ReSource
Use Case Specification

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:

Jaira Mathena B. Angeles
Danilo M. Mendoza II
Beatrice Pauline R. Mercado

In partial fulfillment of academic requirements
for the course
CS 191 Software Engineering I
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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:

Revision Date	Person Responsible	Version Number	Modification
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.

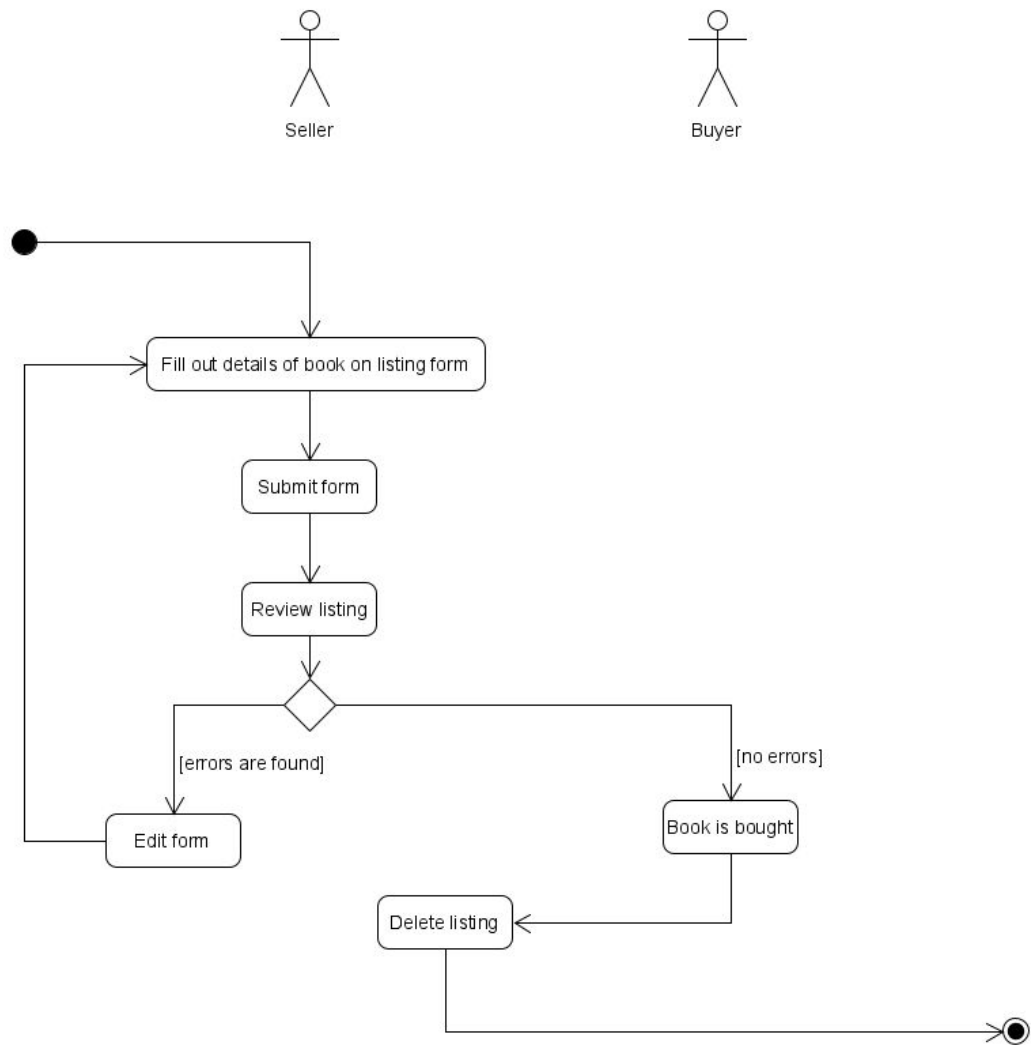**Use-Case Name:**   1.0 Manage Book Listing

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.

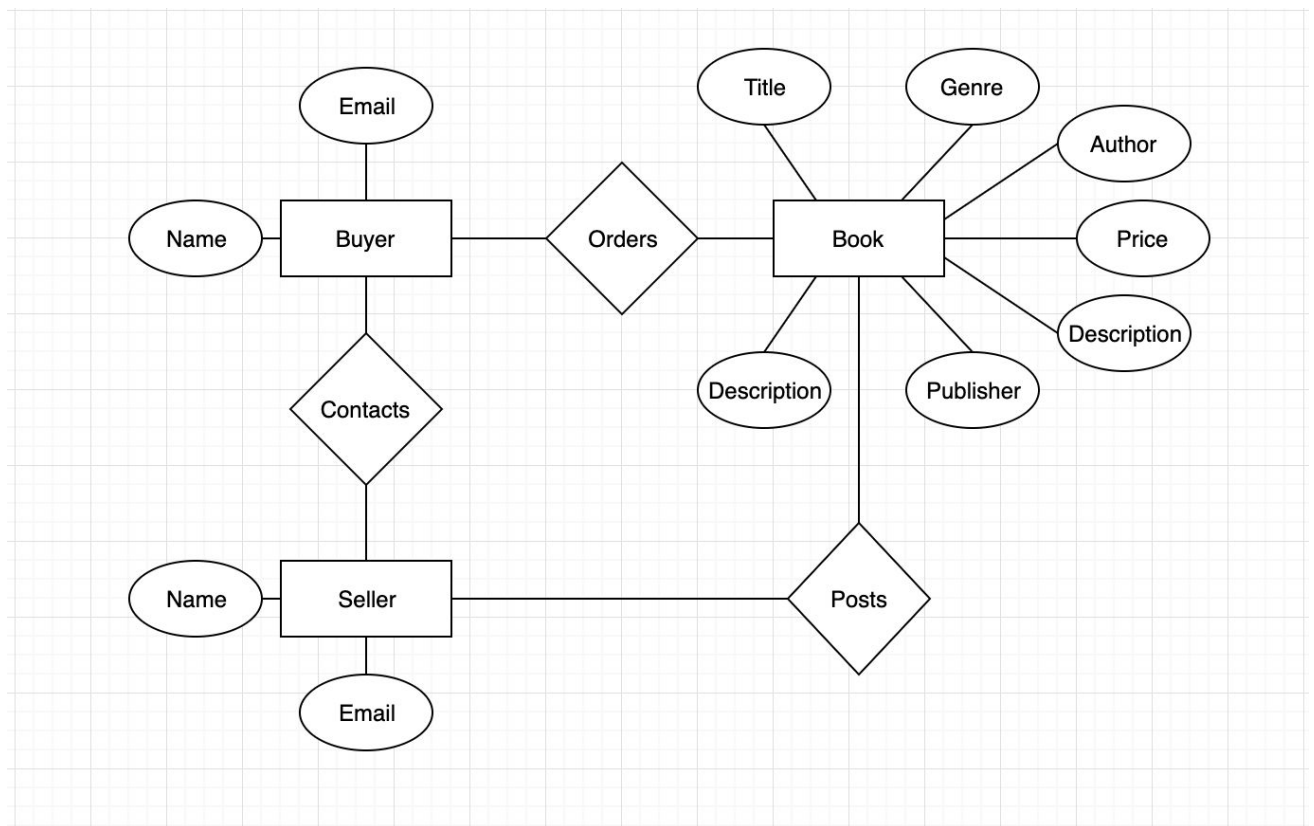**Preconditions:**   The seller must have an account on the website.

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) A book listing is 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, synopsis, price, and description of the book. 3. The seller fills out the listing form provided by the web application. 4. The form is submitted. 5. The listing is added to the ReSource database.
Scenario 2 The listing information is updated.	1. When there is an error, the seller can access a particular listing's update form. 2. The seller edits the information. 3. The form is submitted. 4. The listing information in the ReSource database is updated.
Scenario 3 A book has been sold to a buyer.	1. When a buyer places an order or the seller, they contact the Seller. 2. The seller and buyer negotiate the details of the transaction. 3. The buyer pays for the book upon delivery. 4. The seller receives the payment. 5. The seller deletes the book listing if the book has been sold. 6. The listing is deleted from the ReSource database.

Activity Diagram of the Flow of Events:

Seller

Buyer

Fill out details of book on listing form

Submit form

Review listing

[errors are found]

[no errors]

Edit form

Book is bought

Delete listing

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