# ­­­BookTrade

# Use-Case: Register

* Brief Description
  + When a user wants to create an account for the BookTrade website which will allow them to interact with other users, buy/sell/donate/trade books.
* Actors
  + User: Includes students, book readers who wish to buy/sell or trade/donate books.
* Pre-Conditions
  + Be using a laptop, personal computer, mobile phone.
  + Be connected to Internet.
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. Open BookTrade website and click on Register.  2. Enter credentials in the form. These include: username, Email, Password. | 1. Redirect the user to Register page.  2.1 System verifies the credentials.  2.2 System Registers the user into BookTrade Database.  2.3 System redirects to Log-In page. |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 2. Invalid credentials entered. | 2.1 System allows the user to re-enter the credentials. |

* Post-conditions
  + User can now Log In to the website.
* Special Requirements
  + The password must be at least 4 characters long, be case sensitive, and contain special characters.

# Use-Case: Login

* Brief Description
  + When the user wants to login in order to carry out a transaction over BookTrade website.
* Actors
  + User: Include students, book readers who wish to buy/sell or trade/donate books.
* Pre-Conditions
  + Be registered with BookTrade.
  + Be using a laptop, personal computer, mobile phone.
  + Be connected to Internet
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. Open BookTrade website and click on Login.  2. Enter credentials in the form. These include: username, password. | 1. Redirect the user to Login page.  2.1 System verifies the credentials and logs in the user.  2.2 System redirects user to the homepage. |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 2. Invalid credentials entered.  2.1 User re enters the credentails. | 2. System shows an error and tells the user to re enter the credentials.  2.1 System verifies the credentials and logs in the user.  2.2 System redirects the user to login page. |

* Post-conditions
* User can now buy, sell, trade or donate books.
* User can update their booklist.

# Use-Case: Create a Book List

* Brief Description
  + When the user wants to create a list of books they have to offer including book prices, trade conditions.
* Actors
  + User: Include students, book readers who wish to buy/sell or trade/donate books.
* Pre-Conditions
  + Be registered with BookTrade.
  + Be using a laptop, personal computer, mobile phone.
  + Be connected to Internet
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. Open BookTrade website and click on Login.  2. Enter credentials in the form. These include: username, password. | 1. Redirect the user to Login page.  2.1 System verifies the credentials and logs in the user.  2.2 System redirects user to the homepage. |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 2. Invalid credentials entered.  2.1 User re enters the credentials. | 2. System shows an error and tells the user to re enter the credentials.  2.1 System verifies the credentials and logs in the user.  2.2 System redirects the user to login page. |

* Post-conditions
  + User can now buy, sell, trade or donate books.
  + User can update their booklist.

# Use-Case: Managing Book List

* Brief Description
* When a user wants to update their book list, either delete or add new books to the list and change prices.
* Actors
* User: Include students, book readers who wish to buy/sell or trade/donate books.
* Pre-Conditions
* Be registered with BookTrade.
* Be using a laptop, personal computer, mobile phone.
* Be connected to Internet
* Login to BookTrade website and access your book list.
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. Click on edit book list button.  2. Add or Delete the name, price, ISBN number of the book and click on submit button. | 1. Redirect the user to the book list page.  2.1 Verify the book list with user and make changes to the current book list. |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 2. Incorrect name, ISBN number or price entered.  2.1 User checks that they have mistyped the details and corrects them.  2.2 User submits. | 2. As system verifies the list with the user.  2.1 System verifies the details once more with the user.  2.2 System updates the book list. |

* Post-conditions
  + User can continue browsing books.

# Use-Case: Buying/Selling Books

* Brief Description
* User wants to buy a book using BookTrade website.
* Actors
* User: Include students, book readers who wish to buy/sell or trade/donate books.
* Pre-Conditions
* Be registered with BookTrade.
* Be using a laptop, personal computer, mobile phone.
* Be connected to Internet
* Login to BookTrade.
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. User Searches for the book using either the book title, author name, or ISBN number.  2. User compares the prices of books being offered by different users.  3. User selects the book they want to buy.  4. User enters their address details.  5. User waits for confirmation from BookTrade to continue with the payment.  6. User selects the payment method and enters the required details. | 1. The system shows list of books, along with their prices and different users offering those books.  3. System takes the user to the confirmation page, where the user enters their address.  4. System verifies the address with the user.  5. Book Trade sends confirmation email to user to continue with payment.  6. System confirms the payment. |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 1. If at step 1, user is unable to find book that they were looking for, they email BookTrade.  2. If at step 4, user enters incorrect address details.  2b. User re-enters the correct address.  3a. If at step 6, user enters incorrect payment details.  3b. User enters the details again. | 1. BookTrade keeps an eye out for that book and lets the user know once its available.  2. System confirms the address before proceeding.  2b. System proceeds with confirmation and payment.  3a. System lets the user know that the payment could not be verified.  3b. System confirms the details and continues with the transaction. |

* Post-conditions
  + User waits for the book to arrive
  + User can continue browsing more books.
* Special Requirements
  + User must have PayPal Accounts.

# Use-Case: Trade Books

* Brief Description
* User has books that they might want to trade, or other things that they are willing to trade for books with other users. They have trade requirements for each book they are willing to trade and send/receive trade proposals to/from interested users.
* Actors
  + User: Include students, book readers who wish to buy/sell or trade/donate books.
* Pre-Conditions
  + Be registered with BookTrade.
  + Be using a laptop, personal computer, mobile phone.
  + Be connected to Internet
  + Login to BookTrade.
  + Have written trade requirements with their book list.
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. User Searches for the book using either the book title, author name, or ISBN number.  2a. User looks at if there are any trade requirements for the required book.  2b. User sends a trade proposal to the intended user offering the book.  3. The intended user (who is offering the book for trade) receives the trade proposal and replies back to the user who sent the proposal.  4. The user has agreed to trade and they proceed with trading.  5. The users (receiver and sender) enters their address details. | 1. The system shows list of books, along with their prices and different users offering those books.  2b. System sends the trade proposal to the intended user.  3. System sends the reply back to the user.  4. Book Trade redirects the user to address details page.  5. The system confirms the address details and sends the confirmation to the user who will be sending the book. |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 1. If at step 1, user is unable to find book that they were looking for, they email BookTrade.  2. If at step 4, user enters incorrect address details.  2b. User re-enters the correct address. | 1. BookTrade keeps an eye out for that book and lets the user know once its available.  2. System confirms the address before proceeding.  2b. System proceeds with confirmation and trading. |

* Post-conditions
  + User waits for the book to arrive
  + User can continue browsing more books.

# Use-Case: Payment

* Brief Description
* User has decided to buy a book and wish to make payment in order to continue with the transaction.
* Actors
* User: Include students, book readers who wish to buy books and the who wish to sell books.
* Pre-Conditions
* Be registered with BookTrade.
* Be using a laptop, personal computer, mobile phone.
* Be connected to Internet
* Login to BookTrade.
* Have searched and selected to buy the book they want.
* Have received a confirmation from BookTrade to proceed with payment.
* Normal Flow
* The use case begins when <actor> <does something>

|  |  |
| --- | --- |
| Actor | System |
| 1. User selects the payment method to make payment using their credit card over booktrade.  2. User enters their details which includes, AccountName, CardNumber, SecurityNumber, ExpirationDate and continues to make payment. | 1. System redirects user to a secured payment page.  2. System Verifies the account details with the user.  2a. System proceeds with transaction. |
|  |  |

The use case ends.

* Alternate Flows
  + <alternate flow 1>
  + If at step <step number> of the normal flow <condition>, then

|  |  |
| --- | --- |
| Actor | System |
| 1. If at step 1, user chooses to pay using third-party agent such as PayPal.  1b. User enters their credentials to login.  1c. User confirms that they wish to make the payment.  2. If at step 2, user enters incorrect card details.  2b. User will re-enter their credit card details. | 1. System redirects the user to the PayPal login page.  1b. System logs the user to their PayPal account.  1c. System proceeds with the transaction and sends the user a confirmation that they made payment with PayPal.  2. The payment is not authorized the user is asked to re-enter his/her credit card details.  2b. System verifies the details and continues with the transaction. |

* Post-conditions
  + User waits for the book to arrive
  + User can continue browsing more books.