

modifyData() -> analyzes the DBLP data

processData() -> converts the DBLP data into a format that query
engine can work on

doSearch() -> enters search constraints into different search boxes

enterSearchCriteria() -> Passes the values for different search
constraints(as mentioned in the use cases) to the query engine

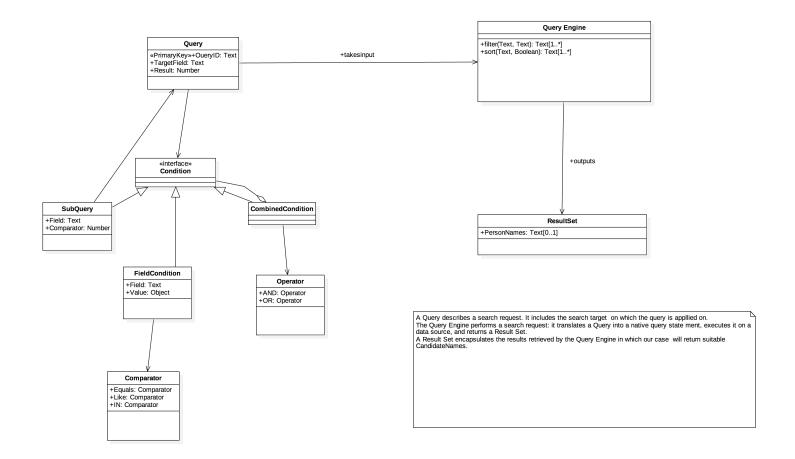
doesQuery() -> perform a query on Analyzed data as per the search
constraints given to it

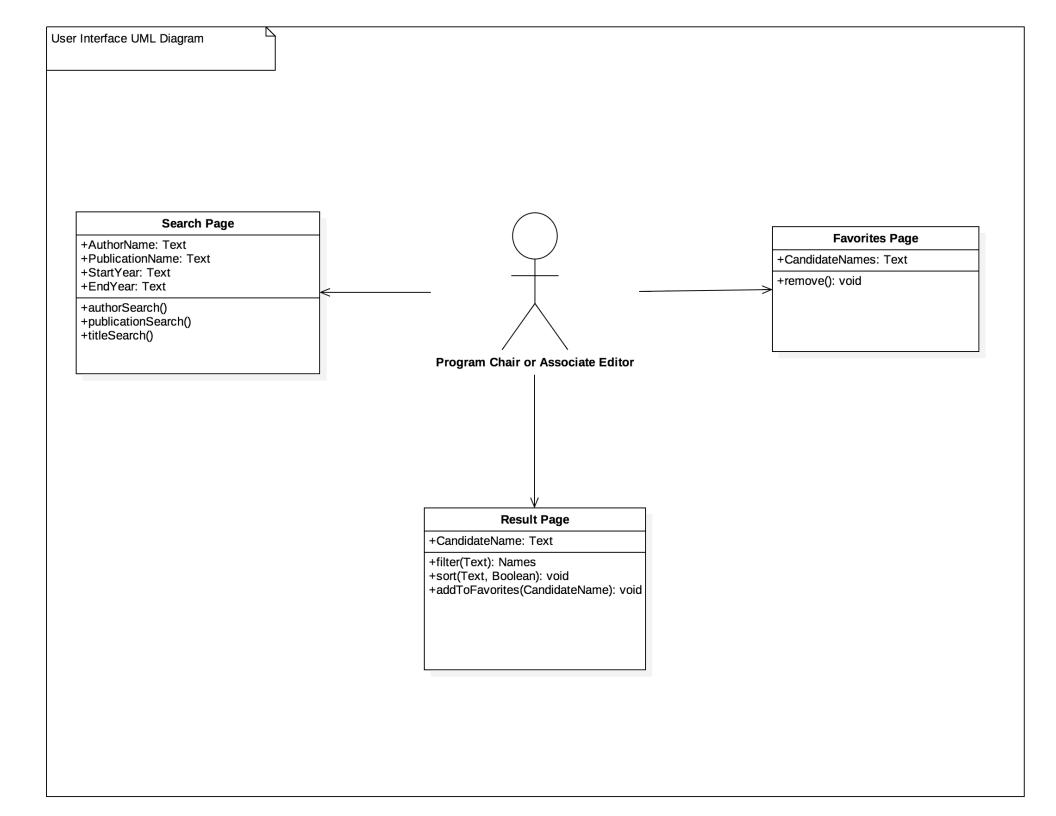
provideResults() -> return the query results for the query engine to
work on

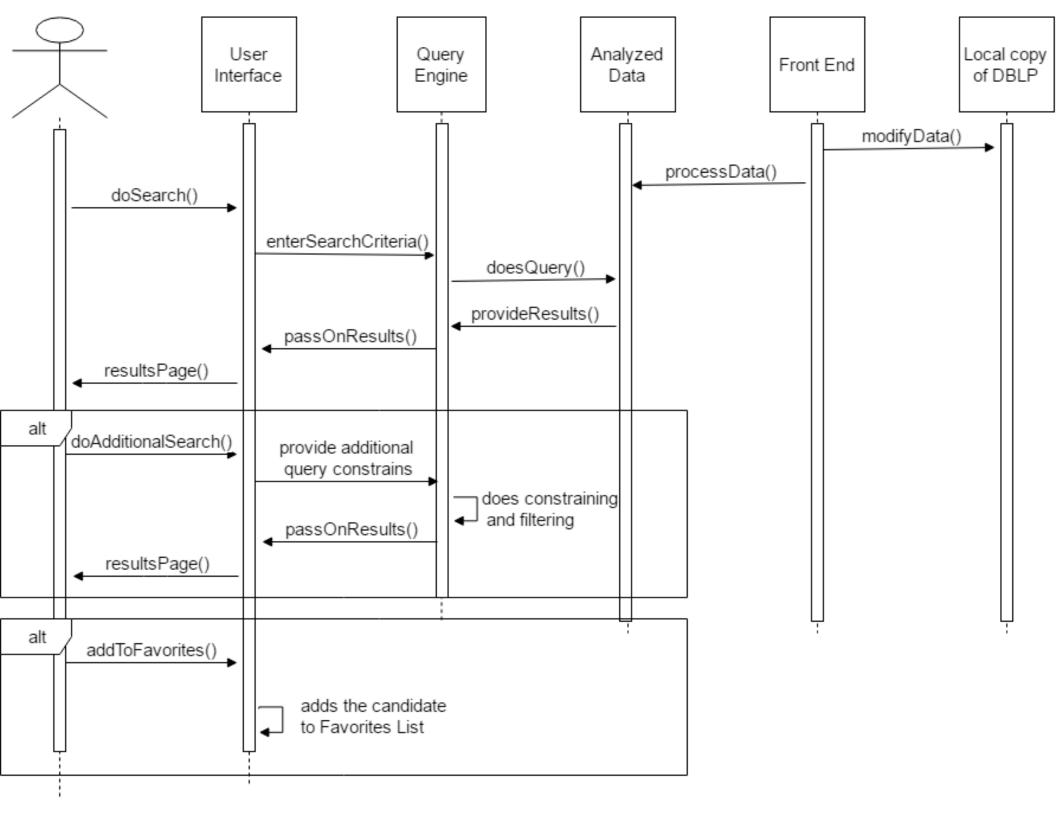
passOnResults() -> the results are returned to the user interface for it to display

resultsPage() -> display the results of the query into a proper format
as per user's search

doAdditionalSearch() -> the user can constrain queries or filter
results







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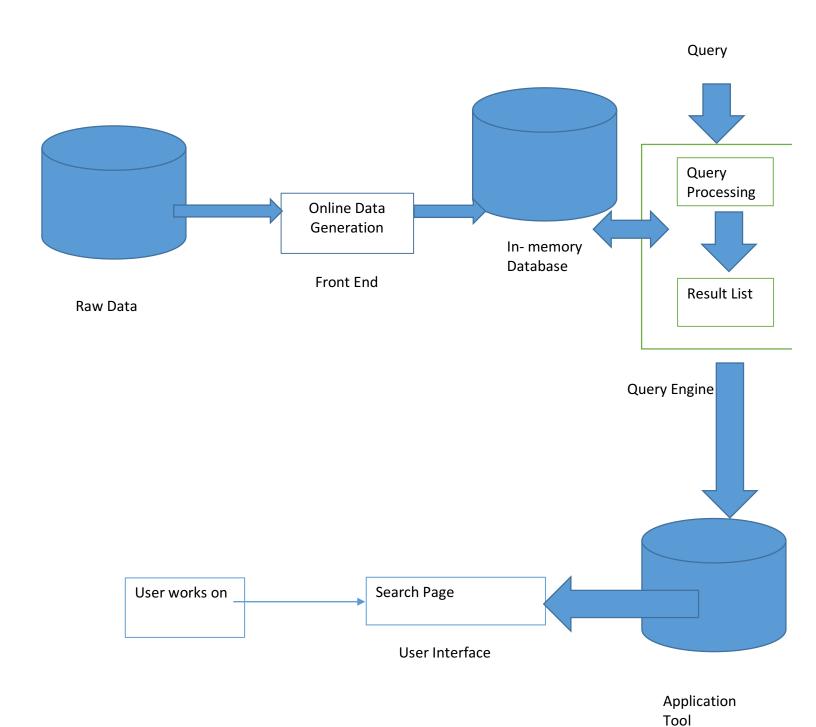
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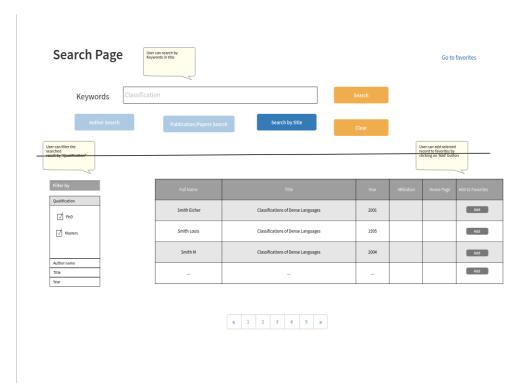
Moqups

1) First Page

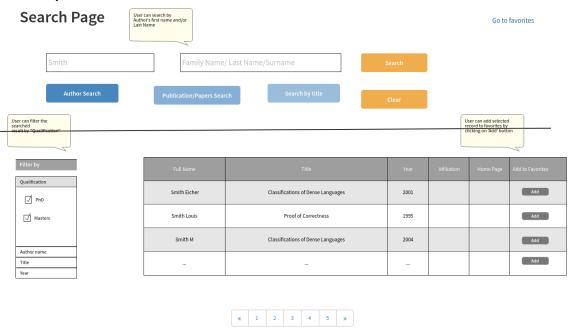
Search Page

	First Name/ Given Name	Family Name/ Last N	lame/Surname	Search
Publication Search Search Dy title	Author Search	Publication Search	Search by title	

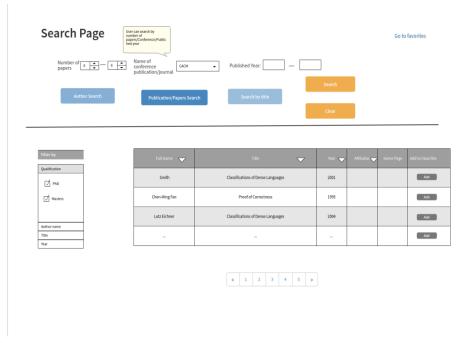
2) Search by title



3) Search by Author



4) Search by Publication/ Journal



5) Favorites Page

Favorites Page Go to Search Page

User can view the list of favorites and remove them

Full Name			Affiliation	Home Page	Remove
Smith Eicher	Classifications of Dense Languages	2001			Remove
Smith Louis	Proof of Correctness	1995			Remove
Smith M	Classifications of Dense Languages	2004			Remove
					Remove

