Use Cases

for

Library Management System

Version 2.1.1 approved

Prepared by Group 4

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Revision History

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| **Name** | **Date** | **Reason For Changes** | **Version** |
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The various user classes identified the following primary actors and use cases for the Cafeteria Ordering System:

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| Primary Actor | Use Cases |
| Librarian | 1. Issued a book to the member. 2. View category of book 3. Check out book 4. Add book 5. Edit book 6. Search a book |
| Member (user, student) | 1. View category of book 2. View list of books depend on category 3. Own an account 4. View book issued 5. Request for a new book 6. View history of issued books 7. Search a book |

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| ID and Name: | **Uc-01 Registration** | | |
| Created By: | Doanhtqse140876 | Date Created: | 26May,2021 |
| Primary Actor: | Member | Secondary Actors: | N/A |
| Description: | This feature allows member to sign up a new account (to able to login to library books system) | | |
| Trigger: | Member request to sign up new account in library books system. | | |
| Preconditions: | N/A | | |
| Post-conditions: | Member successful registered an account. | | |
| Normal Flow: | 1. Member click “sign up” button on screen . 2. library books system requires information from member:  * Input: Detail about the user (at least username and password, mail, address). * Username: “text input, blank, required” . * Password: “text input , blank, required”. * Mail: “text input, blank, required”. * Address: “text input, blank, required ”.  1. Member will input to sign up form: username. Password and other information. 2. Member click “sign up” button. 3. System will check data validate 4. library books system will show information detail and account is registered. | | |
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| Alternative Flows: | N/A | | |
| Exceptions: | When member Input blank or special characters will result in an error message. | | |
| Priority: | High | | |
| Business Rules: | * Username must be a string from 4 to 20 characters (not include special character). * Password must be a string from 6 to 12 characters (not include special character). * Mail must be a string blow 50 characters (not include special character). * Address must be a string blow 1000 characters (not include special character) | | |
| Other Information: | N/A | | |

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| ID and Name: | **UC-02 add book** | | |
| Created By: | Doanhtqse140876 | Date Created: | 26 May, 20121 |
| Primary Actor: | Librarian | Secondary Actors: | N/A |
| Description: | This feature allows Librarian add book in system. | | |
| Post-conditions: | Librarian add successful book in system. | | |
| Normal Flow: | 1. Librarian click “add to list ” button on screen . 2. library books system requires information from Books:  * name: “text input, blank, required” . * author: “text input , blank, required”. * edition: “text input, blank, required”. * quantity: “text input, blank, required ”.  1. Librarian will input to add book flow information: name,author, edition, quantity. 2. Librarian click “add to list” button. 3. System will check data validate 4. library books system will show information detail and show add successful book to list. | | |
| Exception | * If librarian enter blank for details such as name, author, edition, quantity then there will be an error message. | | |
| Priority: | High | | |
| Business Rules: | the bookID must follow the format AA000 (AA is alphabet, 000 is integer). | | |
| Other Information: | N/A | | |

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| ID and Name: | **Uc-03 Edit book** | | |
| Created By: | Doanhtqse140876 | Date Created: | 26May,2021 |
| Primary Actor: | Librarian | Secondary Actors: | N/A |
| Description: | This feature allows librarians modifies information about book as”Name,author, quantity” a new account (to able to view book in the library books system) | | |
| Preconditions: | N/A | | |
| Post-conditions: | Librarian edit book successful into library system. | | |
| Normal Flow: | 1. Librarian click “Edit” button on screen . 2. library books system requires information from books want modified:  * Input: Enter the name, Id of the book on the text box and click on that book, then the details that you want to edit. * the system will require librarian input data: * BookID . * Name of book. * author. * quantity * Address: “text input, blank, required ”.  1. Librarian will input data of book want modified 2. Librarian click “edit” button. 3. System will check data validate 4. library books system will show information update the list books is successfully . | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Business Rules: | * BookID must be a string 10 characters (not include special character). * Name of the book must be a string from 20 to 40 characters (not include special character). * author must be a string blow 20 characters (not include special character). * quantity must be a string blow 10 characters (not include special character) | | |
| Other Information: | N/A | | |