

# **ReSource**

## Use Case Specification

Submitted to:

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In partial fulfillment of academic requirements  
for the course  
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***Unique Reference:***

The documents are stored in the <https://github.com/mathena828/ReSource> referenced with Group 2- 2.0 – Shop Book Listing.

***Document Purpose:***

This document expounds on the process of how a prospective seller can interact with the system in order to trade secondhand books. It details the prerequisites, sequence of events, as well as potential outcomes associated with the use case in question. The figures are included to clarify the procedure

***Target Audience:***

The target audience of this document is the CS 191 and CS 192 Software Engineering classes of the academic year 2019 to 2020, as well as other individuals who may need to evaluate the functional requirements of this project. The members of Group No. 2, namely, Jaira Mathena B. Angeles, Danilo M. Mendoza II, and Beatrice Pauline R. Mercado will be elaborating on the use case discussed hereunder. Professor Ma. Rowena C. Solamo will be evaluating the contents of this submission to ensure that it fulfills the criteria for this academic requirement.

***Revision Control:***

<b><i>Revision Date</i></b>	<b><i>Person Responsible</i></b>	<b><i>Version Number</i></b>	<b><i>Modification</i></b>
09/20/19	Jaira Mathena B. Angeles	1.0	She wrote the entries under Document Purpose, Target Audience, Use-Case Name, Description, Preconditions, Other Diagrams, Postcondition, Relationships, and Special Requirements.
09/20/19	Beatrice Pauline R. Mercado	1.1	She filled in the first two scenarios in the Flow of Events section of the document.
09/22/19	Jaira Mathena B. Angeles	1.2	She filled in the last scenario in the Flow of Events section of the document.
09/22/19	Danilo M. Mendoza II	1.3	He added the Activity Diagram.
10/2/19	Jaira Mathena B. Angeles	2.0	She changed the Flow of Events and Activity Diagram to reflect the changes in the Use Case Model.

**Use-Case Name:** 2.0 Shop Book Listing

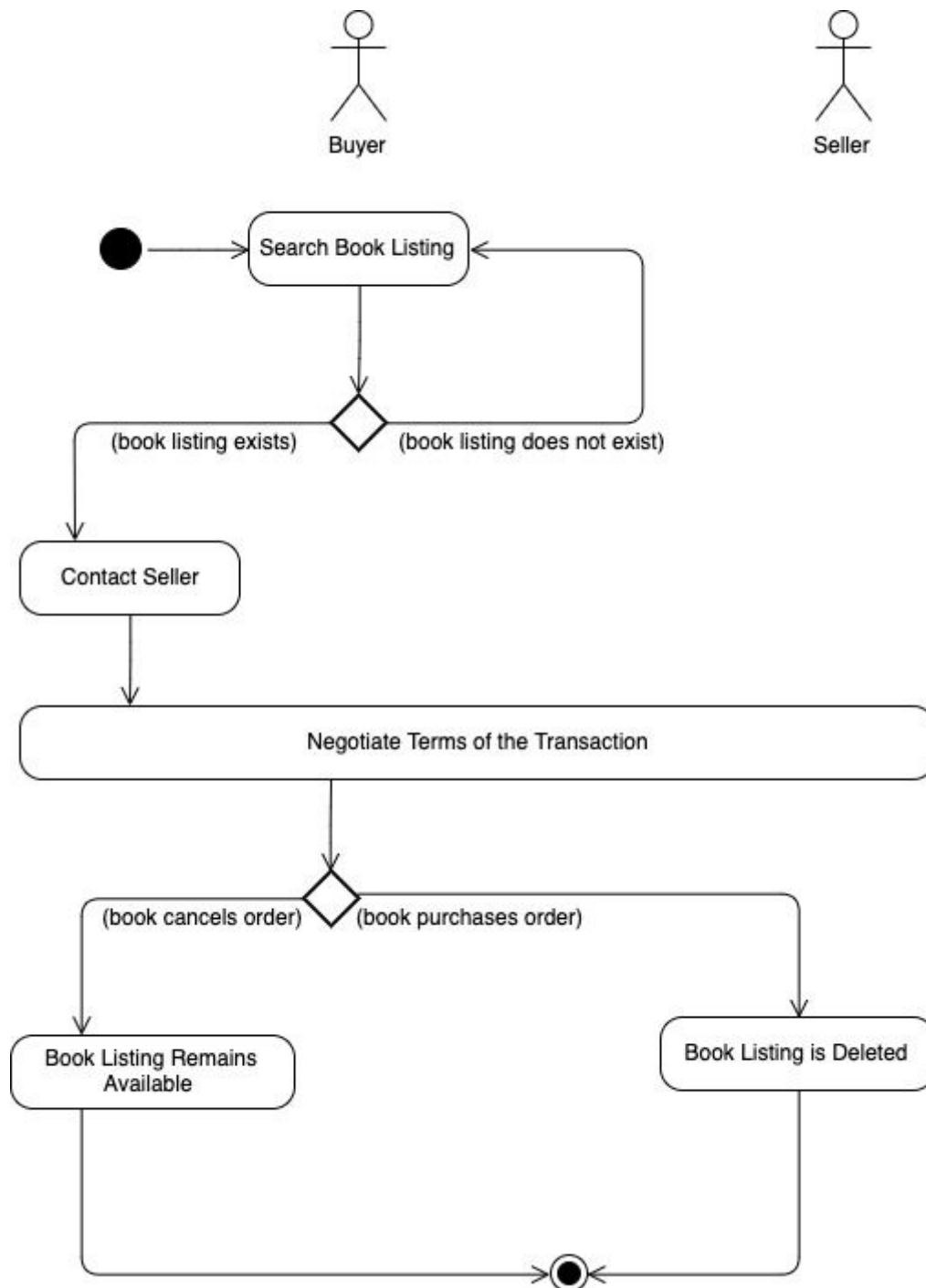
**Description:** This pertains to the buyer's ability to respond to book listings posted by the buyers on the platform. This encompasses two key operations. Namely, these are View Book Listing (Use-Case 2.1) and Contact Seller (Use Case 2.2).

**Preconditions:** The buyer must have an account on the website and a seller must have posted a listing of the book they are interested in.

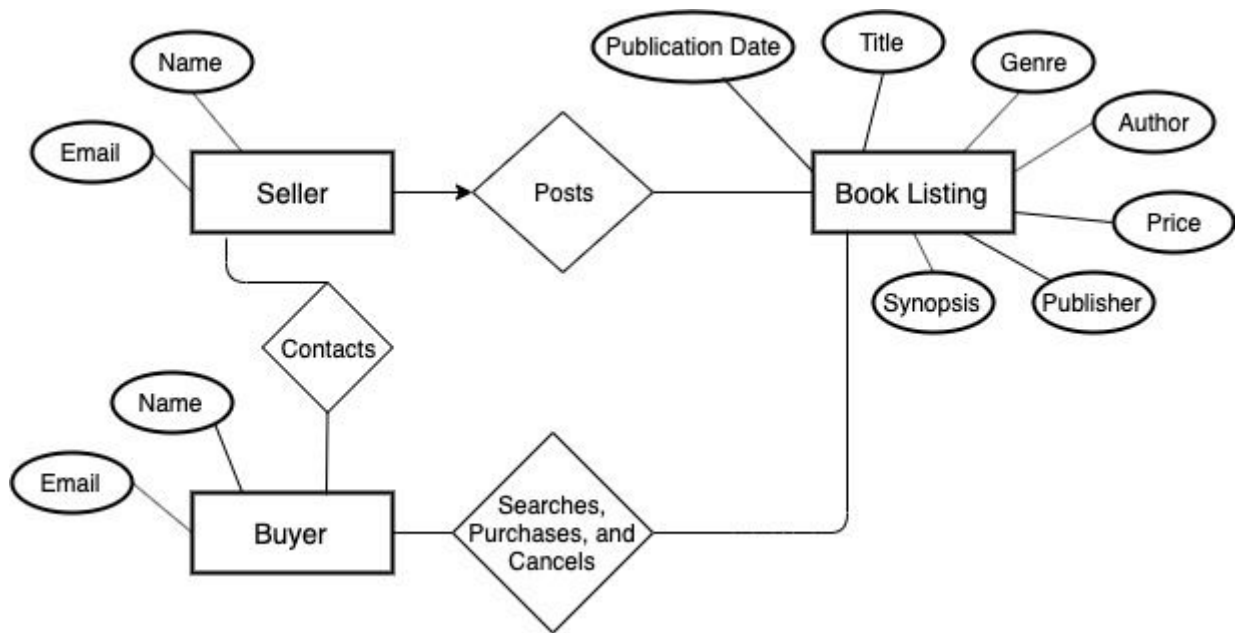
**Flow of Events:**

<i>Scenario Name</i>	<i>Description</i>
Scenario 1 (Basic Flow) - Use Case 2.1 (View Book Listing)  The buyer finds the book they are searching for.	1. When a buyer is looking for a particular book, they can search for it within the ReSource database.  2. The book listings that match the search criteria appear.  3. The buyer selects the book listing that is most relevant to them.
Scenario 2 - Use Case 2.1 (View Book Listing)  The book listing the buyer is searching for does not exist.	1. When a buyer is looking for a particular book, they can search for it within the ReSource database.  2. There are no book listings that match the search criteria entered.  3. The buyer can enter a new search criteria.
Scenario 3 (Basic Flow) - Use Case 2.2 (Contact Seller)  The buyer places then purchases an order.	1. When a seller posts a book listing, a buyer can now place an order.  2. The buyer contacts the seller through the chat room.  3. Both actors will arrange the details of the transaction.  4. The buyer pays for the book upon delivery.  5. Book listing is deleted by the seller.
Scenario 4 - Use Case 2.2 (Contact Seller)  The buyer places then cancels an order.	1. When a seller lists a book, a buyer can now place an order.  2. The buyer contacts the seller through the chat room.  3. Both actors will arrange the details of the transaction.  4. The buyer cancels the order.  5. Book listing remains available for purchase.

*Activity Diagram of the Flow of Events:*



*Other Diagram:*



*Postcondition:* NONE

*Relationships:* NONE

*Special Requirements:* NONE