Use Case Description

## Administrator

| **Name:** Log in  **ID:** A1 |
| --- |
| **Description:** The administrator logs in the application to be able to access all the features of the app. |
| **Actors:** Administrator. |
| **Precondition:** The admin user has to be registered in the admin table, inserted by the admin of it. |
| **Normal Steps:**   1. The administrator enters his username and password. 2. The app validates the inserted data. |
| **Postcondition:** The administrator is logged in the application and can see different options (“Insert Author”, “Insert Book”, “Find Book”, “Find Member”). |
| **Alternative Steps:**  2.1. The inserted data doesn’t match the information of any user administrator of the database.  2.2. The system reports the error to the user.  2.3. End of the use case. |

| **Name:** Insert Author  **ID:** A2 |
| --- |
| **Description:** The administrator inserts a new book author. |
| **Actors:** Administrator. |
| **Precondition:** The admin needs to be logged in the application. |
| **Normal Steps:**   1. The admin selects the option for inserting a new author into the system. 2. The system asks the author’s code, name, surname, birth date and death date. 3. The administrator inserts this info. 4. The system validates the data. |
| **Postcondition:** The new author is saved in the system. |
| **Alternative Steps:**  4.1. The author is already saved in the table.  4.2. The system reports the error to the user.  4.3. End of the use case. |

| **Name:** Insert Book  **ID:** A3 |
| --- |
| **Description:** The administrator inserts a new book into the book database. |
| **Actors:** Administrator. |
| **Precondition:** It is obligatory for the administrator to be logged in the application and to have pressed the “Insert Book” option. |
| **Normal Steps:**   1. The admin chooses a genre for the book. 2. The admin chooses an author for the book. 3. The admin inserts the book's other attributes. 4. The system validates the information. 5. The system saves the book. |
| **Postcondition:** The new book is added to the books’ database with its genre and author (and ISBN, etc.) |
| **Alternative Steps:**  2.1. The author is not registered.  2.2. The admin inserts a new author.  4.1. The book is already saved on the table.  4.2. The system reports the error to the user.  4.3. End of use case. |

| **Name:** Find Book  **ID:** A4 |
| --- |
| **Description:** The administrator finds a/some book/s by its ISBN, genre… |
| **Actors:** Administrator. |
| **Precondition:** The administrator needs to be logged in the app. |
| **Normal Steps:**   1. The admin selects the option for finding books. 2. The system asks the admin to specify the ISBN, title, author, genre and offer (S/N). 3. The administrator inserts the search criteria. 4. The system looks for books and shows the ones that meet the criteria. |
| **Postcondition:** The books are shown on the screen and the administrator can modify or delete them. If there are no books that meet the inserted criteria, no books will be shown. |
| **Alternative Steps:** |

| **Name:** Find Member  **ID:** A5 |
| --- |
| **Description:** The admin decides to look for members of the library to see their profile and have the possibility to delete them. |
| **Actors:** Administrator. |
| **Precondition:** The administrator must be logged into the library application. |
| **Normal Steps:**   1. The admin selects the option “Find Member”. 2. The system requests the criteria to find members (name, preferences…). 3. The administrator inserts the criteria. 4. The system processes the criteria and shows members. |
| **Postcondition:** The admin is able to see a list of the members that comply with the specified criteria. If there are no members that meet the criteria, no members will be visible for the admin. |
| **Alternative Steps:** |

| **Name:** Modify Book  **ID:** A6 |
| --- |
| **Description:** The administrator wants to alter the data of a book (title, description, editorial, date of publication, price, offer, discount, stock). |
| **Actors:** Administrator. |
| **Precondition:** Once logged in, the admin has found a specific book and selected it to modify it. |
| **Normal Steps:**   1. The administrator clicks the option “Modify Book”. 2. The administrator changes the data. 3. The system saves the changes. |
| **Postcondition:** The new data of a particular book is saved in the system. |
| **Alternative Steps:** |

| **Name:** Delete Book  **ID:** A7 |
| --- |
| **Description:** In this use case, the admin’s objective is to delete a specific book from the database. |
| **Actors:** Administrator. |
| **Precondition:** The admins logs in, searches for the book and selects it. |
| **Normal Steps:**   1. The admin presses on “Delete Book”. 2. The system shows a warning message asking the admin if he/she is sure about his/her decision. 3. The admin confirms. |
| **Postcondition:** The book is deleted from the books’ database. |
| **Alternative Steps:**  3.1. The admin declines.  3.2. End of the use case. |

| **Name:** Drop Member  **ID:** A8 |
| --- |
| **Description:** The admin decides to delete the account of a specific partner from the database. |
| **Actors:** Administrator. |
| **Precondition:** The admin has to search the member on the database and select it. |
| **Normal Steps:**   1. The admin selects the option of deleting a member. 2. The system shows a pop-up window asking if he/she is sure about this. 3. He/she confirms the decision. |
| **Postcondition:** The system proceeds to delete the account from the database. |
| **Alternative Steps:**  3.1. The admin decides to decline the warning message.  3.3. End of the use case. |

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## 2. Member

| **Name:** Sign Up  **ID:** M1 |
| --- |
| **Description:** A person signs up in the app and becomes a member. |
| **Actors:** Member. |
| **Precondition:** The member needs to have the application downloaded in his/her device. |
| **Normal Steps:**   1. The member enters in the app and clicks the “Sign Up” option. 2. The system asks him/her to introduce name, telephone, e-mail…. 3. The user introduces the data. 4. The system validates the personal information. |
| **Postcondition:** The user can now log in the app of the library. |
| **Alternative Steps:**  4.1. The system finds errors (e-mail format is wrong, too short password…).  4.2. The system shows an error window to the user.  4.3. End of the use case. |

| **Name:** Log In  **ID:** M2 |
| --- |
| **Description:** The member logs in the app. |
| **Actors:** Member. |
| **Precondition:** The user has to be registered previously. |
| **Normal Steps:**   1. The member opens the app. 2. To do the login, the system asks the member his/her username and password. 3. The member introduces the data in these two fields. 4. The system validates it. |
| **Postcondition:** The member is logged in and can see the option of the member’s main menu (“Check Shopping Cart”, “Find Book”, “View Profile”). |
| **Alternative Steps:**  4.1. The inserted info isn’t valid.  4.2. The system prints an error message.  4.3. End of the use case. |

| **Name:** Check Shopping Cart  **ID:** M3 |
| --- |
| **Description:** The member checks the list of all the books that he/she has on his/her shopping basket. |
| **Actors:** Member. |
| **Precondition:** The member logs in. |
| **Normal Steps:**   1. The member clicks on “Check Shopping Cart”. 2. The systems shows his/her shopping cart. |
| **Postcondition:** The member sees his/her shopping cart with all its books and has the possibility to clean the cart or buy the books. |
| **Alternative Steps:** |

| **Name:** Find Book  **ID:** M4 |
| --- |
| **Description:** The member introduces some characteristic data from a book so the system can search for the books that meet these specifications. |
| **Actors:** Member. |
| **Precondition:** The member is logged in the application. |
| **Normal Steps:**   1. The member selects the option for finding books in the database. 2. The system asks for some requisites (ISBN, title, author…). 3. The member inserts one of these (and whether it is on offer or not). 4. The system searches in the database all the books that meet these criteria. 5. The system shows the results in the screen. |
| **Postcondition:** The system shows the books with the inserted specified requirements. The user can select one of the books and add it to the shopping cart. |
| **Alternative Steps:**  2.1. The member doesn’t specify the criteria and presses the “Search” button  2.2. The system shows an error message.  5.1. The system didn’t find any book with this criteria.  5.2. The system displays a message informing oh this.  5.2. End of the use case. |

| **Name:** View Profile  **ID:** M5 |
| --- |
| **Description:** The member reviews his/her profile with all its data. |
| **Actors:** Member. |
| **Precondition:** The member must be logged in the application. |
| **Normal Steps:**  1. The member selects the option called “View My Profile” in the main menu. |
| **Postcondition:** The system shows the personal profile of the member and now he/she can modify some of the data, check his/her purchases or even delete the account. |
| **Alternative Steps:** |

| **Name:** Clean Shopping Cart  **ID:** M6 |
| --- |
| **Description:** By clicking on “Clean Shopping Cart”, the partner can remove all the books that he/she has on the shipping basket. |
| **Actors:** Member. |
| **Precondition:** The member is logged in and has pressed on the “Check Shopping Cart” button on the main menu. |
| **Normal Steps:**   1. The member clicks with the mouse on the “Clean Shopping Basket” button. 2. The system asks the user if he/she is sure of his/her decision via a pop-up window. 3. He/she presses on “Yes”. |
| **Postcondition:** The system proceeds to delete all the books that are saved on the shopping cart of this member. |
| **Alternative Steps:**  3.1. The member declines.  3.2. End of the use case. |

| **Name:** Buy Books  **ID:** M7 |
| --- |
| **Description:** In this case, the users can purchase a book or a group of books that they have in their shopping basket. |
| **Actors:** Member. |
| **Precondition:** The member checks his/her shopping cart. |
| **Normal Steps:**   1. The member selects “Buy Books”. 2. The system asks the member if he/she is sure about the purchase. 3. The member confirms. |
| **Postcondition:** The purchase is done and the application shows a receipt of the purchase and the general data of the book, as well as a message along the lines of “Successful purchase. You can check the details of it in the purchase section”. The receipt is going to be recorded in the corresponding database. |
| **Alternative Steps:**  3.1. The member retracts and decides that he doesn’t want to buy any book at this moment.  3.2. End of the use case. |

| **Name:** Add to Basket  **ID:** M8 |
| --- |
| **Description:** The member adds a book to his/her shopping cart. |
| **Actors:** Member. |
| **Precondition:** The member must find a specific book and select it. |
| **Normal Steps:**   1. Once a book is selected by the user, he presses on “Add Book to Shopping Cart”. |
| **Postcondition:** The system adds the book to the shopping cart of the partner. |
| **Alternative Steps:** |

| **Name:** Modify Profile  **ID:** M9 |
| --- |
| **Description:** The member can modify all the data of his/her profile except the username. |
| **Actors:** Member. |
| **Precondition:** The member needs to be logged in and must have selected the option “View Profile” previously. |
| **Normal Steps:**   1. The member selects “Modify My Profile”. 2. The system allows the member to change the data (except for the username) 3. The member alters the data. 4. The system validates it and saves the changes. |
| **Postcondition:** All the new data replaces the old in the profile. |
| **Alternative Steps:** |

| **Name:** Delete Account  **ID:** M10 |
| --- |
| **Description:** In this use case, the member deletes his/her account from the system. |
| **Actors:** Member. |
| **Precondition:** The member is logged in and has clicked the “View Profile” button. Now he/she can press on “Delete Account”. |
| **Normal Steps:**   1. The member selects the option for deleting the account. 2. The system asks the member if he/she is sure about his/her decision. 3. The member confirms his/her decision. |
| **Postcondition:** The account is completely deleted from the system. |
| **Alternative Steps:**  3.1 The admin decides to decline the warning message.  3.2. The system cancels the deleting process.  3.3. End of the use case. |

| **Name:** Check Purchases  **ID:** M11 |
| --- |
| **Description:** This option lets the members check all the purchases they have made. |
| **Actors:** Member. |
| **Precondition:** The user has to be signed in and have pressed on the “Check Shopping Cart” or “View My Profile” options. |
| **Normal Steps:**   1. Being in the Shopping Cart or the Personal Profile, the user selects the “Check Purchases” feature. 2. The system searches in the database for all the purchases the user has done. |
| **Postcondition:** The system prints the results of the research. |
| **Alternative Steps:** |