

Final Report 1st Implementation

First, we are going to discuss what we tried to implement.

In our first attempt, we tried to create a new class very similar to the ComboBox, a JavaFX tool, that would allow multiple selections. After some time, we realized that this would demand implementing many classes related to the ComboBox. It did not seem right and we deleted those classes.

In our second attempt, we eliminated the existing Combox and left only the query and search button. After inserting the query and pressing the "Search" button, a new window would pop up displaying the many databases available. Once we finished selecting those databases, we would press the "Search" button, and the already existing window for inserting the entries would pop up. There was a problem with this implementation. Even a minor change in a class demanded changes in many other classes. And the classes changed demanded new classes be changed. This was revealed to be immensely arduous and time-consuming. We did not believe it was the right approach to our problem. We deleted all the changes.

In the third attempt, we tried to use a different JavaFX Tool, called ListView. We couldn't finish checking if this attempt would be valid, and therefore we didn't implement it.

For the final attempt, we were thinking to alter the following classes:

- WebSearchPane: Change the ComboBox with ListView and adapt the methods to fill the list with the names of the databases.
- WebSearchPaneViewModel: Adapt this class to return the multiple selected databases (fetchers) instead of only one.
- ImportEntriesDialog: This class receives the context(database and metadata) of one only database as an argument. A possible change would be to receive all the selected databases as an argument.
- ImportEntriesViewModel: Adapt this class to receive multiple databases instead of only one. Adapt its methods to send all the entries related to the previously selected databases. Since different databases might contain identical entries, these would have to be removed. For this reason, when selecting the entries, the name of the database should be next to the entry.
- Other related classes.