

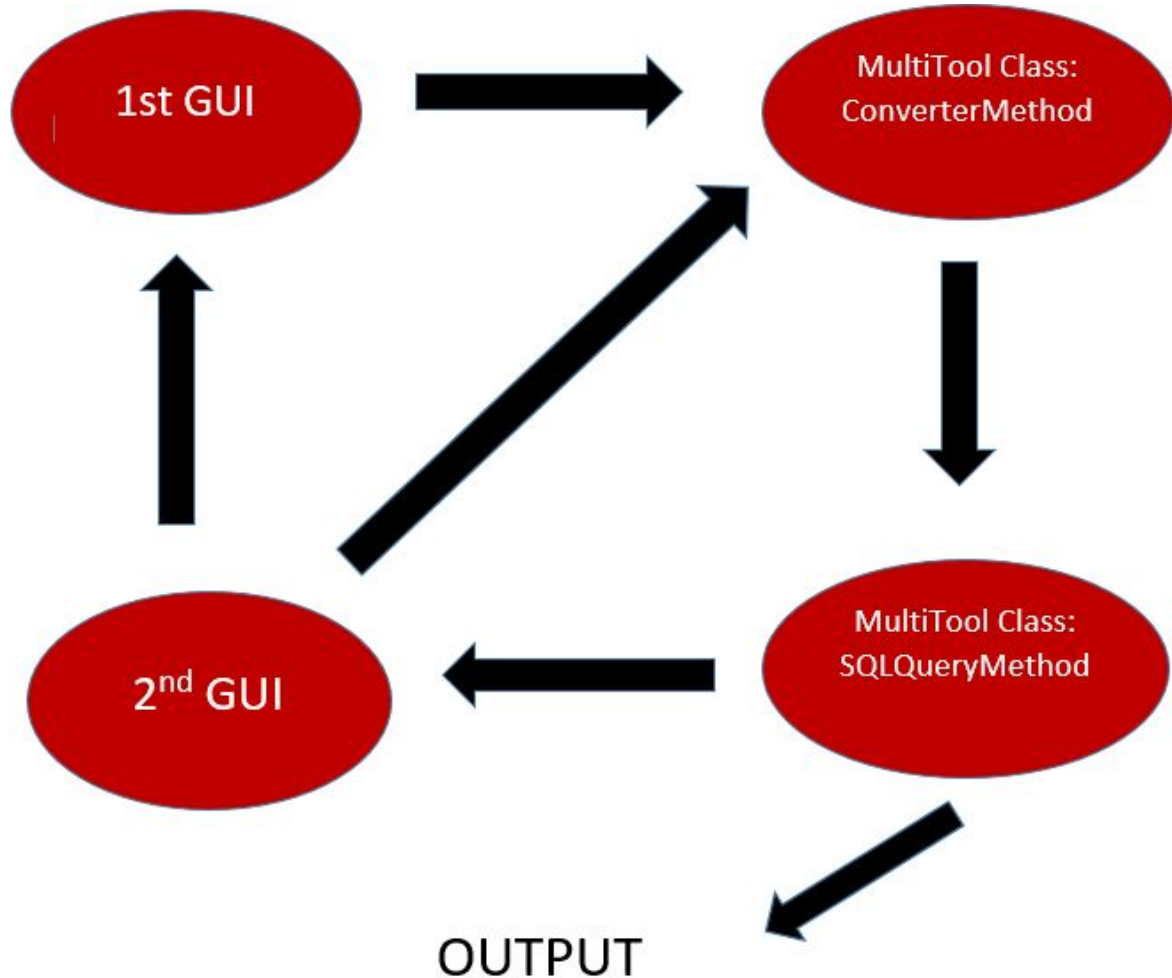
Developer Level Documentation

Project: Build a search departmental library search engine.

Languages used: Java and SQL

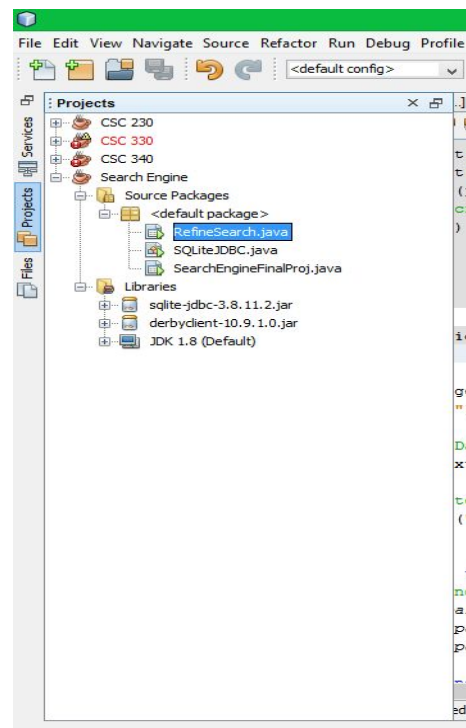
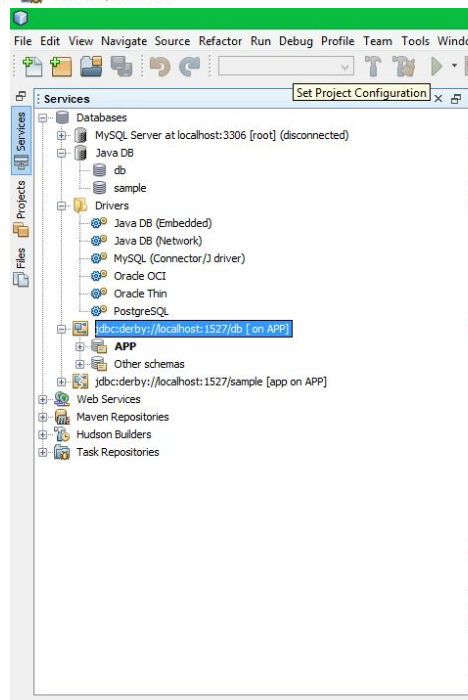
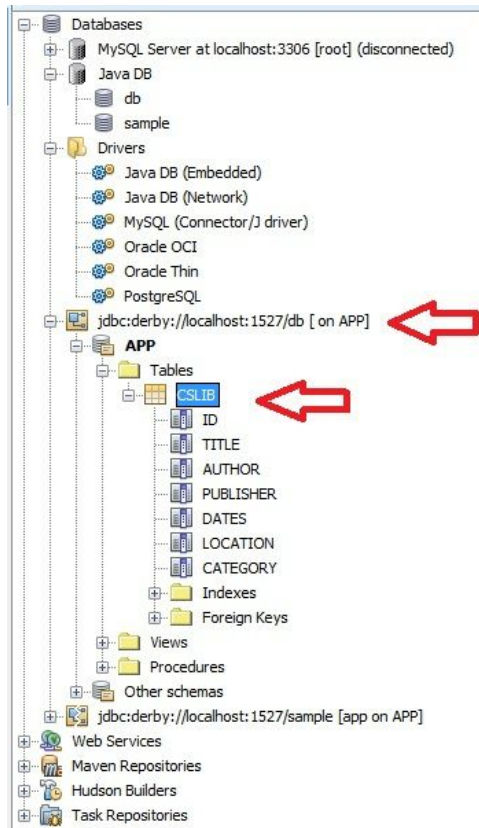
IDE: NetBeans

Authors: J'lesa Carr, Trayvon McKnight, James Stallings.



The architecture of the project shows a basic interaction that ultimately results in a query producing output. The first GUI takes in the data input by the user and sends that information to the converter method by constructing an object. You can search by any combination of title/keyword, author, publisher and publication dates/range of dates. A clear button on the first part of the GUI allows you to make a new search button. The logic needed to format a sql query is found in the converted method. That query is sent to the Query method and further formatted. It first connects to the database and then executes the command. It will either output the results or send you to a second GUI which allows you to broaden your search to one of the six categories and that will produce results for you to browse through. There is also a back button on the second part of the GUI allows you to return to the first part of the GUI. It is recommended for

you to use NetBeans because the database is made in Netbeans and works best in a NetBeans environment.



To access everything properly you must have the sqlite and derby jar files. The sql jar allows you to use the SQL commands. Derby allows you to build the database and connect to it via a local host.

