

## CSCI 4448: Project Part 2 (Individual)

**Name:** Matt Oakley

**Project:** Virtual Library

### **Requirements:**

**US-05:** “As a user, I want to retrieve the word-count of a book that I select so that I can see how large or small it is.”

**US-10:** “As a user, I want to be able to make a comment about a book in my virtual library so that I can record my thoughts about the book.”

### **Use Case Documents:**

Use Case ID:	US-05							
Use Case Name:	Retrieve word-count							
Description:	After a user selects a book in their library, they have the option to view the word-count of a the book they select which is then printed to the screen.							
Actors:	Standard User							
Pre-conditions:	The user must have at least 1 book in their library which they then select and be signed into their account.							
Post-conditions:	None.							
Frequency of Use	However often the user wants to see the word-count of a selected book. There really isn't any limit on the number of times that they can do this. They also may choose to not do it at all.							
Flow of Events	<table><tr><td></td><td>Actor Action</td><td>System Response</td></tr><tr><td>1</td><td>User clicks on book they want to retrieve the word count of from</td><td>Selected book is highlighted and user is taken to a page specific</td></tr></table>			Actor Action	System Response	1	User clicks on book they want to retrieve the word count of from	Selected book is highlighted and user is taken to a page specific
	Actor Action	System Response						
1	User clicks on book they want to retrieve the word count of from	Selected book is highlighted and user is taken to a page specific						

		their displayed library	to that book.
	2	User views the displayed word-count for that book.	
	3	User clicks the “Back” button and is taken to their homescreen.	User is taken back to their homepage.
<b>Variations:</b>			
<b>Exceptions:</b>		1. User doesn't have an account already in which case they will need to register with the system. 2. User doesn't have a book in their library in which case they need to search and add a book to their library	
<b>Notes:</b>			

<b>Use Case ID:</b>	US-10
<b>Use Case Name:</b>	Make comment
<b>Description:</b>	After a user selects a book in their library, they have the ability to write a comment about it. This comment is then saved and stored in a table corresponding to that specific user and that specific book.
<b>Actors:</b>	Standard User
<b>Pre-conditions:</b>	The user must have at least 1 book in their library which they then select and be signed into their account.
<b>Post-conditions:</b>	The user must press the “Save Comment” button in order for their comment to be saved/recorded.
<b>Frequency of Use</b>	However often the user wants to make a comment about a specific book. They have the option to make multiple

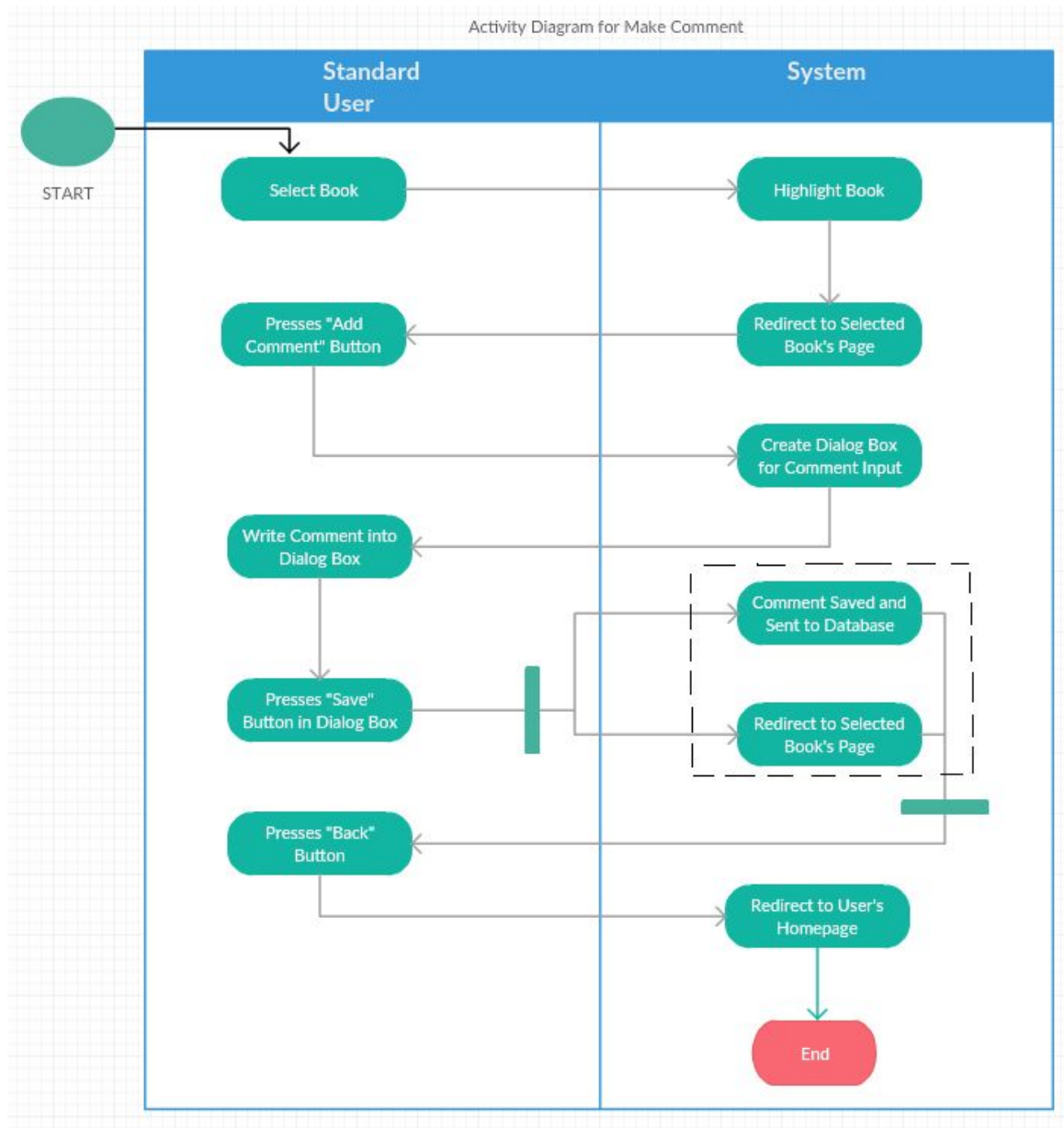
	comments about a single book or not make a comment at all.		
Flow of Events		Actor Action	System Response
	1	User clicks on book they want to make a comment about from their displayed library.	Selected book is highlighted.
	2		User is redirected to specified book's page.
	3	User presses the "Add Comment" button.	New dialog box appears waiting for user to write comment.
	4	User writes comment into dialog box.	
	5	User presses the "Save" button.	Comment is sent and stored to the database and user is redirected to book's page.
	6	User clicks the "Back" button and is taken to their homescreen.	User is taken back to their homepage.
Variations:			
Exceptions:	1. User doesn't have an account already in which case they will need to register with the system. 2. User doesn't have a book in their library in which case they need to search and add a book to their library		
Notes:	May be smart to have a limit on the amount of characters the user has to make a comment so the database doesn't get overcrowded with data.		

### Activity Diagram:

Requirement: US-10

Use Case: "Make Comment"

Description: Activity diagram corresponding to how a user would go about making a comment



## Sequence Diagram:

Requirement: US-10

Use Case: "Make Comment"

Description: Sequence diagram corresponding to how a user would go about making a comment

