
ReSource

Use Case Model

Submitted to:

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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:

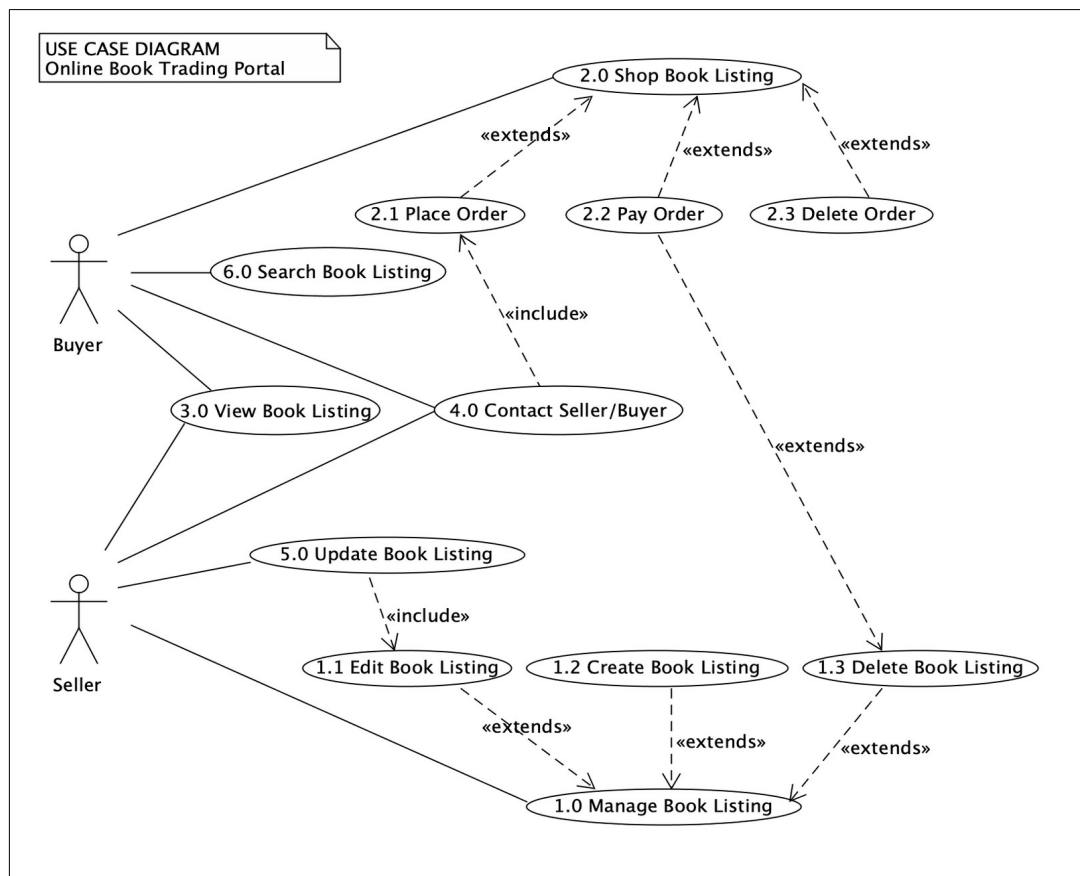
<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Contribution and Modification</i>
09/14/19	Jaira Mathena Angeles	1.0	She wrote the entries under Unique Reference, Document Purpose, and Target Audience. She also created and added the Use-Case Diagram, as well as the accompanying 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.

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 view book listings and contact one another in order to coordinate the details of the exchange. Buyers are, specifically, able to search and shop for book listings. 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 customer in 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 in 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 listing.

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 and description. 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, and synopsis of the book. They must also note the quality and 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 can longer sell the 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 three operations. Namely, these are Place Order (Use-Case 2.1), Pay Order(Use-Case 2.2), and Delete Order(2.3).
Use-Case 2.1 Place Order	An order can be placed by contacting the seller whom that specific listing is tied to. This can be done by clicking the Shop Now button that opens up a chat room between the buyer and seller (Use-Case 5.0). This gives both parties the freedom to negotiate the details of a single transaction.
Use-Case 2.2 Pay Order	Payment is handled between the buyers and sellers themselves. They can then set the time and place for the exchange through the instant messaging feature (Use-Case 5.0). At this point, book listings can be deleted. This follows the Cash on Delivery sales model.
Use-Case 2.3 Delete Order	Orders can also be deleted by personally informing the seller through the instant messaging feature (Use-Case 5.0). At any point prior, buyers can freely contact the seller to inquire about the availability of a listing. Buyers can cancel their order if the terms of the transaction are not to their liking.
Use-Case 3.0 Search 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.

<i>Use-Case</i>	<i>Description</i>
Use-Case 4.0 View Book Listing	Both buyers and sellers can view book listings on the website. All books posted on the seller's pages are added to the ReSource database. These appear to the actors as individual listings that have the image of the book on one side and the supplementary details beside and below it.
Use-Case 5.0 Contact Seller/Buyer	Buyers and sellers are able to contact each other through the instant messaging feature. This is especially vital in implementing the Cash on Delivery sales model. In this way, they are given the opportunity to coordinate with one another and reach terms that is agreeable to both parties.