GROUP 14

BOOKEE
Use-Case Specification

Version 1.0

Revision History

Date	Version	Description	Author
13/11/2023	1.0	First version with the information we have at sprint 2	All team

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Use-Case Specification

1. Use-case Model
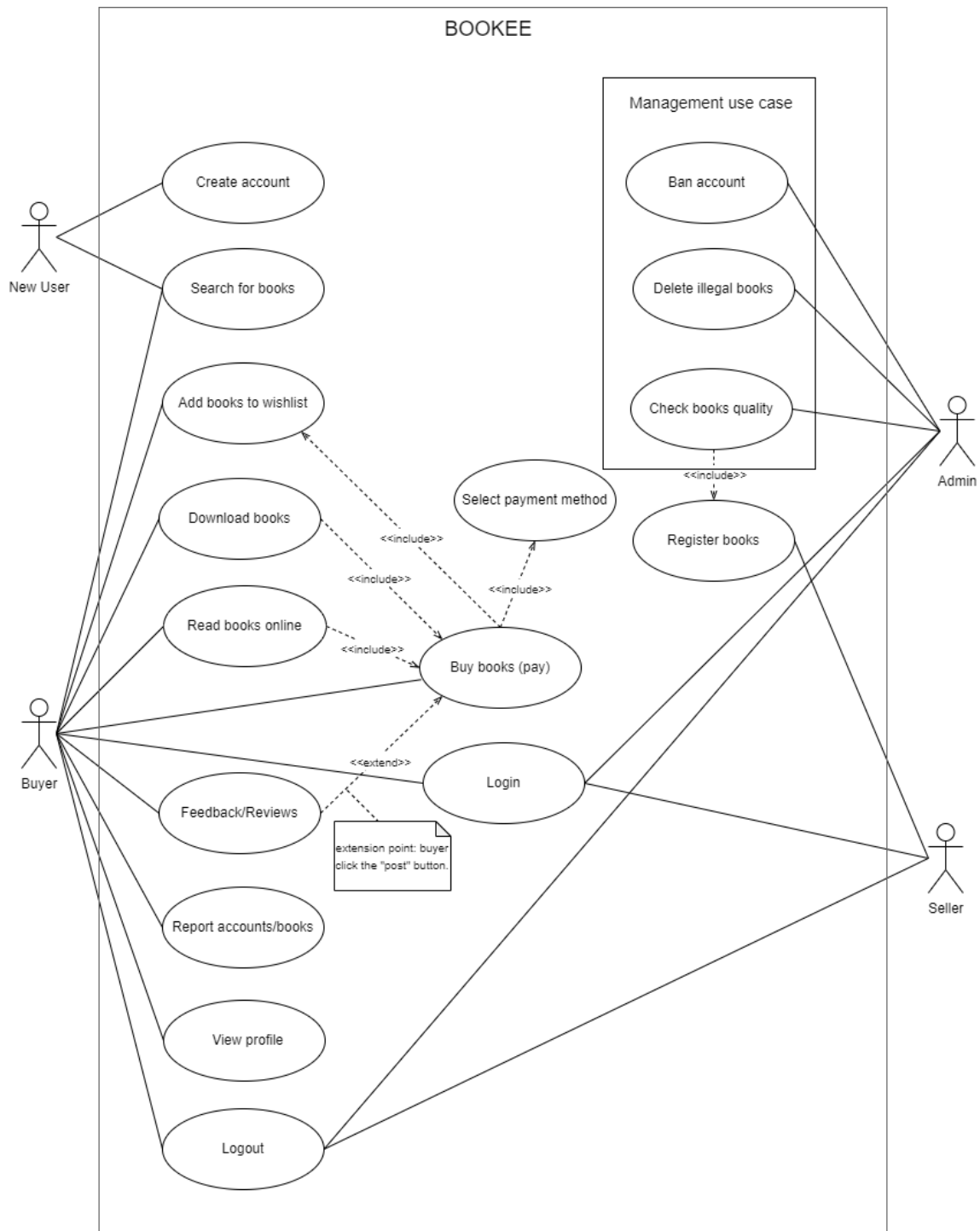
2. Use-case Specifications

2.1. Admin

2.1.1. Use case: Log in

Use-case name	Login
Brief description	This use case describes how the admin logs in to the account.
Actors	Admin
Pre-condition	Admin opens the website and already has an account in the website's database.
Basic flow	**Step 1:** Admin clicks on the 'login' button on the screen. **Step 2:** System prompts the admin for a username and password. **Step 3:** Admin enters their information. **Step 4:** Admin selects the 'login' button. **Step 5:** System checks the database whether the account exists. **Step 6:** System displays successful login notification and returns to admin home page.

Alternative flow	**Alternative flow 1: Cancel while login**
	  1. At step 3, The admin returns to the previous page while entering the information.
	  2. The system returns the admin to the home page without the admin being logged in.
	Alternative flow 2: No information entered
	  1. At step 4, the system will send a notification pop up of empty input and suggest the admin to enter again.
	  2. The admin clicks ok to close the pop up.
	  3. Return to step 3.

Post-condition	**Post-condition 1: If successful** The system will return the notification of successful login and return to the homepage. **Post-condition 2: If unsuccessful** The system will return the notification of unsuccessful login and return to the login page.
Special Requirements	• The process takes place within 5 seconds. • Auto-fill password.
Extension Points	None

2.1.2. Use case: Log out

Use-case name	Logout

Brief description	This use case describes how the admin logs out to the account.
Actors	Admin
Pre-condition	Admin is logged in and on the home page
Basic flow	**Step 1:** Admin clicks on the 'account' button on the screen. **Step 2:** The system displays a selection window. **Step 3:** Admin clicks the 'log out' button. **Step 4:** The system moves the current session and loads the welcome page
Alternative flow	None
Post-condition	The admin successfully logged out the website
Special Requirements	Process takes place within 1 second.
Extension Points	None

2.1.3. Use case: Ban account

Use-case name	Ban account
Brief description	Admin ban the illegal account
Actors	Admin
Pre-condition	Admin logged in
Basic flow	**Step 1:** At the home page, the admin clicks on the icon of report list **Step 2:** The system displays the list **Step 3:** The admin checks the account if it s invalid, the admin will ban this account. **Step 4:** The system shows a success message.
Alternative flow	**Alternative-flow 1: Admin remove the account out of ban list** 1. At step 3 admin remove account by a cancel button 2. At step 4 The system shows a message to announce that the account had been removed.
Post-condition	**Ban:** The account will not active anymore **Remove:** The account is still active
Special Requirements	Email the target users to inform their account status.
Extension Points	None

2.1.4. Use case: Delete illegal books

Use-case name	Delete illegal books
Brief description	Admin remove the book
Actors	Admin
Pre-condition	Admin logged in
Basic flow	**Step 1:** At the home page, the admin clicks on the icon of report 's list **Step 2:** The system displays the list **Step 3:** The admin checks the book if it is invalid, the admin will ban this account. **Step 4:** The system shows a success message.
Alternative flow	**Alternative-flow 1: Admin remove the books out of illegal list** 1. At step 3 admin remove books by a cancel button 2. At step 4 The system shows a message to announce that the books had been removed.
Post-condition	**Delete:** The book will not exist anymore **Cancel:** The book is still on the shopping store
Special Requirements	Must take actions when the book gets reported more than a half of its views/downloads.
Extension Points	None

2.1.5. Use case: Check books quality

Use-case name	Check books quality before posting
Brief description	Admin check the quality of book
Actors	Admin
Pre-condition	Admin logged in
Basic flow	**Step 1:** At the home page, the admin clicks on the icon of the book list in the waiting list. **Step 2:** The system displays the list **Step 3:** The admin checks the quality of the book if it is valid, the admin will accept to post this book. **Step 4:** The system shows a success message.
Alternative flow	**Alternative-flow 1: Admin unaccept the book to post** 1. At step 3 if the book is invalid the admin click on unaccept button 2. At step 4 The system returns a message to the seller that their product will not be accepted.

Post-condition	**Accept:** The book will be displayed on shopping store **Unaccept:** The book will not be displayed on shopping store
Special Requirements	A qualified book must have cover, full details of the publishing organization, authors and do not contain font-error issues.
Extension Points	None

2.2. New user:

2.2.1. Use case: Create account

Use-case name	Create account
Brief description	New user will create their account to register
Actors	New user
Pre-condition	None
Basic flow	**Step 1:** New user clicks on the "sign up" button **Step 2:** User enters username and password **Step 3:** The system will check whether it is valid or not **Step 4:** If it is valid, the system will show a notification that user has created account successfully.

Alternative flow	**Alternative-flow 1: User enters invalid username or password**
	    1. At step 3, the system checks whether the username or password is valid or not.
	    2. If not, the system will show an error message "invalid username or password!"
	Alternative-flow 2: User cancels the sign up
	    1. User clicks on the "cancel" button
	    2. The system will return they to the previous page.

Post-condition	**Success**: Create new user's account **Unsuccess**: Do not create account
Special Requirements	System performs a hashing technique to save passwords securely and confidentially.
Extension Points	None

2.2.2. Use case: Search for books

Use-case name	Search for books
Brief description	Users search for books that they want

Actors	Users
Pre-condition	None
Basic flow	**Step 1:** New users click on the search bar **Step 2:** User types the title or genre **Step 3:** The system will check whether it is valid or not **Step 4:** If it is valid, the system will display those books

Alternative flow	**Alternative-flow 1: The book requested is not available**
	  1. At step 3, system check where the title or genre is valid or not
	  2. If not, the system will show a message to announce that the book is not available
	Alternative-flow 2: User cancel the search
	  1. User clicks on the "cancel" button
	  2. The system returns to the previous page.

Post-condition	**Success**: display list of books **Unsuccess**: display nothing
Special Requirements	System handles the request within 1 second.
Extension Points	None

2.3. Buyer/Seller:

2.3.1. Use case: Search for books

Use-case name	Search for books
Brief description	Users search for books that they want
Actors	Users
Pre-condition	None
Basic flow	**Step 1:** User clicks on the search bar **Step 2:** User types the title or genre **Step 3:** The system will check whether it is valid or not **Step 4:** If it is valid, the system will display those books

Alternative flow	**Alternative-flow 1: The book requested is not available**
	  3. At step 3, system check where the title or genre is valid or not
	  4. If not, the system will show a message to announce that the book is not available
	Alternative-flow 2: User cancel the search
	  3. Users click on the "cancel" button
	  4. The system returns them to the previous page.

Post-condition	**Success**: display list of books **Unsuccess**: display nothing
Special Requirements	System handles the request within 4 seconds.
Extension Points	None

2.3.2. Use case: Add books to wishlist

Use-case name	Add books to wishlist
Brief description	Users add book(s) to their wishlist
Actors	User
Pre-condition	User logged in
Basic flow	**Step 1:** User clicks on the "Add to wishlist" button **Step 2:** The system will check whether it has already in the wishlist yet **Step 3:** If not yet, the system will show a notification that user has added to wishlist successfully
Alternative flow	**Alternative-flow 1: The book is already in the wishlist** 　　1.　At step 3, system check whether it has already in the wishlist yet 　　2.　If it's already in there, the system do nothing more
Post-condition	Book will be added to their wishlist
Special Requirements	Can create different wishlists and name it on their needs except from the default one.
Extension Points	None

2.3.3. Use case: Buy books (pay)

Use-case name	Buy books
Brief description	Users buy books from the web
Actors	User (Buyer)
Pre-condition	User logged in
Basic flow	**Step 1:** User press "Purchase" button **Step 2:** System will display all the payment methods **Step 3:** User chooses their preferred method

	Step 4: User fills in all the necessary information for this payment **Step 5:** User confirms the payment **Step 6:** The system confirms all user information & checks whether the payment was successful or not **Step 7:** User successfully purchase book and can choose to read online or download

Alternative flow	**Alternative-flow 1: User cancel the register**
	   1. At step 5 user press "cancel" button
	   2. The system will cancel their register and return them to the previous page.
	Alternative-flow 2: The payment was unsuccessful
	   1. System will show an error message.
	   2. User must check their input information and reconfirm the payment

Post-condition	User successfully registers the book and wait for the admin's approval
Special Requirements	System handles the request within 5 seconds.
Extension Points	Buyers write comment and click the "post" button to rate/write comments on purchased books.

2.3.4. Use case: Download books

Use-case name	Download books
Brief description	Users download the books they have purchased
Actors	User (Buyer)
Pre-condition	• User logged in • User purchased the book
Basic flow	Step 1: User chooses the book they want to download Step 2: User clicks on the "Download" button Step 3: System will check whether the connection is available for downloading the books or not.

Alternative flow	**Alternative-flow 1: System can not start the download process**
	   1. At step 3 system check that the connection is not available for downloading
	   2. The system shows a message to announce that the download has been canceled because of the connection.
	Alternative-flow 2: User cancels while downloading
	   1. User presses "cancel" while downloading
	   2. The system cancels the download

Post-condition	The book will be downloaded

Special Requirements	If the book file is more than 100MB, it will be compressed to a .zip file.
Extension Points	None

2.3.5. Use case: Read books online

Use-case name	Read books online
Brief description	User read free/purchased books online
Actors	User (Buyer)
Pre-condition	User logged in (and/or purchased the books)
Basic flow	**Step 1:** User chooses the book they want to read **Step 2:** System will load the book for user to read

Alternative flow	**Alternative-flow 1: System can not load the book**
	    1. At step 2 system check whether the connection is available for loading the book or not.
	    2. If not, the system shows a message to announce user to check the connection again.
	Alternative-flow 2: User want to exit the read mode
	    1. After step 2, user presses the "X" button to exit the read mode
	    2. The system returns user to the previous page

Post-condition	User read book directly on the browser
Special Requirements	Different displaying styles (font-style, theme).
Extension Points	None

2.3.6. Use case: Feedback/Reviews

Use-case name	Feedback/Reviews
Brief description	Users send feedback/reviews about the books they have read
Actors	User (buyer)
Pre-condition	Users purchased the book which they tend to give feedback/ review.
Basic flow	**Step 1:** User chooses the book they want to review **Step 2:** User presses the "Review" button **Step 3:** System shows a textbox for user **Step 4:** User writes their feedback/reviews about the books

	Step 5: User presses the "Send" button **Step 6:** System will upload the feedback/review for user

Alternative flow	**Alternative-flow 1: User cancel the feedback**
	    1. At step 5 user press "cancel" button
	    2. The system will not upload their feedback and return them to the previous page..
	Alternative-flow 2: System detected unstable connection while uploading the feedback
	    3. At step 5 the system detects the connection is unstable.
	    4. The system shows a message to announce that the upload has been canceled because of the connection

Post-condition	The feedback/reviews will be displayed
Special Requirements	Review contains violent/threat/insulting/personal attack statements will not be posted, that user will be added to the report list.
Extension Points	None

2.3.7. Use case: Report accounts/books

Use-case name	Report accounts/books
Brief description	Users report books with inappropriate content
Actors	User
Pre-condition	User logged in
Basic flow	**Step 1:** User choose the book they want to report **Step 2:** User press the "report" button **Step 3:** System show a textbox for user **Step 4:** User write their report reason about the books **Step 5:** User press the "Send" button **Step 6:** System will send the report for the admin

Alternative flow	**Alternative-flow 1: User cancel the report**
	    1. At step 5 user press "cancel" button
	    2. The system will not upload their report and return to the previous page.
	Alternative-flow 2: System detected unstable connection while uploading the report
	    5. At step 5 system detects the connection is unstable.
	    6. The system shows a message to announce that the upload has been canceled because of the connection

Post-condition	The reported books will be deleted Or nothing happens

Special Requirements	System prevents report spam by limiting the number of reports that can be sent per month to the user.
Extension Points	None

2.3.8. Use case: View profile

Use-case name	View profile
Brief description	Users view their personal profile
Actors	User
Pre-condition	User logged in
Basic flow	**Step 1:** User chooses button "View profile" from the menu **Step 2:** System displays their personal information like avatar, username, etc… **Step 3:** User can edit the profile if they want
Alternative flow	**Alternative-flow 1: User want to back to previous** 1. On profile page, user clicks on "back" button 3. The system returns them to the home page.
Post-condition	Users successfully view their personal profile
Special Requirements	• System handles the request within 2 seconds. • Information is arranged and presented in a logical manner
Extension Points	None

2.3.9. Use case: Login

Use-case name	Login
Brief description	User login to their account
Actors	User
Pre-condition	User already have an account
Basic flow	**Step 1:** System display the login page **Step 2:** User enters their username and password **Step 3:** System will check if the username/password is valid **Step 4:** If the input is valid, system will load the homepage for the user based on the account else system will notifies that the user input is invalid

Alternative flow	**Alternative-flow 1: User enters an invalid username or password** 1. At step 4 system check whether the input is valid or not 2. If not, the system will show a message to announce that the username or password they have entered is wrong. **Alternative-flow 2: User cancels the login** 1. User presses "cancel" button while logging in 2. The system returns them to the previous page
Post-condition	User login success, the homepage will be loaded
Special Requirements	System handles the request within 5 seconds.
Extension Points	None

2.3.10. Use case: Register books

Use-case name	Register books
Brief description	User (Seller) registers books for sale
Actors	User (Seller)
Pre-condition	User logged in
Basic flow	**Step 1:** User presses "Register" button **Step 2:** System will display the book register page **Step 3:** User enters book's basic information like name and description **Step 4:** User chooses file to upload **Step 5:** User confirms the register **Step 6:** System sends the request for admin to handle
Alternative flow	**Alternative-flow 1: User cancel the register** 1. At step 5 user presses "cancel" button 2. The system will cancel their register and return them to the previous page. **Alternative-flow 2: The file is invalid.** 4. At step 4 system check whether the file is valid or not 5. If not, the system will show an error message.
Post-condition	User successfully registers the book and wait for the admin's approval
Special Requirements	System handles the request within 1 second.
Extension Points	None