**MSD Phase 3 – Team 20**

**Installation and Documentation Guide**

*Installation*

We have submitted our Phase 3 work as **Team20Phase3.jar.** (a runnable JAR file packaged with all the libraries we have used in the project.)

To run the jar file please follow the following steps:

1. Open the Terminal / CMD
2. Then run the below command:
   1. Java -jar Team20Phase3.jar

*Documentation*

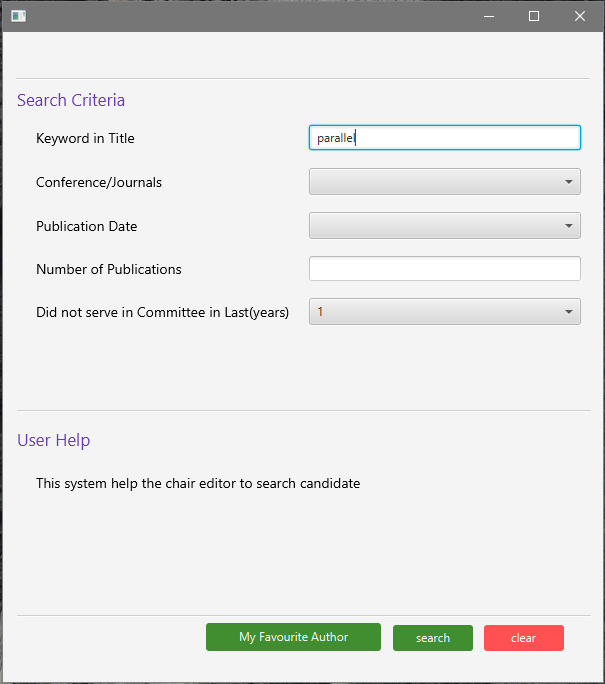
**Application Features:**

1. Two different search options:
   1. Search for various Authors based on:
      1. Keywords in Publication title
      2. Published papers in one of the listed conference or journal
      3. Published in some year
      4. Total number of papers published
      5. And whether they have been a previous committee member or not
   2. Search for a similar author based on:
      1. Authors having same number of publications
      2. Authors having co-authored a paper
2. Allowing to mark and maintain favorite authors
3. Ability to view the details of a single author

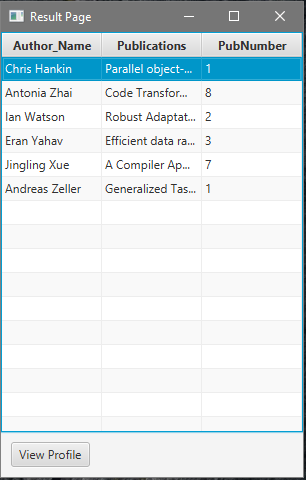
**Project Technical Details:**

1. **User Interface:** We have built our user interface using JavaFX
2. **Query Engine:** Our Query Engine is completely coded in Java and we have used JDBC to connect with the database
3. **Front-end:** We have parsed the DBLP and Committee data into a PostgreSQL database and hosted the whole database data on AWS storage instance

**Application Overview:**

Landing screen is the search screen which allows the user to search for set of authors.

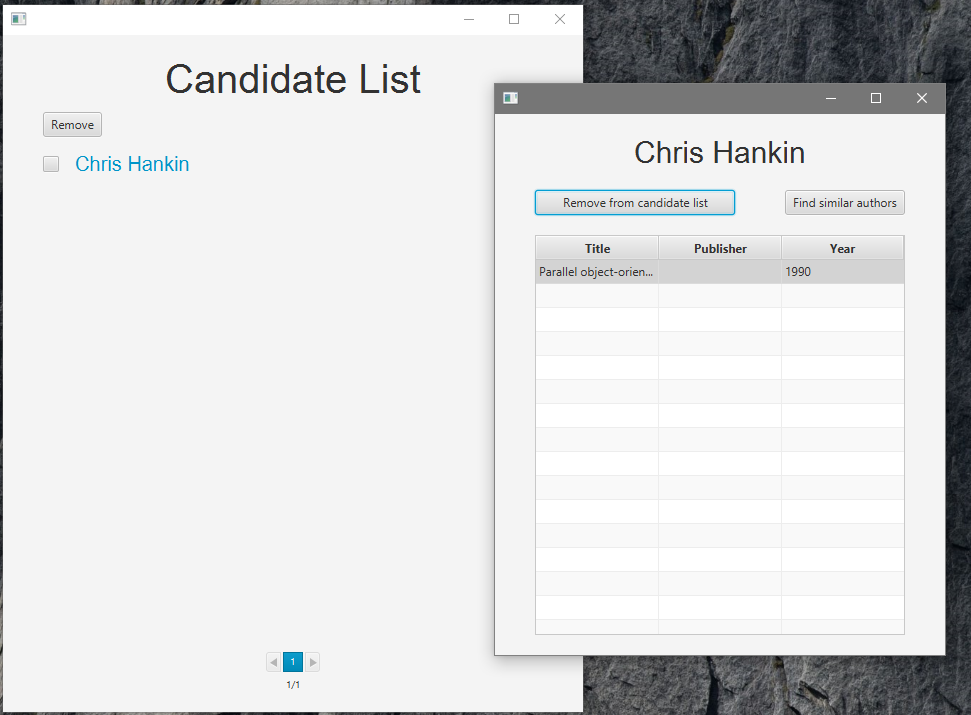
The application is made easier because we populate the list of names of conferences and journals available in our database as well as publication year.

Then we have the window where we populate the search result list obtained based on the criterions entered.

On this result page, we have **View Profile** button which allows the user to see the details of the author selected in the result list obtained.

The following is how the author’s profile will look like.

On this window, you can add and remove the author from your favorite author list and another search option to search for authors like the author in the profile page.

On clicking the “My Favorite Author” this candidate’s list opens where the list of all the favorited authors will be seen and on clicking the name of the author opens again their individual profile.