
ReSource

Use Case Model

Submitted to:

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

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Unique Reference:

The documents are stored in the <https://github.com/mathena828/ReSource> referenced with Group 2-ReSource-Use Case Model.

Document Purpose:

This document will outline the necessary features that must be incorporated into the final web application, as well as guide readers on the various ways they can expect to interact with the system. It illustrates these information through a use case diagram. It also contains brief descriptions of the elements therein.

Target Audience:

The target audience of this document are 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 creating and referencing this model. 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:

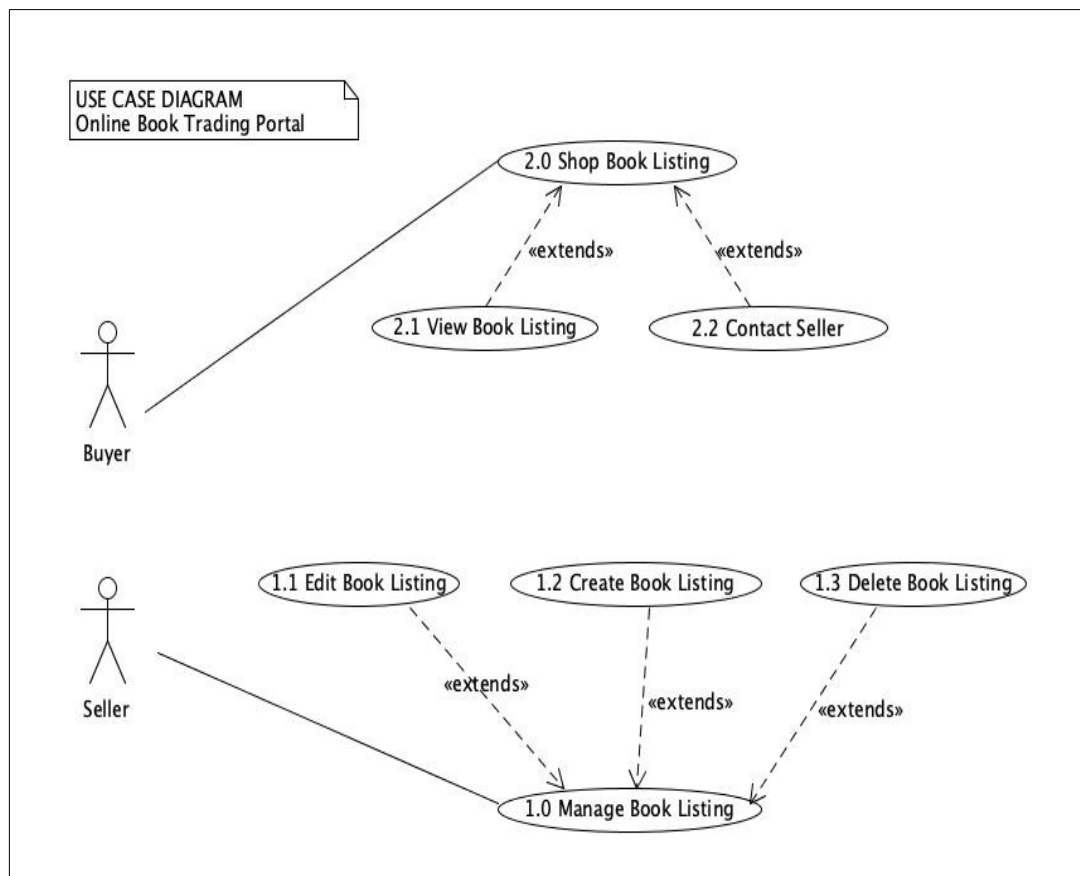
<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Contribution and Modification</i>
09/14/19	Jaira Mathena B. Angeles	1.0	She wrote the entries under Unique Reference, Document Purpose, and Target Audience. She also created and added the Use-Case Diagram, as well as the accompanying Description of the system. She also wrote the List of Use Cases.
09/16/19	Danilo M. Mendoza II	1.1	He wrote the Description of the Actors.
10/2/19	Jaira Mathena B. Angeles	2.0	She changed the Use-Case Diagram and updated the document in accordance with those edits.

System Name: ReSource Book Trading System

Description:

This system describes the way transactions are facilitated on the web application ReSource. It described the respective actions that buyers and sellers can perform on this platform. The buyers and sellers are both able to contact one another in order to coordinate the details of the exchange. Buyers are, to be precise, able to search for specific book listings and set-up a chat room with the seller of said product. Likewise, sellers can manage book listings by maintaining their own inventories. These chain of events represent how product listings are posted by sellers and ultimately purchased by buyers within the system.

Use-Case Diagram:



List of Actors:

<i>Actors</i>	<i>Description</i>
Buyer	The buyer is the consumer of the products the system. They can search for books and purchase them. They interact with the sellers through the system when making inquiries about a listing.
Seller	The buyers post listings to the system. They add books to be sold and decide on the prices for them. They interact with the buyers whenever they are contacted for inquiries about their listings.

List of Use-cases:

<i>Use-Case</i>	<i>Description</i>
Use-Case 1.0 Manage Book Listing	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.
Use-Case 1.1 Edit Book Listing	The information contained within a book listings can be edited by the seller. This covers key details about the product, such as the its price, synopsis, genre, title, author, publisher, and publication date. They can update these data as needed.
Use-Case 1.2 Create Book Listing	Sellers can post listings by adding an image of the book accompanied by necessary details about the product. These supplementary information include the title, genre, author, publisher, publication date, and synopsis of the book. They must also note the price of the item.
Use-Case 1.3 Delete Book Listing	Books listings may be removed by the seller that posted it initially. This is typically done at the end of a transaction once it has been purchased by a buyer (Use-Case 2.2). However, this can also occur in cases where the seller no longer wishes to sell a book for one reason or another.
Use-Case 2.0 Shop Book Listing	This pertains to the buyer's ability to respond to a 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).
Use-Case 2.1 View Book Listing	Buyers can search for specific listings within the web application's database of available books. Results can be filtered by title, genre, author, or price. They can then browse through the matches and select the one that is most relevant to them.
Use-Case 2.2 Contact Seller/Buyer	Buyers can place orders by contacting the seller whom that specific listing is tied to. Following the Cash on Delivery sales model, sellers and buyers can negotiate the details of every single transaction amongst themselves. Likewise, orders may be canceled if the two actors cannot agree of terms that are agreeable to both parties. This is implemented through an instant messaging feature on the web application.