

BOOKWISE (An android app for exchanging and selling textbooks)

Use Case for Credit opportunity: **Cancelling a Reservation**

Project Summary:

An Android App where students can post their textbooks for sale; users (students) would be able to search for a book, buy it or exchange it for a book that the other user (seller) requires. Books will categorized for different subjects and will have information of condition, edition, picture of cover page and location. All data will stored in a database.

Use Case List

Use Case ID	Primary Actor	Use Cases
UC-1.1.1	General User	Register
UC-1.1.2	General User	Sign In
UC-1.1.3	General User	Logout
UC-1.1.4	General User	Provide Valid E-mail Address
UC-1.1.5	General User	Provide Valid Password
UC-1.1.6	General User	Provide Contact Information
UC-1.2.1	Buyer	Search For Books
UC-1.2.2	Buyer	Reserve Books
UC-1.2.3	Buyer	Cancel Reservation
UC-1.3.1	Seller	Posting Books
UC-1.3.2	Seller	Reject Reservation
UC-1.3.3	Seller	Delete Posting

Use cases

Use Case ID:	UC-1.1.1		
Use Case Name:	Register		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	General User (Any User)		

Description:	This use case allow a user to register for a new account
Frequency of Use:	Once per User
Preconditions:	User does not have an account
Postconditions:	User has an account
Normal Flow:	<ol style="list-style-type: none"> 1. User visit the register page 2. User provide valid @colorado.edu E-mail address 3. User create valid password (at least 8 digits) 4. Provide contact information (Mandatory/optional) 5. User click on register button
Exceptions:	<ol style="list-style-type: none"> 1. E-mail address is invalid 2. Password is invalid 3. Mandatory contact information not provided 4. Account Already exist
Includes:	Provide Valid Email Address Create Valid Password Provide Contact Information
Special Requirements:	None
Assumptions:	User has internet access
Notes and Issues:	None

Use Case ID:	UC-1.1.2		
Use Case Name:	Sign In		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	General User (Any User)		
Description:	This use case allow a user to sign in with his/her account		
Frequency of Use:	Every time switch account or sign in to a new device		
Preconditions:	User was logged out		
Postconditions:	User is signed in		
Normal Flow:	<ol style="list-style-type: none"> 1. User visit the sign in page 2. User provide valid @colorado.edu E-mail address 3. User provide valid password 4. User click on sign in button 		

Exceptions:	1. E-mail address is invalid 2. Password is invalid
Includes:	Provide Valid E-mail Address Provide Valid Password
Special Requirements:	None
Assumptions:	User has internet access
Notes and Issues:	None

Use Case ID:	UC-1.1.3		
Use Case Name:	Log out		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	General User (Any User)		
Description:	This use case allow a user to log out his/her account		
Frequency of Use:	Every time user wants to log out		
Preconditions:	User was signed in		
Postconditions:	User is logged out		
Normal Flow:	1. User click on log out button		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		
Notes and Issues:	None		

Use Case ID:	UC-1.1.4		
Use Case Name:	Provide Valid E-mail Address		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	General User (Any User)		

Description:	This use case allow a user to provide a valid E-mail address		
Frequency of Use:	Every time user wants to register or sign in		
Preconditions:	Email address not provided		
Postconditions:	Email address provided		
Normal Flow:	<ol style="list-style-type: none"> 1. User click on E-mail address input field 2. User type in E-mail address 		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		
Notes and Issues:	None		
Use Case ID:	UC-1.1.5		
Use Case Name:	Provide Valid Password		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	General User (Any User)		
Description:	This use case allow a user to provide a valid password		
Frequency of Use:	Every time user wants to sign in		
Preconditions:	Password not provided		
Postconditions:	Password provided		
Normal Flow:	<ol style="list-style-type: none"> 1. User click on the password input field 2. User type in the password 		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		
Notes and Issues:	None		
Use Case ID:	UC-1.1.6		

Use Case Name:	Provide Contact Information		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	General User (Any User)		
Description:	This use case allow a user to provide his/her contact information		
Frequency of Use:	Every time user wants to register		
Preconditions:	Contact information (mandatory/optional) not provided		
Postconditions:	Contact information (mandatory/optional) provided		
Normal Flow:	<ol style="list-style-type: none"> 1. User click on the contact information input field 2. User type in the contact information 		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		
Notes and Issues:	None		

Use Case ID:	UC-1.2.1		
Use Case Name:	Search Books		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	Buyer		
Description:	This use case allow a Buyer to search for book he/she wants to buy		
Frequency of Use:	Every time Buyer wants to buy a book		
Preconditions:	Buyer was on search page		
Postconditions:	Buyer has a list of results		
Normal Flow:	<ol style="list-style-type: none"> 1. Buyer visit the search page 2. Buyer provide title/author/edition 3. Buyer select sort with distance/price option 4. Buyer click on search 		
Exceptions:	None		

Extends:	Sort Results With Distance Sort Results With Price
Special Requirements:	None
Assumptions:	User has internet access
Notes and Issues:	None

Use Case ID:	UC-1.2.2		
Use Case Name:	Reserve Books		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	Buyer		
Description:	This use case allow a Buyer to reserve a book he/she wants to buy		
Frequency of Use:	Every time Buyer found a book he/she wants to buy		
Preconditions:	Buyer searched book and has a list of results, but does not have reservation on the book		
Postconditions:	Buyer has reservation/on the wait list of the book		
Normal Flow:	1. Buyer click on the reserve button		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		
Notes and Issues:	None		

Use Case ID:	UC-1.2.3		
Use Case Name:	Cancel Reservation		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	Buyer		
Description:	This use case allow a Buyer to cancel a reservation he/she made		

	before
Frequency of Use:	Every time Buyer decide not to buy a book
Preconditions:	Buyer has a reservation on a book
Postconditions:	Buyer does not have a reservation on the book
Normal Flow:	<ol style="list-style-type: none"> 1. Buyer visit the reserved book page 2. Buyer click on the cancel reservation button
Exceptions:	None
Includes:	None
Special Requirements:	None
Assumptions:	User has internet access
Notes and Issues:	None

Use Case ID:	UC-1.3.1		
Use Case Name:	Post Book		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	Seller		
Description:	This use case allow a seller to post a book he/she wants to sell		
Frequency of Use:	Every time a Seller has a book to sell		
Preconditions:	Seller has not posted the book for sale		
Postconditions:	Seller has posted the book for sale		
Normal Flow:	<ol style="list-style-type: none"> 1. Seller visit the book posting page 2. Seller provide book title/author/edition 3. Seller click on post button 		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		

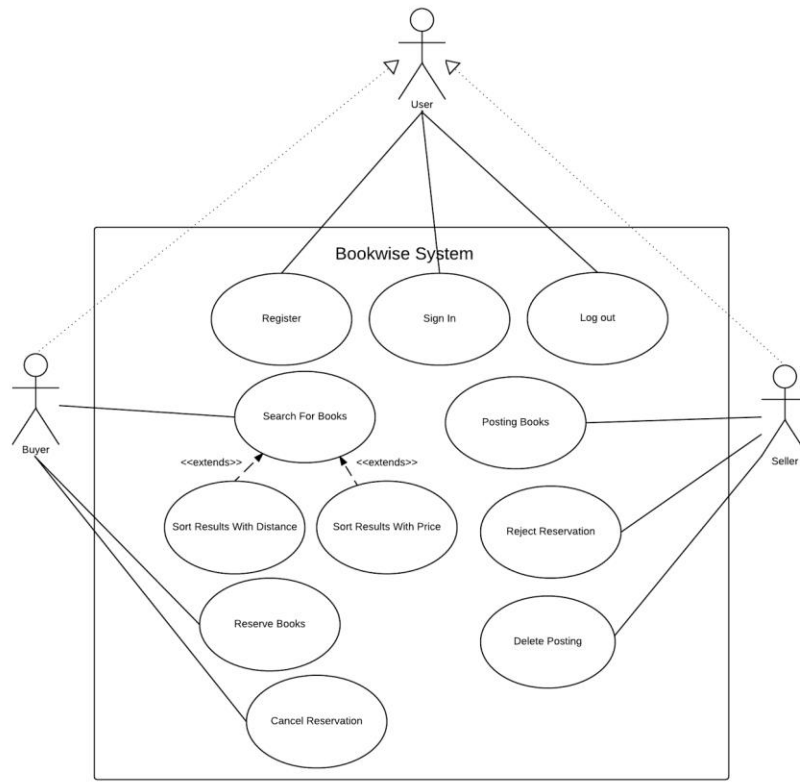
Notes and Issues:	None
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Use Case ID:	UC-1.3.2		
Use Case Name:	Reject Reservation		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	Seller		
Description:	This use case allow a seller to reject a reservation a buyer made		
Frequency of Use:	Every time a seller decide not to sell the book to a buyer who made a reservation		
Preconditions:	The buyer has a reservation on the book		
Postconditions:	The buyer no longer has a reservation on the book		
Normal Flow:	<ol style="list-style-type: none"> 1. Seller visit the posted book page 2. Seller click on reject reservation button 		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	User has internet access		
Notes and Issues:	None		

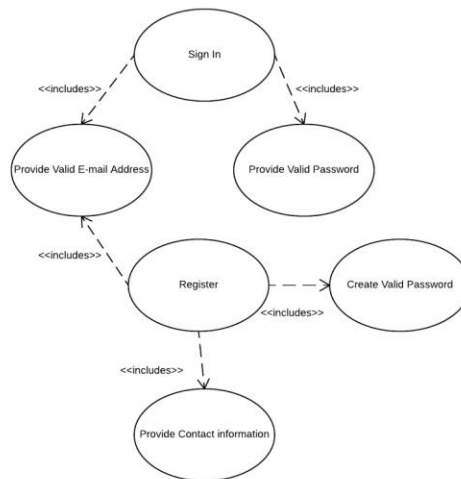
Use Case ID:	UC-1.3.3		
Use Case Name:	Delete Posting		
Created By:	Alimulla Shaik	Last Updated By:	Alimulla Shaik
Date Created:	Nov 9, 2015	Last Revision Date:	Nov 9, 2015
Actors:	Seller		
Description:	This use case allow a seller to delete a book he/she posted		
Frequency of Use:	Every time a seller decide not to sell the book		
Preconditions:	The book was posted for sale		
Postconditions:	The book is no longer posted for sale		

Normal Flow:	<ol style="list-style-type: none"> 1. Seller visit the posted book page 2. Seller click on delete posting button
Exceptions:	None
Includes:	None
Special Requirements:	None
Assumptions:	User has internet access
Notes and Issues:	None

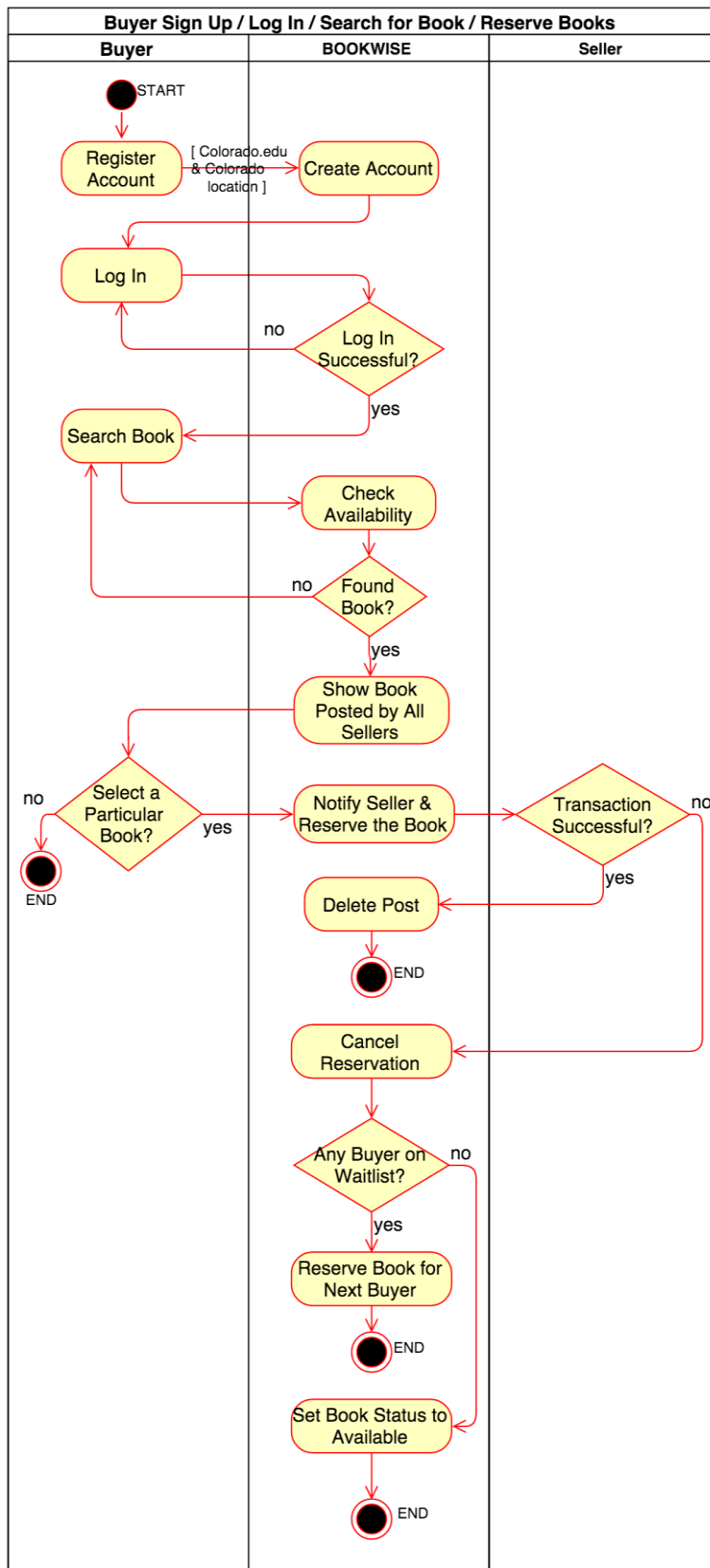
Use case diagram for cancelling reservation:



Sub-Diagram



Activity Diagram for Canceling Reservation:

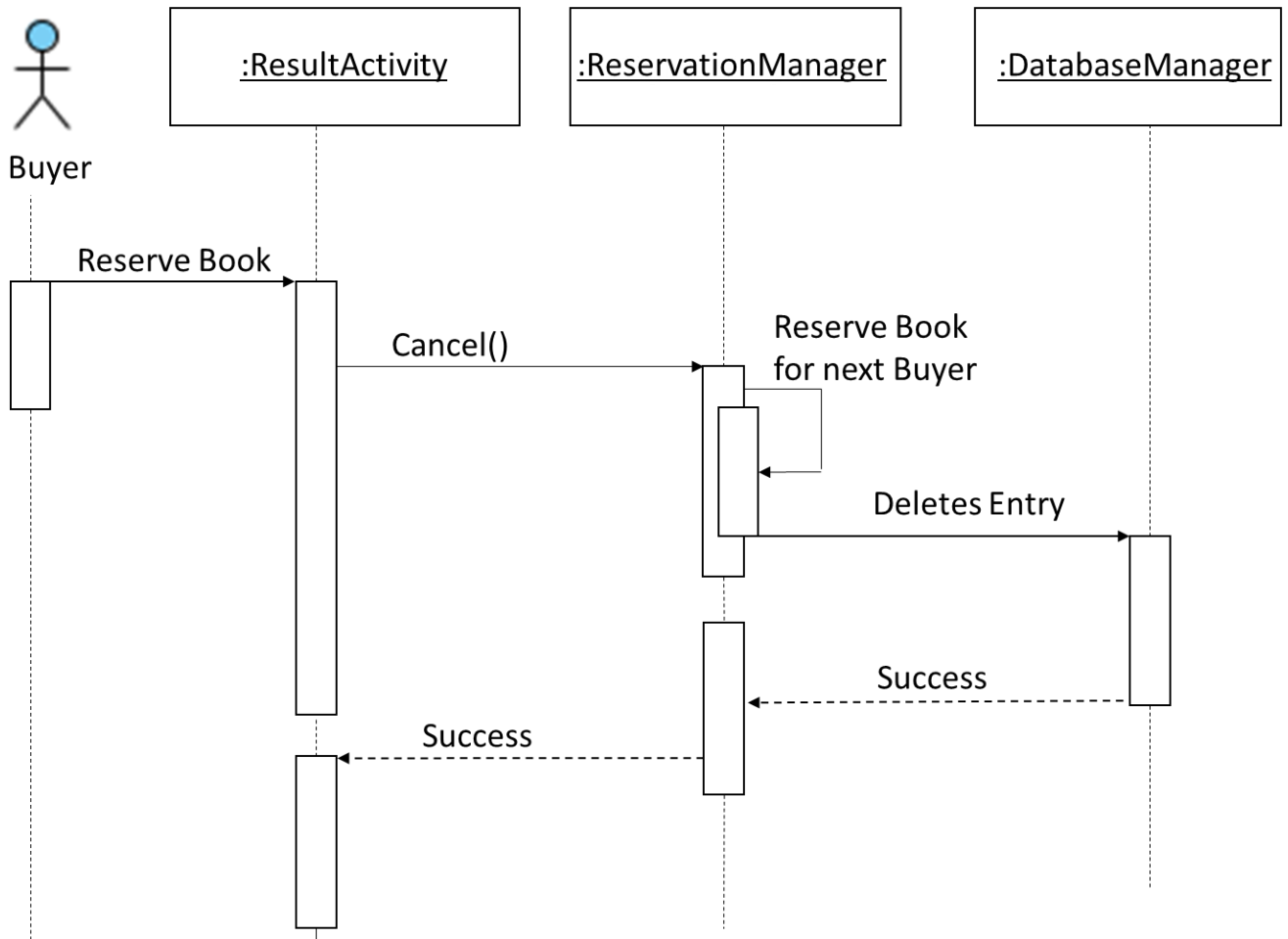


User Interactions:

Cancelling reservation use case is described below.

Cancelling Reservation Sequence Diagram:

Cancelling Reservation Sequence Diagram



Class Diagram:

