

# **ReSource**

## Use Case Specification

Submitted to:

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In partial fulfillment of academic requirements  
for the course  
CS 191 Software Engineering I  
of the  
1<sup>st</sup> Semester, AY 2019-2020



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***Unique Reference:***

The documents are stored in the <https://github.com/mathena828/ReSource> referenced with Group 2- 1.0 – Manage Book Listing.

***Document Purpose:***

This document expounds on the process of how a prospective buyer can interact with the system by responding to a book listing found within its database. 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>
09/22/19	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.
09/22/19	Beatrice Pauline R. Mercado	1.1	She filled in the first scenario in the Flow of Events section of the document.
09/22/19	Jaira Mathena B. Angeles	1.2	She filled in the last two scenarios 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:** 1.0 Manage Book Listing

**Description:** This pertains to the seller's ability to maintain their own inventory of book listings. They can do so through three features, Edit Book Listing (Use-Case 1.1), Create Book Listing (Use-Case 1.2), and Delete Book Listing (Use-Case 1.3). The seller's posts are collated on the site so that they can be found by potential buyers.

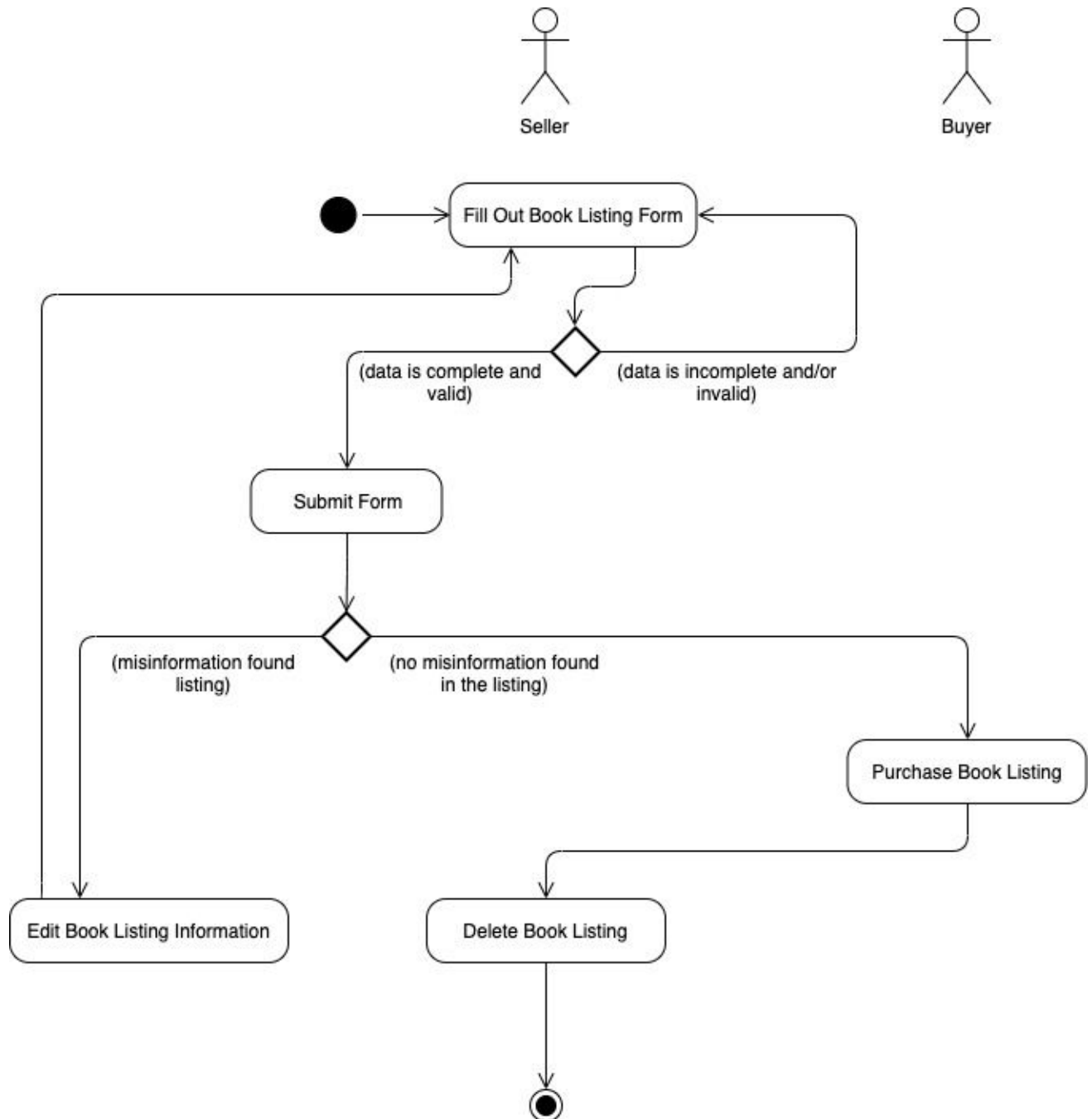
**Preconditions:** The seller must have an account on the website.

**Flow of Events:**

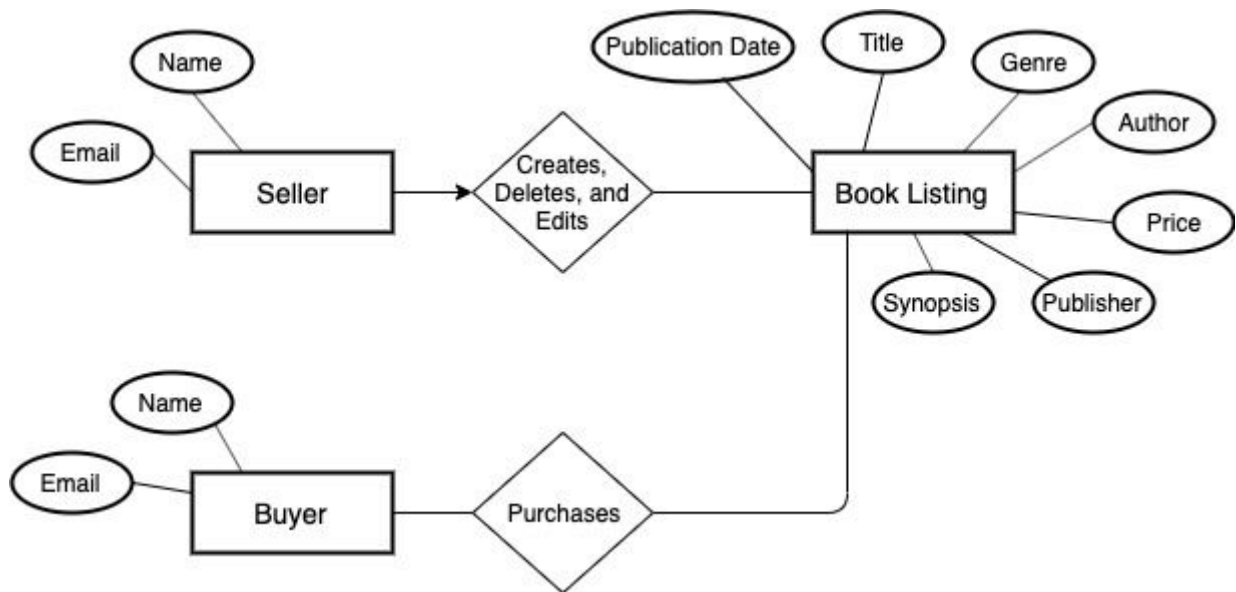
<i>Scenario Name</i>	<i>Description</i>
Scenario 1 (Basic Flow) - Use Case 1.2 (Create Book Listing)  A book listing is successfully posted by the seller.	1. When the seller finds a book they wish to sell online, they can post it on the system.  2. The seller takes note of all necessary details including the title, genre, author, publisher, publication date, synopsis, quality, and price of the book.  3. The seller fills out the listing form provided by the web application completely and with the correct data.  4. The form is submitted.  5. The listing is added to the ReSource database.
Scenario 2 - Use Case 1.2 (Create Book Listing)  A book listing cannot be posted by the seller due to incomplete data.	1. When the seller finds a book they wish to sell online, they can post it on the system.  2. The seller takes note of all necessary details including the title, genre, author, publisher, publication date, synopsis, quality, and price of the book.  3. The seller fills out the listing form provided by the web application with incomplete data.  4. The form fails to submit and an incomplete message is shown on the form.
Scenario 3 - Use Case 1.2 (Create Book Listing)  A book listing cannot be posted by the seller due to invalid data.	1. When the seller finds a book they wish to sell online, they can post it on the system.  2. The seller takes note of all necessary details including the title, genre, author, publisher, publication date, synopsis, quality, and price of the book.  3. The seller fills out the listing form provided by the web application with invalid data that do not match the field types.  4. The form fails to submit and an invalid message is shown on the form.
Scenario 4 - (Basic Flow) Use Case 1.1 (Edit Book Listing)  The book listing information successfully is updated.	1. When there are errors/misinformation in the original listing, the seller can access that particular listing's form.  2. The seller edits the book listing information.  3. The form is submitted.  4. The information of the corresponding book listing in the ReSource database is updated.
Scenario 5 - Use Case 1.1 (Edit Book Listing)  The book listing information cannot be updated due to incomplete data.	1. When there are errors/misinformation in the original listing, the seller can access that particular listing's form.  2. The seller edits the book listing information with incomplete data.  3. The form fails to submit and an incomplete message is shown.

<p>Scenario 6 - Use Case 1.1 (Edit Book Listing)</p> <p>The book listing information cannot be updated due to invalid data.</p>	<ol style="list-style-type: none"> <li>1. When there are errors/misinformation in the original listing, the seller can access that particular listing's form.</li> <li>2. The seller edits the book listing information with invalid data that do not match the field types.</li> <li>3. The form fails to submit and an invalid message is shown.</li> </ol>
<p>Scenario 7 - (Basic Flow) Use Case 1.3 (Delete Book Listing)</p> <p>A book has been sold to a buyer.</p>	<ol style="list-style-type: none"> <li>1. When a buyer places an order or the seller, they contact the seller.</li> <li>2. The seller and buyer negotiate the details of the transaction.</li> <li>3. The buyer pays for the book upon delivery.</li> <li>4. The seller receives the payment.</li> <li>5. The seller deletes the book listing once the book has been sold.</li> <li>6. The book listing is deleted from the ReSource database.</li> </ol>

*Activity Diagram of the Flow of Events:*



***Other Diagram:***



***Postcondition:*** The ReSource database is updated to reflect additions, changes, and deletions done by the seller on their personal inventory.

***Relationships:*** NONE

***Special Requirements:*** NONE