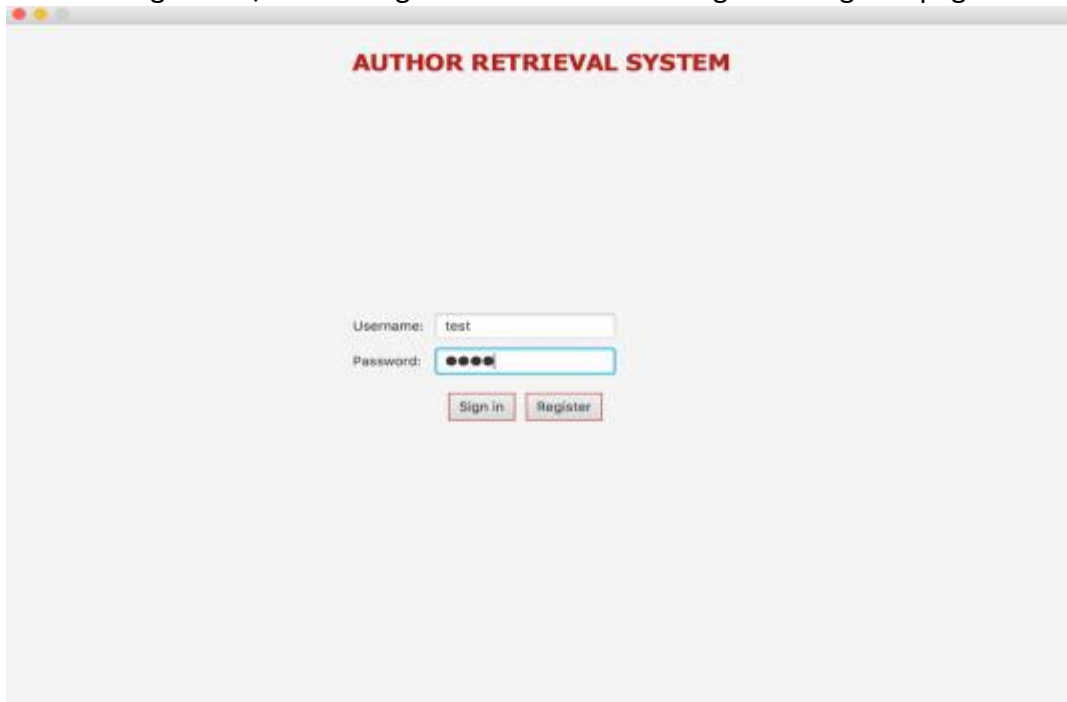


User Manual

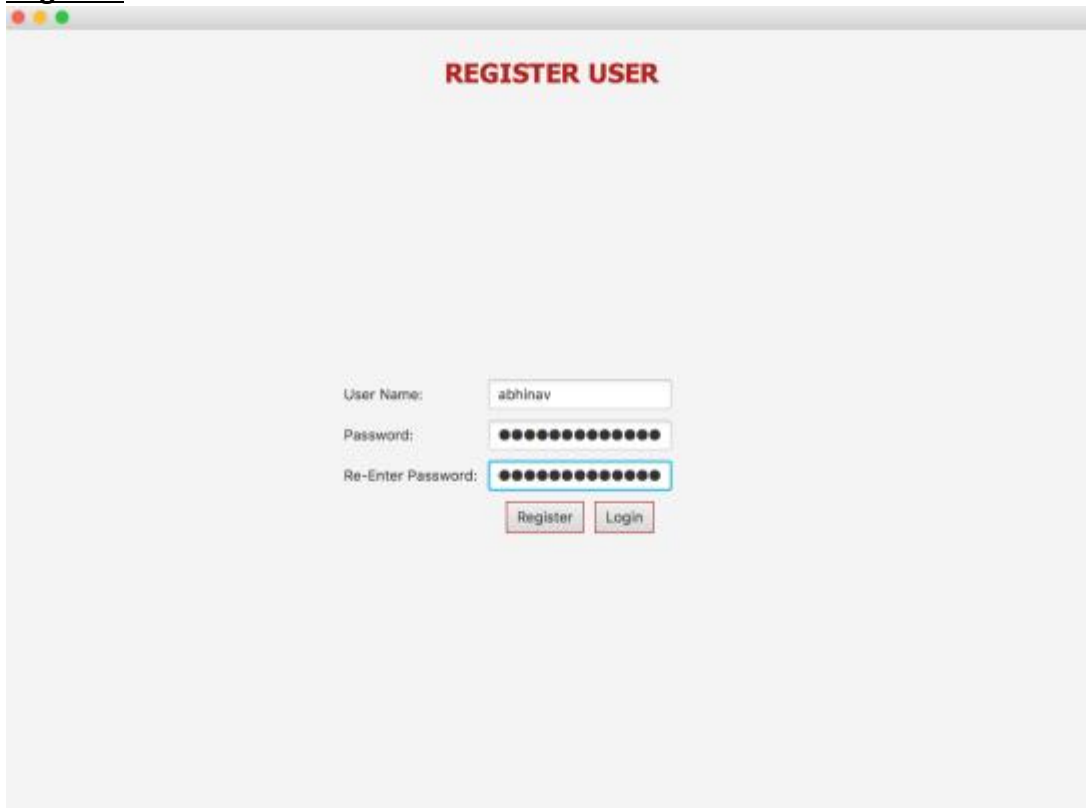
1. Login (Landing Page):

User can login if he/she is a registered user or can navigate to register page if first time user.



The screenshot shows a web browser window with the title "AUTHOR RETRIEVAL SYSTEM" in red text at the top. Below the title, there is a login form. The form contains two input fields: "Username:" with the text "test" entered, and "Password:" with four black dots representing masked characters. Below these fields are two buttons: "Sign in" and "Register".

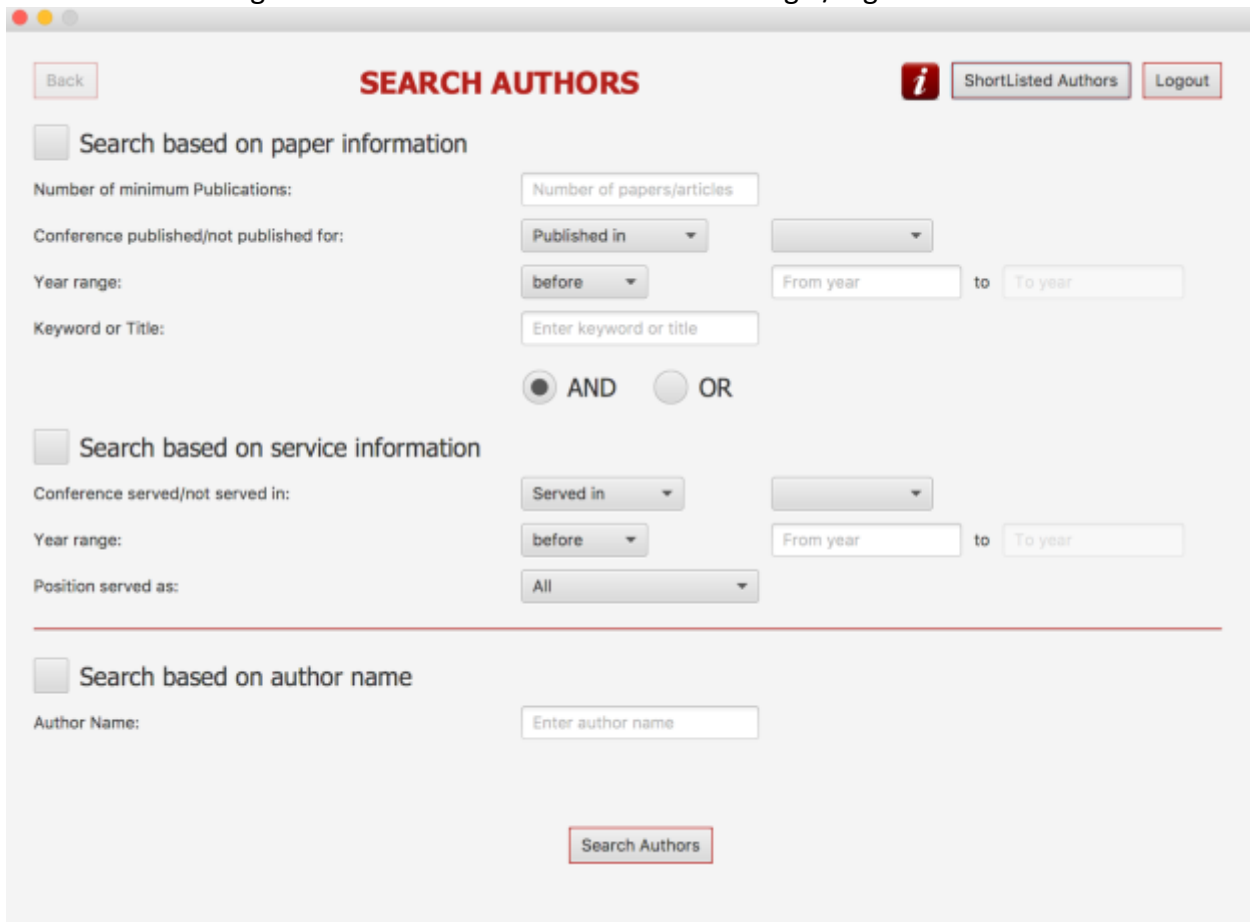
2. Register:



The screenshot shows a web browser window with the title "REGISTER USER" in red text at the top. Below the title, there is a registration form. The form contains three input fields: "User Name:" with the text "abhinav" entered, "Password:" with twelve black dots representing masked characters, and "Re-Enter Password:" with twelve black dots representing masked characters. Below these fields are two buttons: "Register" and "Login".

3. Search Screen:

- User is navigated to search screen after successful login/registration.

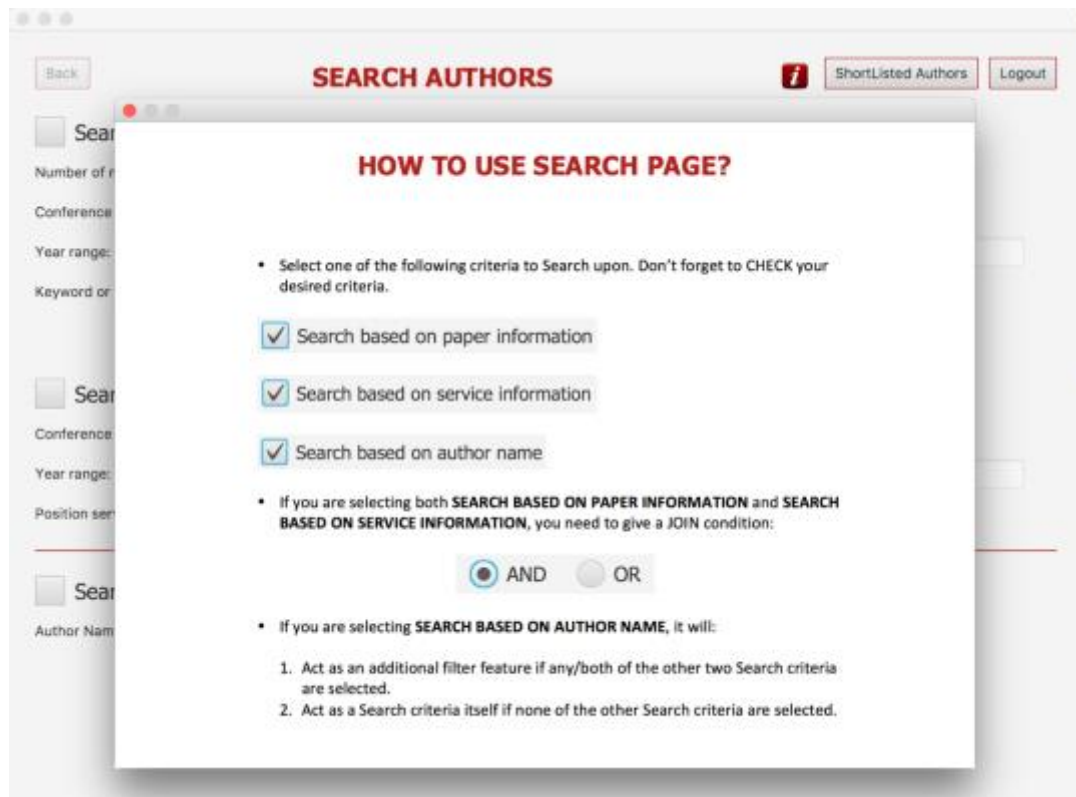


The screenshot shows a web application titled "SEARCH AUTHORS". At the top left is a "Back" button. At the top right are a help icon (i), a "ShortListed Authors" button, and a "Logout" button. The main content area is divided into three sections, each with a checkbox and a title:

- Search based on paper information:** This section includes a text input for "Number of minimum Publications:" with a placeholder "Number of papers/articles". It has a dropdown for "Conference published/not published for:" with "Published in" selected. There is a "Year range:" section with a "before" dropdown, a "From year" input, a "to" label, and a "To year" input. A "Keyword or Title:" section has a text input with placeholder "Enter keyword or title". Below these are radio buttons for "AND" (selected) and "OR".
- Search based on service information:** This section includes a dropdown for "Conference served/not served in:" with "Served in" selected. It has a "Year range:" section with a "before" dropdown, a "From year" input, a "to" label, and a "To year" input. A "Position served as:" section has a dropdown with "All" selected.
- Search based on author name:** This section has a text input for "Author Name:" with placeholder "Enter author name".

At the bottom center is a "Search Authors" button.

- There are 3 criteria provided on Search Screen using which we can search for authors either individually or in combination as described below:
- There is a help page with symbol (i) which provides the information about how user can search for the authors using the different criteria.



i) Search using Publication Information:

- For activating the search based on paper published criteria you need to select the checkbox "Search based on paper information" as shown below:

The screenshot shows the search criteria form for "Search based on paper information". The form includes the following fields:

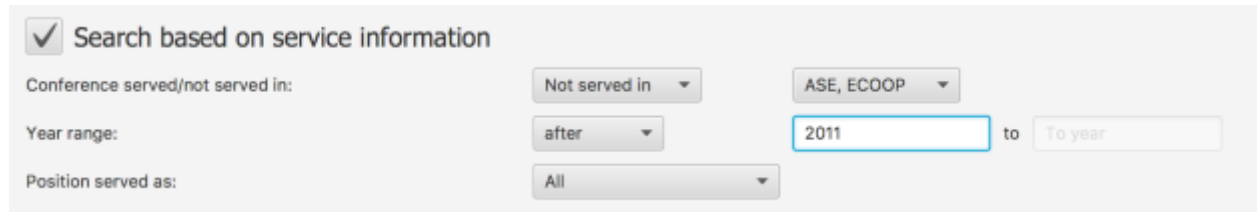
- ☒ Search based on paper information
- Number of minimum Publications:
- Conference published/not published for:
- Year range: to
- Keyword or Title:

The above criteria search for authors based on following things:

- *Minimum number* of papers published AND
- Paper *published/not published* in selected conferences AND
- Papers published *before/after/between* year range AND
- *Keywords* to be matched in title.

ii) Search using Committees served information:

- For activating the search based on committees authors have served, you need to select the checkbox “Search based on service information” as shown below:



The screenshot shows a search criteria form with the following fields and values:

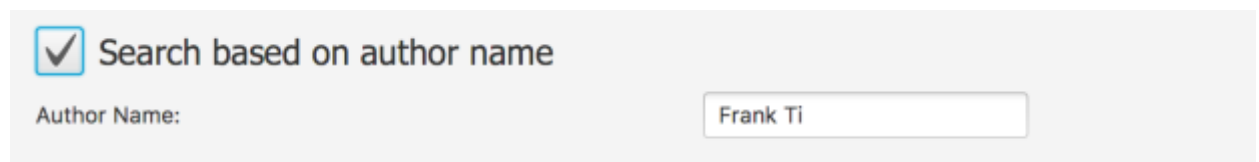
- ☒ Search based on service information
- Conference served/not served in: Not served in (dropdown)
- ASE, ECOOP (dropdown)
- Year range: after (dropdown)
- 2011 (text input) to To year (text input)
- Position served as: All (dropdown)

The above criteria search for authors based on following things:

- *served/not served* in selected conferences AND
- Committees served *before/after/between* year range AND
- *Position of Author* served in conferences

iii) Search matching name of the author:

- For activating the search based on Author name, you need to select the checkbox “Search based on Author name” as shown below:
- The author name entered in the textbox matched against the name of the Author present in the database. It matches all the results which contains the provided text.



The screenshot shows a search criteria form with the following fields and values:

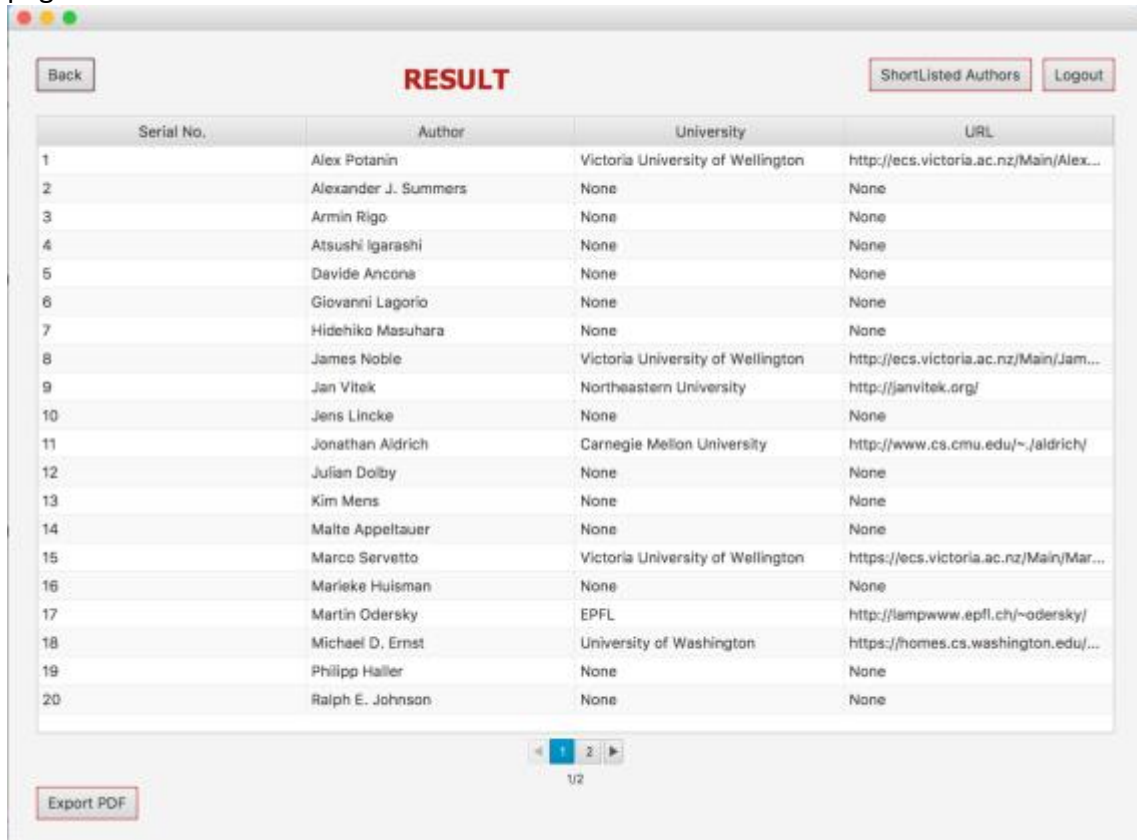
- ☒ Search based on author name
- Author Name: Frank Ti (text input)

- Apart from providing the criteria individually, we can combine different criteria as:
 - Combine “Search based on paper information” and “Search based on service information” and can specify the join operation on this result (AND/OR).
 - Combine “Search based on author name” with either one or both of criteria. In that case Author name will be an additional filter on top of the other criteria result.

4. Result Page:

- User is navigated to “Result Page” when he/she submits a valid search criteria OR clicks “Search Similar Profile” button on Author Profile Screen.
- The result page contains a table of Authors where each row corresponds to an Author and displays his information such as Name, affiliated university and homepage url.
- The author table is paginated displaying 20 authors on each page. The controls for pagination is present at the end of the table.

- Each of the row in the table is clickable and navigates to selected Author profile page.



Serial No.	Author	University	URL
1	Alex Potanin	Victoria University of Wellington	http://ecs.victoria.ac.nz/Main/Alex...
2	Alexander J. Summers	None	None
3	Armin Rigo	None	None
4	Atsushi Igarashi	None	None
5	Davide Ancona	None	None
6	Giovanni Lagorio	None	None
7	Hidehiko Masuhara	None	None
8	James Noble	Victoria University of Wellington	http://ecs.victoria.ac.nz/Main/Jam...
9	Jan Vitek	Northeastern University	http://janvitek.org/
10	Jens Lincke	None	None
11	Jonathan Aldrich	Carnegie Mellon University	http://www.cs.cmu.edu/~aldrich/
12	Julian Dolby	None	None
13	Kim Mens	None	None
14	Malte Appeltauer	None	None
15	Marco Servetto	Victoria University of Wellington	https://ecs.victoria.ac.nz/Main/Mar...
16	Marieke Huisman	None	None
17	Martin Odersky	EPFL	http://lampwww.epfl.ch/~odersky/
18	Michael D. Ernst	University of Washington	https://homes.cs.washington.edu/...
19	Philipp Haller	None	None
20	Ralph E. Johnson	None	None

- On Result page, there is an option to export the result. On clicking the “Export PDF” the result table is exported to pdf file and saved to local machine.

5. Author Profile Page:

- User can navigate to Author Profile page by clicking on any row of the result table.
- This page contains information of author such as name, affiliated university, homepage url, papers published and conferences served.
- Once the user is on Author profile page, he/she can “Shortlist” the author for the conference.
- Once user click on the “Shortlist Author” button it shortlists the author which can be viewed by clicking on “Shortlist Authors” button present on top navigation bar.
- From the Author Profile page user can start a fresh search by clicking on “Restart Search” button.
- User can also search for similar authors by clicking on the “Search similar authors” button.
- User can view author’s home page by clicking on the link. This will open a web-view container which renders the homepage of the author.

AUTHOR PROFILE

Back ShortListed Authors Logout

Frank Tip
Affiliated University: Northeastern University
Homepage URL: <http://www.franktip.org/>

Serial No.	Conference Title	Paper Title	Year
1	ecoop	trace typing: an approach for evaluating retrofitted type systems.	2016
2	ecoop	efficiently refactoring java applications to use generic libraries.	2005
3	ecoop	correlation tracking for points-to analysis of javascript.	2012
4	ecoop	declarative object identity using relation types.	2007
5	ecoop	constructing call graphs of scala programs.	2014
6	ecoop	customization of java library classes using type constraints and profile information.	2004

Serial No.	Year	Name	Title
1	2013	ecoop	proceedings of the 4th workshop on scala, scala@ecoop 2013, montpellier, france, july 2, 2013
2	2008	ecoop	ram-se'08-ecoop'08 workshop on reflection, aop, and meta-data for software evolution, proceedings,
3	2009	ecoop	proceedings of the 4th workshop on the implementation, compilation, optimization of object-oriented l
4	2004	ecoop	ram-se'04-ecoop'04 workshop on reflection, aop, and meta-data for software evolution, proceedings,
5	2007	ecoop	ram-se'07-ecoop'07 workshop on reflection, aop, and meta-data for software evolution, proceedings,
6	1999	ecoop	ecoop'99 - object-oriented programming, 13th european conference, lisbon, portugal, june 14-18, 199

Restart Search Search Similar Author Shortlist Author

6. Search Similar Author:

- User can search for similar author from a given author profile page.
- Search Similar Author screen is same as Result screen.
- Similar author's matching criteria as of version 1.0 are:
 - Matching co-authors of papers published by given author AND
 - Matching the authors who has served in the same committee as given author

7. Shortlisted Authors:

- Shortlisted Author page contains the author's information selected by the user during the search process.
- Authors can be selected/shortlisted from the Author profile page.
- This screen is same as the Result screen showing selected authors in table. The only difference is Shortlisted author screen is not paginated.
- User can also export the shortlisted author table in a pdf for distribution purpose.
- Authors can be removed from the shortlist by selecting a row and clicking on the Remove Selected Author button.
- Similarly, profile of an author can be viewed by selecting a row and clicking "View selected author profile" button.

8. Other features: