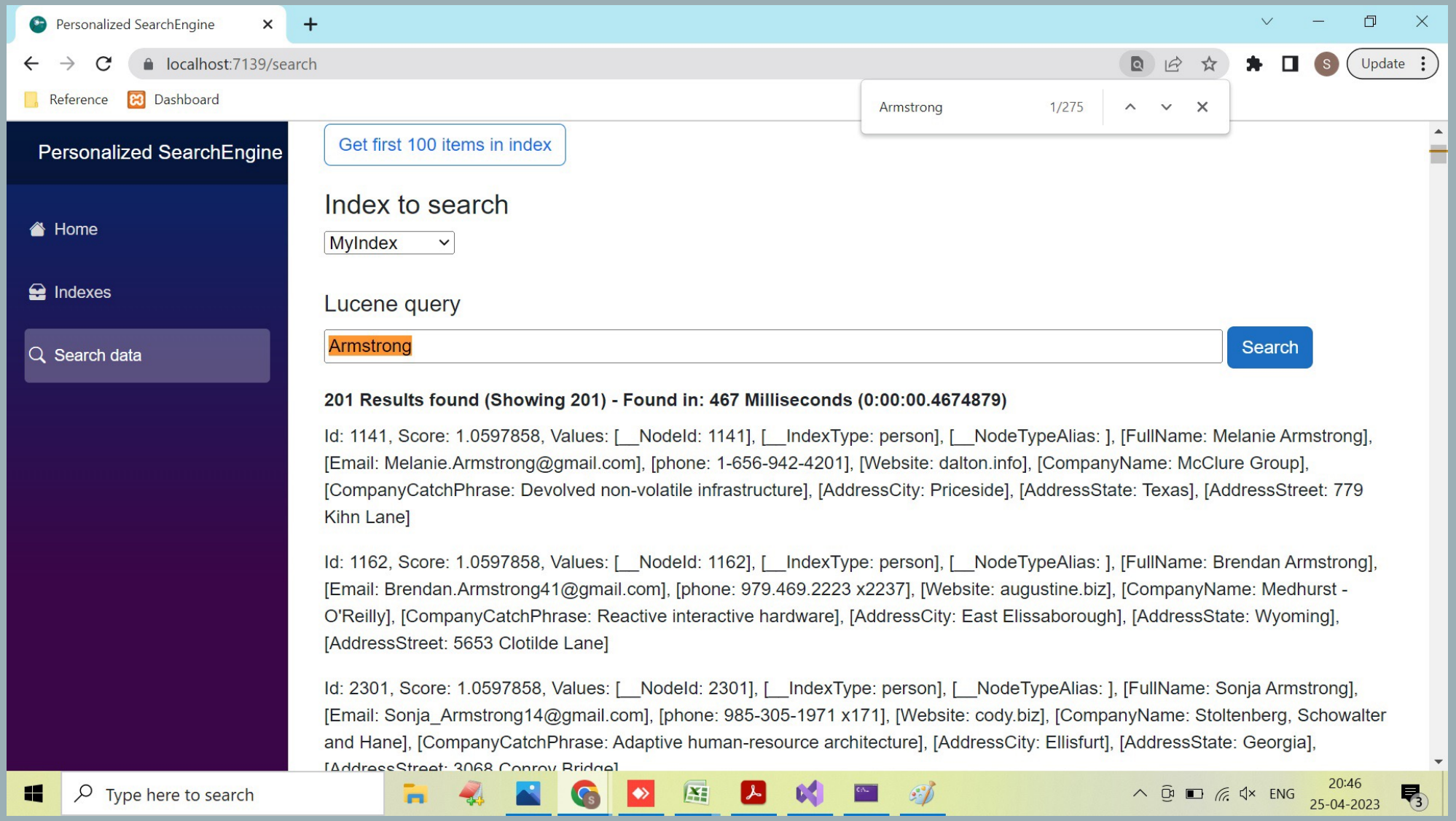
Based on User In this module, user submits query. Based on the query, some relevant results has been displayed and also based on the submitted query some history results are displayed.

Retrieve User Profile in Privacy Manner:

In this module, some adversaries to mine the history results means, only query time has been displayed. In this, other information's such as query, query results, username are not displayed by using the background knowledge

RESULT DISCUSSION

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Dashboard
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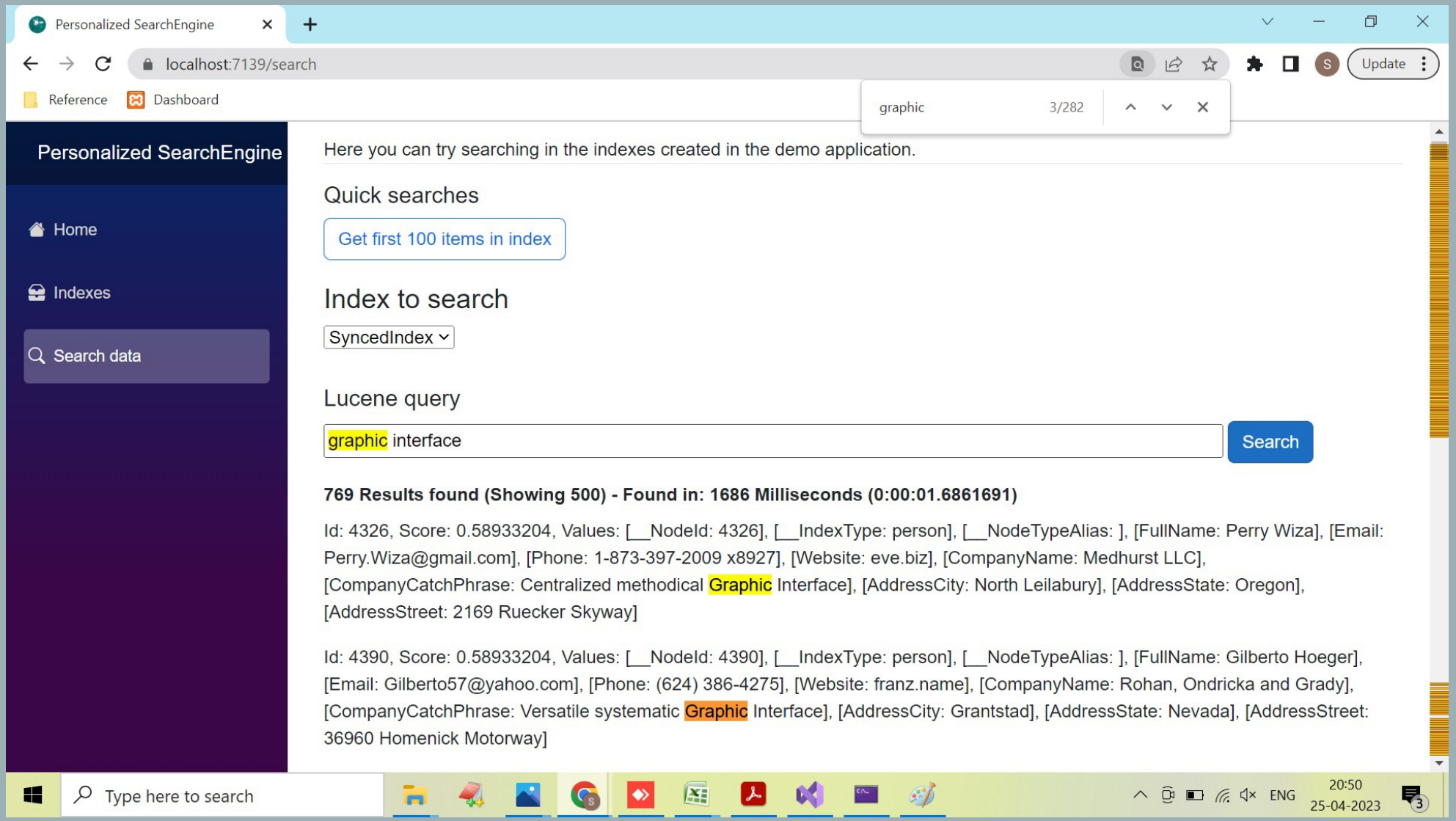
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Search data
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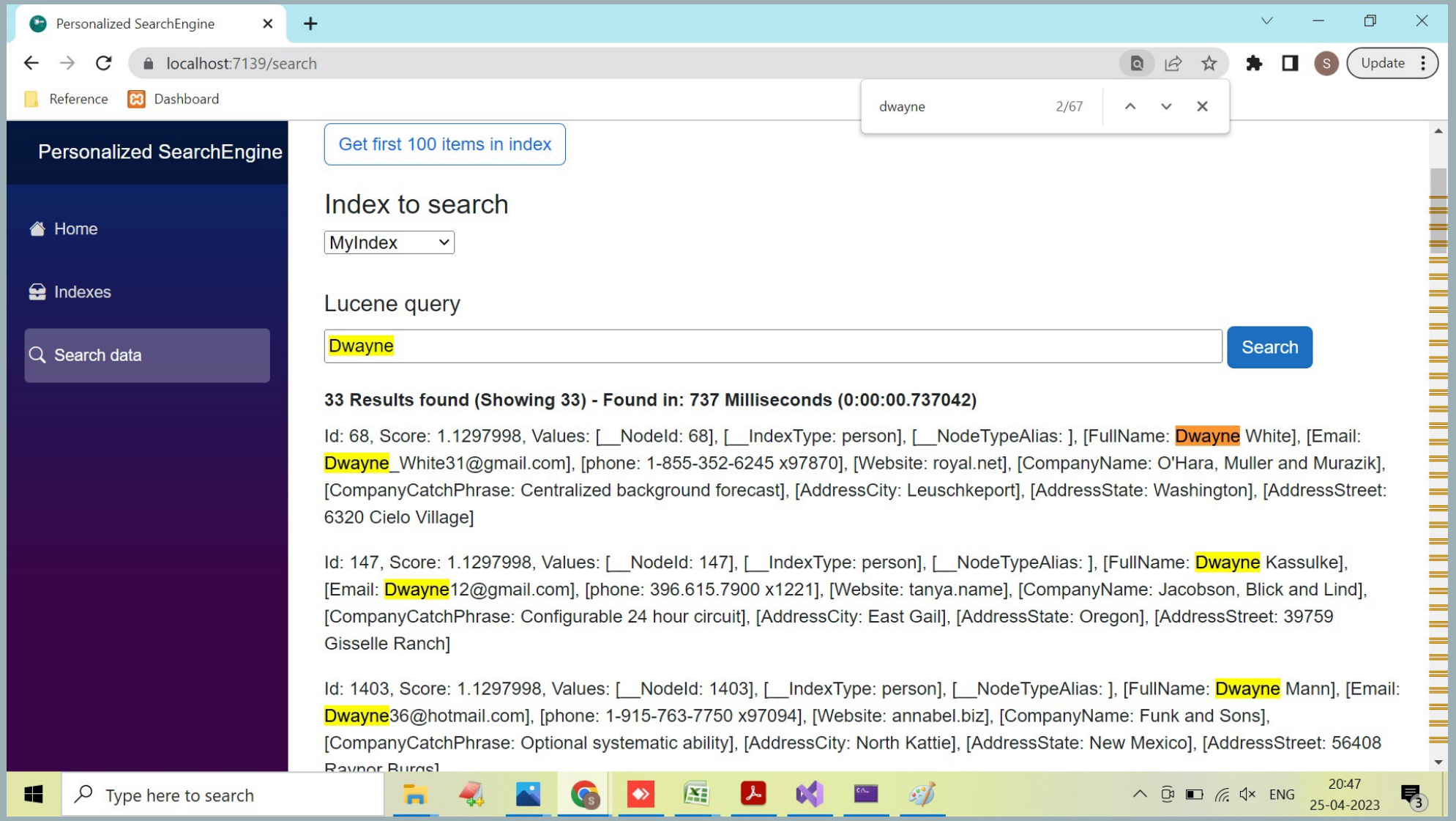
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THANK YOU