

User Level Documentation

Description of the Project: This is a Search Engine for the Departmental Library. It uses the Java programming language with a unique constructed string that will be sent to a database of the Library as a SQL query each time the search tool is used.

Warnings: Not all of the entries in the database have a dates or authors. There is an option to search by date or authors, but it will not necessarily catch all of the books by their dates or authors because they are entered as 0s or "unknown". Searches are case sensitive so if query has "java" it will not find a book with the title "Java". User must have sqlite and derby running in order for engine to work.

Instructions: To use this search engine tool, you must first run the Java Program. Once it is running the GUI (Graphical User Interface) will pop up with boxes labeled with the things you can use to search through the database. Once you have entered in your search parameters, the program will search through the given database for the object you are looking for. If it finds it, a list of the relevant results will be shown. If nothing is found with your search parameters, a new GUI will pop up and ask you to refine your search. using the six categories. From there you will be able to do one of two things you can search by category or go back to the first GUI and try a different search. When conducting the first search you cannot search for Title and Keywords in Title at the same time or Publishing Dates and Range of Dates, the GUI will gray one out as soon as the other is typed in. To undo that you can hit the clear button.