Group01

Used Book Sharing System
Use-Case Specification:
Used Book Sharing System Use-cases

Version 2.3

Revision History

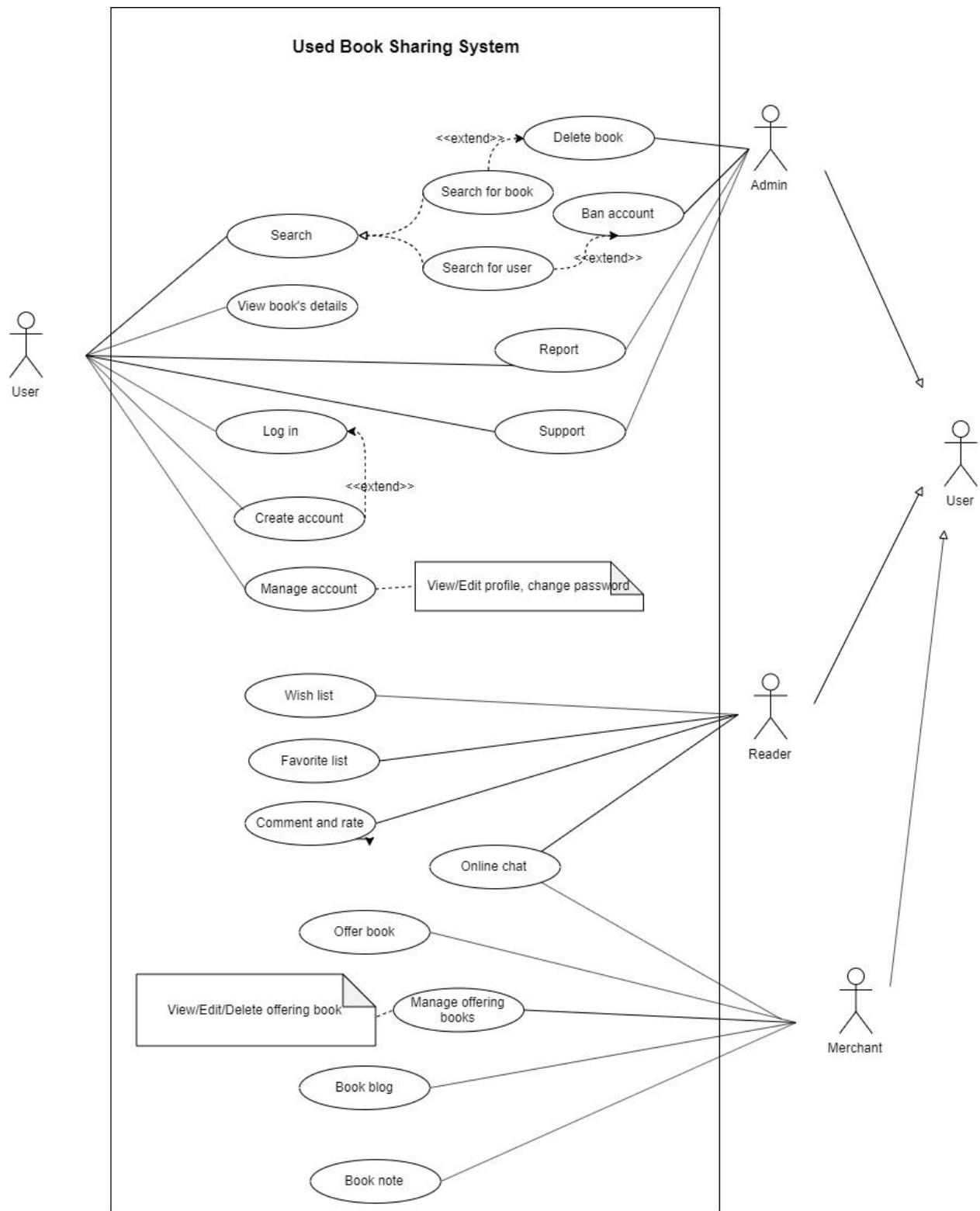| Date	Version	Description	Author
12/11/2019	1.0	Initial version	Bui Quang Thang
13/11/2019	1.1	Fill Offer book Fill View offering books Fill edit offering book Add Use-case diagram	Bui Quang Thang
13/11/2019	1.2	Add Login, Logout, Create account Use-Case Specification	Dang Duc Trung
13/11/2019	1.3	Edit Use-Case Diagram	Dang Duc Trung
14/11/2019	1.4	Fill Delete offering book	Bui Quang Thang
14/11/2019	1.5	Fill Comment on book Fill Rate book Edit Use-case diagram	Bui Quang Thang
15/11/2019	1.6	Add Special Requirement for all Use-Cases	Dang Duc Trung
15/11/2019	1.7	Edit Use-Case Diagram	Tran Thuan Thanh
16/11/2019	1.8	Edit Use-Case Model and Use Case specifications	Dang Duc Trung
16/11/2019	1.9	Edit Use-case Diagram	Tran Thuan Thanh
16/11/2019	2.0	Add Ban User, Delete post use-case specifications Edit Use-case diagram	Bui Quang Thang
17/11/2019	2.1	Review and clear & align text	Bui Quang Thang
24/11/2019	2.2	Edit Modal & specification Add: report, wish list, favorite list, view profile, edit profile, change password	Bui Quang Thang
27/11/2019	2.3	Update model & specifications: Book blog, Online chat, Book note, Support system,	Bui Quang Thang

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1. Use-case Model

2. Use-case Specifications

2.1 Use-case: User Login

Use case Name	Login
Brief description	This use case describes how the User login into book sharing website.
Actors	Reader/Merchant/Administrator
Basic Flow	1. At the homepage, the user choose icon avatar to enter login screen 2. User enter username and password into corresponding fields 3. User click Login button 4. System check information and return successful login result. 5. User back to home page with username next to icon avatar.
Alternative Flows	**Alternative flow 1: User forgot password** 1. User click forgot password below password field. 2. User enter verified information to reset password. **Alternative flow 2: User enter wrong username or password** 1. System notice username/password invalid 2. System suggest user provide username/password again **Alternative flow 3: User haven't account yet** 1. User click Sign up 2. User switch to create account screen 3. User enter information to create account 4. System check information and create account for user.
Pre-conditions	User return to homepage
Post-conditions	Reader successful login into system to comment or vote for merchant. Merchant successful login into system to upload book. Administrator successful login into system to manage all account and keep website don't have illegal action.
Special Requirement	Can use more than 1 way to login (Website's account, facebook account, gmail account).

2.2 Use-case: Create new account

Use case Name	Create new account
Brief description	This use case describes how the user create account.
Actors	Reader/Merchant/Administrator
Basic Flow	1. At the homepage, the user choose icon avatar to enter login screen 2. User click Sign up to create account 3. User enter create account screen. 4. User provide information for system. 5. System check information to verify account. 6. System return successful respond for user. 7. Return to homepage with account logged in
Alternative Flows	**Alternative flow 1: User provide invalid information** 1. System return invalid notification. 2. System ask user provide information again.
Pre-conditions	User haven't account yet.

Post-conditions	User have verified account can login into system. Reader can use this account to comment or vote for merchant. Merchant can use this account to upload book. Administrator with responding account can manage website.
Special Requirement	System verify information don't take more than 2 minutes. User can use account immediately.

2.3 Use-case: Search for book

Use case Name	Search for book
Brief description	This use case describes how the user searches for a book.
Actors	Reader/Merchant/Administrator
Basic Flow	1. User inputs book information in search field. 2. User selects 'Search' 3. System shows a list of books which related to the search key.
Alternative Flows	3a. There is not any book related 1. System shows an empty list.
Pre-conditions	none
Post-conditions	An empty list or a list with at least 1 book is showed in the user's screen.
Special Requirement	System response time must less than 1 minutes.

2.4 Use-case: View book's details

Use case Name	View book's details
Brief description	This use case describes how the user view a book's information.
Actors	Reader/Merchant/Administrator
Basic Flow	4. In the list returned from searching, User clicks on a book. 5. System shows a page with chosen book's information.
Alternative Flows	none
Pre-conditions	User has a list of books.
Post-conditions	New page about the chosen book must be showed up.
Special Requirement	System response time must less than 1 minutes.

2.5 Use-case: Post comment

Use case Name	Post comment
Brief description	This use case describes how the User can comment on a book.
Actors	Seller, Reader, Administrator

Basic Flow	1. User type comments in the comment section of a book. 2. User type public name in the name box or leave it empty. 3. User select 'Post' 4. System updates comments on that book. 5. System notifies user about successful comment.
Alternative Flows	none
Pre-conditions	User have to be viewing book's details.
Post-conditions	A comment is added to the book's comment section.
Special Requirements	none

2.6 Use-case: Rate book

Use case Name	Rate book
Brief description	This use case describes how the User can rate a book.
Actors	Seller, Reader, Administrator
Basic Flow	1. User selects a grade for a book in the Rate section. 2. System updates rate point for that book. 3. System notifies user about successful rating.
Alternative Flows	None
Pre-conditions	- User have to log in successfully. - User have to be viewing book's details.
Post-conditions	Rate point is updated for that book.
Special Requirements	Rate action must be simple such as 1-step action.

2.7 Use-case: Offer book

Use case Name	Offer book
Brief description	This use case describes how the Seller can offer a book.
Actors	Seller
Basic Flow	6. User selects 'Offer book' from web page. 7. System displays a form in where there are some information required. 8. User fills out the form and then selects 'offer'

	9. System adds new offering book to user's offering book list. 10. System notifies user about successful uploading.
Alternative Flows	3a. User doesn't fill all required sections. 　　　3a.1 System informs user about sections required. 　　　3a.2 Return to step #3 4a. There is already the same offering book in user's offering book list. 　　　4a.1 Increase quantity of the existing offering book. 　　　4a.2 Go to step #5
Pre-conditions	User is required to have an account and log in successfully.
Post-conditions	The user successfully adds new offering book to the offering list or increases quantity of the existing item in the cart.
Special Requirements	- User must accept User Book Sharing System's policy. - System's response time must be less than 1 minute.

2.8 Use-case: View offering books

Use case Name	View offering books
Brief description	This use case describes how the Seller can view his/her offering books.
Actors	Seller
Basic Flow	4. User selects 'Offering book list' from web page. 5. System displays list of offering books which user uploaded and quantity of books in list.
Alternative Flows	2a. There is not any offering book in list. 　　　2a.1 System shows caption about empty.
Pre-conditions	User is required to have an account and log in successfully.
Post-conditions	A list of offering books displayed in user's screen.
Special Requirements	System's response time must be less than 1 minute.

2.9 Use-case: Edit offering book

Use case Name	Edit offering book
Brief description	This use case describes how the Seller can edit his/her offering book.
Actors	Seller
Basic Flow	1. User selects 'Edit' below a book in the offering book list.

	2. System displays a form in where there are current information of that book.
	3. User modifies information and select 'Save'.
	4. System updates information of that offering book.
	5. System notifies user about successful editing.
Alternative Flows	3a. User doesn't fill all required sections.
	3a.1 System informs user about sections required.
	3a.2 Return to step #3
Pre-conditions	- User is required to have an account and log in successfully.
	- User has at least 1 offering book.
Post-conditions	The user successfully edits information of an offering book.
Special Requirements	- System's response time must be less than 1 minute.

2.10 Use-case: Delete offering book

Use case Name	Delete offering book
Brief description	This use case describes how the Seller can delete his/her offering book.
Actors	Seller
Basic Flow	1. User selects 'Delete' below a book in the offering book list.
	2. User verifies deleting.
	3. System deletes that offering book.
	4. System notifies user about successful deleting.
Alternative Flows	none
Pre-conditions	- User is required to have an account and log in successfully.
	- User has at least 1 offering book.
Post-conditions	An offering book or multiples offering books which are the same type is/are completely deleted from user's book list.
Special Requirements	System's response time must be less than 1 minute.

2.11 Use-case: Ban User

Use case Name	Ban User
Brief description	This use case describes how the Admin bans an user.
Actors	Administrator

Basic Flow	1. Admin selects 'Ban user' feature and inputs user's id.
	2. Or Admin selects search to find user first before input user's id.
	3. Admin select 'Ban'
	4. System asks Admin to ensure to ban user.
	5. Admin agrees
	6. System checks if user can be banned.
	7. System bans user and updates database .
	8. System notifies Admin about successful deleting.
Alternative Flows	5a. Admin cancel
	5a.1 finish operation.
	6a. User not found or user is not be banned.
	9a.1 System notifies Admin about failed deleting.
Pre-conditions	None
Post-conditions	An user is banned.
Special Requirement	System must send to banned user's email about being banned.

2.12 Use-case: Delete book

Use case Name	Delete book
Brief description	This use case describes how the Admin deletes any offering book.
Actors	Administrator
Basic Flow	1. Admin selects 'Delete book' feature and inputs book's id.
	2. Or Admin selects search to find book first before input book's id.
	3. Admin select 'Delete'
	4. System asks Admin to ensure to delete book.
	5. Admin agrees
	6. System checks if the book can be deleted
	7. System process and update database
	8. System notifies Admin to verify about successful deleting.
Alternative Flows	5a. Admin cancel
	5a.1 finish operation.
	6a. User not found or user is not be banned.
	9a.1 System notifies Admin about failed deleting.
Pre-conditions	None
Post-conditions	An book is deleted permanently.
Special Requirement	System must send to banned user's email about deleting book.

2.13 Use-case: Report

Use case Name	Report
Brief description	This use case describes how the Reader reports book or seller to Admin.
Actors	Reader, Administrator

Basic Flow	1. Reader selects 'Report' at the book details screen 2. Reader selects topic and write description about bad things. 3. Reader sends report to system admin. 4. Admin receives report and checks. 5. Admin takes action and send response message to reader.
Alternative Flows	none
Pre-conditions	Reader must log in successfully.
Post-conditions	Message about action from Admin is sent to reader.
Special Requirement	none

2.14 Use-case: Wish list

Use case Name	Wish list
Brief description	This use case describes how the User registers for a book.
Actors	User
Basic Flow	1. User selects 'Wish list' and add information about desired book. 2. System checks and notifies user when the desired book is available.
Alternative Flows	2a Not any book for a long time 2a.1 Systems informs user about wish book time out.
Pre-conditions	User must have an account and log in successfully.
Post-conditions	User receives notification about available desired book.
Special Requirement	Notification should contain link to the available book.

2.15 Use-case: Favorite list

Use case Name	Favorite list
Brief description	This use case describes how the User add a book to favorite list.
Actors	User
Basic Flow	1. User select 'add to favorite' at the book details screen. 2. System updates book to user's favorite list. 3. User go to Favorite list to view list of favorite books.
Alternative Flows	none
Pre-conditions	User must have an account and log in successfully.
Post-conditions	A book is added to user's Favorite list.
Special Requirement	None

2.16 Use-case: View account profile

Use case Name	View account profile
Brief description	This use case describes how the User views his/her profile.
Actors	User
Basic Flow	1. User selects 'view profile' 2. System sends user's profile to user.
Alternative Flows	none
Pre-conditions	User must have an account and log in successfully.
Post-conditions	A profile form is showed in the user's screen.
Special Requirement	None

2.17 Use-case: Edit account profile

Use case Name	Edit account profile
Brief description	This use case describes how the User edits his/her profile.
Actors	User
Basic Flow	1. User selects 'edit profile' 2. System sends profile form to user. 3. User edits form and save information. 4. System update user's profile.
Alternative Flows	4a. User leaves critical information empty 　　4a.1 System informs user about missing information and doesn't update user's profile.
Pre-conditions	User must have an account and log in successfully.
Post-conditions	An edited profile is showed in the user's screen.
Special Requirement	None

2.18 Use-case: Change password

Use case Name	Change password
Brief description	This use case describes how the User changes his/her account's password.
Actors	User
Basic Flow	1. User selects 'change password' 2. User fills in old password and new password. 3. User requests 'change' to system. 4. System checks and responds to user about successful password changing.
Alternative Flows	4a. User wrong verifying new password. 　　4a.1 System informs user about wrong password and doesn't update user's profile. 4b User wrong old password

	4b.1 System informs user about wrong old password and doesn't update user's profile.
Pre-conditions	User must have an account and log in successfully.
Post-conditions	New password was assigned to user's account.
Special Requirement	An email must be sent to user's mail box to notify her/him about password change before really assign new password to user's account.

2.19 Use-case: Book blog

Use case Name	Book blog
Brief description	This use case describes how the Seller creates book introducing blog for an offering book.
Actors	Seller
Basic Flow	1. Seller goes to details of an offering book and select 'add blog'. 2. Seller writes blog and click 'save' 3. System updates book blog for that selected book and show notifications about success updating.
Alternative Flows	None
Pre-conditions	User must have an account and log in successfully. User must have at least 1 offering book.
Post-conditions	The selected offering book is updated with an introducing blog.
Special Requirement	Blog editor must support various text format, insert link, image, icon.

2.20 Use-case: Book note

Use case Name	Book note
Brief description	This use case describes how the Seller writes note for an offering book. Book note may includes the way for reader gets the book.
Actors	Seller
Basic Flow	1. Seller goes to details of an offering book and select 'add/edit note'. 2. Seller writes note and click 'save' 3. System updates note for that selected book and show notifications about success updating.
Alternative Flows	none
Pre-conditions	User must have an account and log in successfully. User must have at least 1 offering book.
Post-conditions	The selected offering book is updated with new note.
Special Requirement	Note editor must support only plain text without link, image or icon, etc…

2.21 Use-case: Online chat

Use case Name	Online chat
Brief description	This use case describes how the Reader makes a direct conversation with Seller.
Actors	Reader, Seller
Basic Flow	1. Reader go to a book details and select 'chat to seller' 2. A chat box appears 3. Reader writes message and select 'send' 4. System redirects message to Seller. 5. Seller writes reply message and select 'send' 6. System returns message to Reader. 7. Reader closes chat box to finish conversation.
Alternative Flows	7a. Reader is not satisfied 7a.1 return to step #3
Pre-conditions	Seller and Reader must have an account and log in successfully.
Post-conditions	Reader had an online chat with seller.
Special Requirement	None.

2.22 Use-case: System Support

Use case Name	System support
Brief description	This use case describes how the User gets support from system Admin.
Actors	User (Reader, Seller) , Admin
Basic Flow	1. User selects 'support' from menu. 2. User waits for an available Admin. 3. System informs User about available Admin and starts conversation between two ones. 4. User sends question. 5. Admin replies with answer. 6. User is satisfied and close conversation.

Alternative Flows	3a. No available Admin
	    3a.1 System informs user about failing to find admin.
	6a. User haven't been satisfied
	    6a.1 returns step #4

Pre-conditions	User must have an account and log in successfully.
Post-conditions	Reader gets appropriate instructions from system admin.
Special Requirement	Response time for search admin is less than 1 minutes. Maximum serve time for a user is less than 10 minutes.