



CS5500-SPRING17-TEAM1

Use Cases v1.0

Abstract

Project Description and System Use Cases

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Project Description

Aim of the project is to develop an application that would facilitate selection of appropriate candidate to review submissions to a Program Committee Chair or Associate Editor. The application would make use of existing repository of conference and journal data from sources such as but not limited to DBLP Computer Science Biography (<http://dblp.uni-trier.de>), ACM Digital Library (<http://dl.acm.org>)

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119. <https://www.ietf.org/rfc/rfc2119.txt>

Use Cases

Use-case ID	UC01
Use-case	Configure a Data Source
Primary Actor	User
Goal in context	To add a new data source to the application so that it can be queried upon
Preconditions	The application MUST be installed on the user's computer The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to issue queries on a new data source
Scenario	<ol style="list-style-type: none">1. User clicks on the "Add data source" button on the top navigation bar2. System displays the "Add data source" wizard3. User selects the type of data source from the "Type" drop down menu4. User enters a unique name for the data source5. User selects the mapping from the drop down menu or specifies a custom mapping6. User enters the path / URL to the data source7. User clicks on the "Add" button8. System shows a loading screen and begins to process the data source in the background9. System displays a success message when the process is completed
Exceptions	<ol style="list-style-type: none">1. System fails to add the data source: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC02
Use-case	Search for a Publication
Primary Actor	User
Goal in context	To view list of publication that match the search criteria
Preconditions	The application MUST be installed on the user's computer The application MUST be configured with a data source The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to search for publications based on the search criteria
Scenario	<ol style="list-style-type: none">1. User selects the content type as "Publication" in the search panel2. User enters the keyword in the search bar3. User clicks the "Search" button4. System displays all the publications matching the keyword along with the author names
Exceptions	<ol style="list-style-type: none">1. No results found. See use case 'UC14 – Zero search results'2. System fails to retrieve data: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC03
Use-case	Search for a Journal / Conference
Primary Actor	User
Goal in context	To view list of Journals / Conferences matches the search criteria
Preconditions	The application MUST be installed on the user's computer The application MUST be configured with a data source The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to search for Journals / Conferences based on the search criteria
Scenario	<ol style="list-style-type: none"> 1. User selects the content type as "Journal" or "Conference" in the search panel 2. User enters the keywords related to the Journal / Conference in the search bar 3. User clicks the "Search" button 4. System displays the list of relevant Journal / Conferences names that match the keywords
Exceptions	<ol style="list-style-type: none"> 1. No results found. See use case 'UC14 – Zero search results' 2. Application fails to retrieve data: Application has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC04
Use-case	View list of publications under a specific Conference / Journal
Primary Actor	User
Goal in context	To view list of publication that are published in a specific Conference / Journal
Preconditions	UC03 MUST be performed
Trigger	User wants to search for Journals or Conferences based on keywords
Scenario	<ol style="list-style-type: none"> 1. From the list of Conference / Journal displayed in UC03, User clicks on the specific Conference or Journal name. 2. System displays all the publications that are published within the selected Conference / Journal along with the author names
Exceptions	<ol style="list-style-type: none"> 1. No results found. See use case 'UC14 – Zero search results' 2. System fails to retrieve data: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC05
Use-case	Search for a specific author
Primary Actor	User
Goal in context	Retrieve a list of authors that meet the specific search criteria
Preconditions	The application MUST be installed on the user's computer The application MUST be configured with a data source The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to search for specific authors
Scenario	<ol style="list-style-type: none"> 1. User selects content type as "Author" 2. User enters the keywords related to the author's name in the search bar 3. User clicks on the "Search" button 4. System displays the list of authors whose names match the search keyword
Exceptions	<ol style="list-style-type: none"> 1. No results found. See use case 'UC14 – Zero search results' 2. System fails to retrieve data: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC06
Use-case	Search for similar authors
Primary Actor	User

Goal in context	Identify authors who have a similar profile to a given author
Preconditions	The application MUST be installed on the user's computer The application MUST be configured with a data source The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to search for authors who are similar to a particular author
Scenario	<ol style="list-style-type: none"> 1. User selects the content type as "Author" 2. User enters the name of the Author in Search bar 3. User select the "Similar to" filter from the filter menu 4. User clicks the "Search" button 5. System displays a list of authors who are similar to the given author. If there are more than one author with the given name, the results are grouped by the author name.
Exceptions	<ol style="list-style-type: none"> 1. No results found. See use case 'UC14 – Zero search results' 2. System fails to retrieve data: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC07
Use-case	View author details
Primary Actor	User
Goal in context	See the detailed information of a selected author
Preconditions	UC02 or UC04 of UC07 MUST be performed
Trigger	User wants to see the detailed information of a specific author
Scenario	<ol style="list-style-type: none"> 1. User clicks on the name of the author from the displayed search results 2. System displays the detailed information of the selected author such as his publications, his past roles as editor / PC and other authors who are similar to him.
Exceptions	<ol style="list-style-type: none"> 1. System fails to retrieve data: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC08
Use-case	Shortlist Author
Primary Actor	User
Goal in context	To add an Author to a shortlist so that an editor or program committee can be formed
Preconditions	UC07 MUST be performed
Trigger	User wants to shortlist a particular author
Scenario	<ol style="list-style-type: none"> 1. From the Author Details page, the User clicks on the "Shortlist" button. 2. System displays the list of available shortlists. 3. User clicks on the required list or creates a new shortlist by clicking on the "New" button and entering a name of the shortlist. 4. System adds the author to the selected shortlist.
Exceptions	<ol style="list-style-type: none"> 1. System fails to add Author to shortlist: System has encountered an error and an error code and message are displayed. See use case 'UC13 – Application Error'
Priority	High

Use-case ID	UC9
Use-case	View Shortlisted Authors
Primary Actor	User
Goal in context	To view the list of shortlisted authors
Preconditions	The application MUST be installed on the user's computer The application MUST be configured with a data source The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to view all shortlisted authors

Scenario	<ol style="list-style-type: none"> 1. User clicks on the “View Shortlist” button on the top navigation bar. 2. System displays the list of available shortlists. 3. User clicks on the required shortlist 4. System displays all the authors who have been added to that shortlist
Exceptions	1. System fails to retrieve shortlist: System has encountered an error and an error code and message are displayed. See use case ‘UC13 – Application Error’
Priority	High

Use-case ID	UC10
Use-case	View publication details
Primary Actor	User
Goal in context	View the details of a publication
Preconditions	UC02 or UC04 MUST be performed
Trigger	User wants to see the details of a specific publication from the search results
Scenario	<ol style="list-style-type: none"> 1. User clicks on the publication from the search results of UC02 or UC05 2. System displays the detailed information of the selected publication
Exceptions	1. System fails to retrieve publication: System has encountered an error and an error code and message are displayed. See use case ‘UC13 – Application Error’
Priority	High

Use-case ID	UC11
Use-case	Specify search filters
Primary Actor	User
Goal in context	To filter results based on some criteria
Preconditions	The application MUST be installed on the user’s computer The application MUST be configured with a data source The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to filter the search by specifying additional criteria
Scenario	<ol style="list-style-type: none"> 1. User selects content type from the search panel 2. System displays a list of available filters for the chosen content type 3. User selects one or more filters and enters the filter value for each filter 4. User clicks on the “Search” button 5. System displays the search results that match the given filter criteria
Exceptions	<ol style="list-style-type: none"> 1. No results found. See use case ‘UC14 – Zero search results’ 2. System fails to retrieve data: System has encountered an error and an error code and message are displayed. See use case ‘UC13 – Application Error’
Priority	High

Use-case ID	UC12
Use-case	Sort search results
Primary Actor	User
Goal in context	To sort results based on some criteria
Preconditions	One of UC02, UC03, UC04, UC05, UC06 MUST be performed
Trigger	User wants to sort the returned results based on some sort criteria
Scenario	<ol style="list-style-type: none"> 1. User chooses the sort criteria in the sort option menu 2. Systems displays the search results based on the selected sort criteria
Exceptions	1. System fails to sort data: System has encountered an error and an error code and message are displayed. See use case ‘UC13 – Application Error’
Priority	High

Use-case ID	UC13
Use-case	Application Exception
Primary Actor	User
Goal in context	The user has encountered an application error / exception
Preconditions	The application MUST be installed on the user's computer The application MUST be configured with at least one repository The application MUST be launched and the interface MUST be visible to the user
Trigger	User wants to resolve application exceptions
Scenario	<ol style="list-style-type: none"> 1. User encounters an application exception 2. The application provides an appropriate error code and a user-friendly message 3. User can attempt to resolve the issue by using the error code and referring to the user manual 4. User may contact the support team and provide the exact error code and message
Priority	High

Use-case ID	UC14
Use-case	Zero Search Results
Primary Actor	User
Goal in context	To understand reasons behind an empty search result
Preconditions	The application MUST be installed on the user's computer The application MUST be launched and the interface MUST be visible to the user
Trigger	User has encountered an empty search result for his search query
Scenario	<ol style="list-style-type: none"> 1. User enters a search query and the system displays an empty search result 2. User may check his search query for typographic errors 3. User may remove any search refinement criteria to broaden the search
Priority	Low