

# **Zoterad - Reference Management Software**

## **Use case Specification**

**Version <3.0>**

### Revision History

Date	Version	Description	Author
2022/10/21	V 01	First version which includes all the essentials of the use case requirement. It describes the actions the User can perform in the system.	Akezhan Issadilov, Arystan Kalmakhanov, Laura Sayaphommy (Monad)
2022/11/12	V 02	The following changes have been made: -IDs added -Description of requirements removed -Page breaks -Actors Description added -IDs added to Use case diagram -Verbs	Akezhan Issadilov, Arystan Kalmakhanov, Laura Sayaphommy (Monad)
2022/11/29	V 03	-Added Local Database Actor -Changed Server Database to Server -Changed Use Case Diagram	Akezhan Issadilov, Arystan Kalmakhanov, Laura Sayaphommy (Monad)

## **Use Case specification**

### **1. Use Case Model Overview**

#### **1.1 Brief Description**

The purpose of this use case specification is to describe the functionality of Zotero System. The use case specification is considered as an item of reasoning for developers and stakeholders. This document provides detailed information of the scenarios of the system, the flows of the system in different use cases. The use case describes how the user interacts with the system.

#### **1.2 Actors Description**

The Zotero User performs the actions in the Zotero system.  
The Server stores the information of the registered User.  
Local Database stores User's information locally.

#### **1.3 Use case Diagram**



## **2. [ID: UC1] Add items to library**

### **2.1 Description**

The use case describes how the user adds the new items into the library using the user interface of the system.

### **2.2 Actors Description**

Zotero User interacts with the system by adding a new item.

Local Database stores User's information locally.


### **2.3 Pre-conditions**

The user shall run the Zotero Desktop app.

### **2.4 Post-conditions**

The item shall be displayed in the user's library.

### **2.5 Trigger**

Zotero User shall press the "add item" button on the dashboard represented by  logo .

### **2.6 Basic Flow**

2.6.1 Zotero User selects the type of the item.

2.6.2 Zotero User fills the information about the item into the form.

2.6.3 Zotero User presses outside of the form.

2.6.4 The system saves the information about the item.

### **2.7 Extensions**

#### **2.7.1 First Alternative Flow**

2.7.1.1 Zotero User selects the type of the item.

2.7.1.2 Zotero User fills the name of the author with the big length of characters about the item into the form.

2.7.1.3 The system displays an error message which indicates that the name of the author is too long to perform synchronization.

### **2.8 Linked Requirements**

ID: FR1

### **3. [ID: UC2] Update item**

#### **3.1 Description**

The use case describes how the user updates the data of the existing items in the library.

#### **3.2 Actors Description**

Zotero User interacts with the system by adding items.

Local Database stores User's information locally.

#### **3.3 Pre-conditions**

An item shall be displayed in the library.

#### **3.4 Post-conditions**

The system shall update the information about the item.

#### **3.5 Trigger**

Zotero User presses on the item that is displayed in the list of the items.

#### **3.6 Basic Flow**

3.6.1 The system displays the information tab with editable fields.

3.6.2 Zotero User edits the information fields.

3.6.3 Zotero User presses outside of the form.

3.6.4 The system saves the information about the item.

#### **3.7 Extensions**

##### **3.7.1 First Alternative Flow**

3.7.1.1 The system displays the information tab with editable fields.

3.7.1.2 Zotero User edits the information fields with the data which has a big length of characters.

3.7.1.3 Zotero User presses outside of the form.

3.7.1.4 The system displays an error message which indicates that the name of the author is too long to perform synchronization.

#### **3.8 Linked Requirements**

ID: FR2

The system shall allow user to enter information manually for an item.

#### **4. [ID: UC3] Create new collection**

##### **4.1 Description**

Given use case illustrates how the user creates a new collection in the library.

##### **4.2 Actors Description**

Zotero User interacts with the system to create a new collection.

Local Database stores User's information locally.

##### **4.3 Pre-conditions**

The user shall run the Zotero Desktop app.

##### **4.4 Post-conditions**

The system shall create a new collection in the library.

##### **4.5 Trigger**

Zotero User right clicks on the "my library" button, then selects the "add new collection" button.

4.6 Basic Flow 4.6.1 The system prompts the user to fill the collection's name.

4.6.2 Zotero User fills the name of the collection.

4.6.3 Zotero User presses the "Ok" button.

4.6.4 The system creates the new collection and displays it in the list of the collections.

##### **4.7 Extensions**

4.7.1 First Alternative Flow 4.7.1.1 The system prompts the user to fill the collection's name.

4.7.1.2 Zotero User fills the name field with empty space. 4.7.1.3 The system creates a new collection with the name "Untitled".

##### **4.8 Linked Requirements**

ID: FR5

## **5. [ID: UC4] Delete items from library**

### **5.1 Description**

The use case depicts how the user deletes the desired items from the library.

### **5.2 Actors Description**

Zotero User interacts with the system by deleting items.

Local Database stores User's information locally.

### **5.3 Pre-conditions**

The user shall run the Zotero Desktop app.

An item shall be displayed in the list of the items.

### **5.4 Post-conditions**

The system shall delete an item from the list of the items.

The system shall display the deleted item in the trash folder.

### **5.5 Trigger**

Zotero User right clicks on the item and presses the "move the item to trash" button.

### **5.6 Basic Flow**

5.6.1 The system displays the popup window with the delete confirmation. 5.6.2 The Zotero User presses the "Ok" button.

5.6.3 The system deletes the item from the list of the items.

5.6.4 The system moves the item into the trash folder.

### **5.7 Extensions**

#### **5.7.1 First Alternative Flow**

5.7.1.1 The system displays the popup window with the delete confirmation. 5.7.1.2 The Zotero User presses the "Cancel" button.

5.7.1.3 The system closes the prompt window.

### **5.8 Linked Requirements**

ID: FR3



## **6. [ID: UC5] Delete collection**

### **6.1 Description**

The use case explains how the user deletes the desired collection from the library.

### **6.2 Actors Description**

Zotero User interacts with the system by deleting collection.

Local Database stores User's information locally.

### **6.3 Pre-condition**

The User shall run the Zotero Desktop app.

A collection shall be displayed in the list of the collections.

### **6.4 Post-conditions.**

The collection shall be deleted from the list of the collections.

### **6.5 Trigger**

User right clicks on the collection and selects the "delete collection" button.

### **6.6 Basic Flow**

6.6.1 The system displays the popup window with the delete confirmation.

6.6.2 The Zotero User presses the "Delete collection" button.

6.6.3 The system closes the pop up window then deletes the collection from the list of the collections.

### **6.7 Extensions**

#### **6.7.1 First Alternative Flow**

6.7.1.1 The system displays the popup window with the delete confirmation. 6.7.1.2

The Zotero User presses the "Cancel" button.

6.7.1.3 The system closes the popup window.

### **6.8 Linked Requirements**

ID: FR6

The system shall allow the user to delete collections.

## **7. [ID: UC6] Register**

### **7.1 Description**

The use case explains how the user can register the new account using the web-client of the system.

### **7.2 Actors Description**

Zotero User interacts with the system by completing the registering form.  
The Server stores User's credentials information.

### **7.3 Pre-conditions**

The user shall have no Zotero account with the same email.

### **7.4 Post-conditions**

The user shall be registered in the Zotero System.

### **7.5 Trigger**

The user clicks the "Register" button on the website.

The user

### **7.6 Basic Flow**

7.6.1 The Zotero User fills the sign-up form and hits the register button.

7.6.2 The system validates the input data.

7.6.3 The system creates a new user.

### **7.7 Extensions**

#### **7.7.1 First Alternative Flow**

7.7.1.1 The Zotero User fills the sign-up form and hits the register button.

7.7.1.2 The system validates the input data.

7.7.1.3 The system displays an error that the email is already registered in the system.

#### **7.7.2 Second Alternative Flow**

7.7.2.1 The Zotero User fills the sign-up form and hits the register button.

7.7.2.2 The system validates the input data.

7.7.2.3 The system displays an error that the username is already taken.

### **7.8 Linked Requirements**

ID: FR11

The system shall allow user to create profile and set credentials using email and password.

## **8. [ID: UC7] Login**

### **8.1 Description**

The use case describes how the user signs in the system using the web-client.

### **8.2 Actors Description**

The Zotero User interacts with the system by logging in.

The Server matches the credentials.

### **8.3 Pre-conditions**

The user shall be registered in the system.

### **8.4 Post-conditions**

The user shall be logged in the system.

### **8.5 Trigger**

The user clicks the login button.

### **8.6 Basic Flow**

8.6.1 The user fills the email and password fields in the login form.

8.6.2 The user presses the login button.

8.6.3 The system checks the credentials.

8.6.4 The system redirects the user to my library page.

### **8.7 Extensions**

#### **8.7.1 First Alternative Flow**

8.7.1.1 The user fills the email and password fields in the login form.

8.7.1.2 The user presses the login button.

8.7.1.3 The system checks the credentials.

8.7.1.4 The system displays an error message which indicates that the provided data is invalid.

### **8.8 Linked Requirements**

ID: FR13

## **9. [ID: UC8] Reset password**

### **9.1 Description**

The use case explains how the user utilizes the web-client of the system to reset the account's password.

### **9.2 Actors Description**

Zotero User interacts with the system by resetting password.

### **9.3 Pre-conditions**

The user shall be registered in the system.

### **9.4 Post-conditions**

The user account's password shall be updated.

### **9.5 Trigger**

The user presses the "Forgot password" button on the login page.

### **9.6 Basic Flow**

9.6.1 The user enters an email or username and presses the "Reset" button.

9.6.2 The system displays a success message. 9.6.3

The system sends an email to the user's email.

9.6.4 The user clicks the link provided in the mail.

9.6.5 The system displays the form for password recovery with two fields.

9.6.6 The user enters the new password and hits the "Submit" button.

9.6.7 The system displays a success message and renews the password of the user.

### **9.7 Extensions**

9.7.1 First Alternative Flow 9.7.1.1 The user enters an email or username and presses the "Reset" button.

9.7.1.2 The system displays an error message (wtf? there is no error message, you can write anything, and it will send email anyway)

### **9.8 Linked Requirements**

FR: 12

## **10. [ID: UC9] Use Advanced Search**

### **10.1 Description**

The use case depicts how the user interacts with the advanced search function. Advanced search function allows users to set precise filters.

### **10.2 Actors Description**

Zotero User interacts with the system by using Advanced Search.  
Local Database stores User's information locally.

### **10.3 Pre-conditions**

The user shall run the Zotero Desktop app.

### **10.4 Post-conditions**

The system shall display the results to the user.

### **10.5 Trigger**

The user presses the search button on the dashboard.

### **10.6 Basic Flow**

10.6.1 The system displays the pop-up window with advanced search filters. 10.6.2

The user sets the filtering information and presses the "Search" button.

10.6.3 The system displays the results in the list.

### **10.7 Extensions**

#### **10.7.1 First Alternative Flow**

10.7.1.1 The system displays the pop-up window with advanced search filters. 10.7.1.2

The user sets the filtering information and presses the "Search" button.

10.7.1.3 The system displays an empty list of the items.

### **10.8 Linked Requirements**

ID: FR8

## **11. [ID: UC10] Use Quick Search**

### **11.1 Description**

The use case explains how the user interacts with the quick search field on the dashboard. The quick search function allows users to search items by their names.

### **11.2 Actors Description**

Zotero User interacts with the system by using Quick Search.

Local Database stores User's information locally.

### **11.3 Pre-conditions**

The user shall run the Zotero Desktop app.

### **11.4 Post-conditions**

The system shall display the results of the search in the list of the items.

### **11.5 Trigger**

The user enters the name of the item into the search field.

### **11.6 Basic Flow**

11.6.1 The user enters the data into the search box.

11.6.2 The system displays the search result in the list of the items.

### **11.7 Extensions**

#### **11.7.1 First Alternative Flow**

11.7.1.1 The user enters the data into the search box.

11.7.1.2 The system displays an empty list of the items.

### **11.8 Linked Requirements**

ID: FR7

## **12. [D: UC11] Add items to library automatically**

### 12.1 Description

This use case explains how the user can add an item and its metadata automatically by just entering an ID.

### 12.2 Actors Description

Zotero User interacts with the system by adding items automatically.  
Local Database stores User's information locally.


### 12.3 Pre-conditions

The user shall run the Zotero Desktop app.

### 12.4 Post-conditions

The system shall add the item and its metadata.

### 12.5 Trigger

The user clicks the Magic wand button on the dashboard .

### 12.6 Basic Flow

12.6.1 The user input the ID into the text field.

12.6.2 The system automatically searches for the item and add it to the library along with its metadata

### 12.7 Extensions

#### 12.7.1 First Alternative Flow

12.7.1.1 The user enters a wrong ID.

12.7.1.2 The system displays an error message.

### 12.8 Linked Requirements

ID: FR9

### **13. [ID: UC12] Generate citations**

#### 13.1 Description

This use case explains how the user can insert citations into their document.

#### 13.2 Actors Description

Zotero User interacts with the system by generating citations.

The Local Database invokes the User's information.

#### 13.3 Pre-conditions

The user shall download the Zotero plugin.

The user shall use Google Docs or Word.

#### 13.4 Post-conditions

The system shall insert citation into the document.

#### 13.5 Trigger

The user clicks the Zotero tab on his text editor and selects add citation.

#### 13.6 Basic Flow

13.6.1 The user selects his citation style.

13.6.2 The user enters information into the search box.

13.6.3 The system fetches the corresponding data and displays a selection list.

13.6.4 The user selects the citation.

13.6.5 The system generates the citation and inserts it into the word processor.

#### 13.7 Extensions

##### 13.7.1 First Alternative Flow

13.7.1.1 The user enters words that don't match any items.

13.7.1.2 The system does not display the selection list.

#### 13.8 Linked Requirements

ID: FR10



## 14. [ID: UC13] Sync library

### 14.1 Description

This use case explains how the user can sync libraries across multiple computers.

### 14.2 Actors Description

Zotero User interacts with the system by syncing library.

The Server fetches the User's data.

### 14.3 Pre-conditions

The user shall run the Zotero Desktop app.

The user shall be logged in.

### 14.4 Post-conditions

The system shall display user's library

### 14.5 Trigger

The user clicks sync button on the dashboard .

### 14.6 Basic Flow

14.6.1 The user input his credentials.

14.6.2 The system fetches the user's data from the server and syncs in the Zotero app.

### 14.7 Extensions

#### 14.7.1 First Alternative Flow

14.7.1.1 The user inputs wrong credentials.

14.7.1.2 The system displays an error message.

### 14.8 Linked Requirements

ID : FR15