LIBRARY MANAGEMENT SYSTEM

EXTRA CREDIT WORK – TAUSEEF INDIKAR

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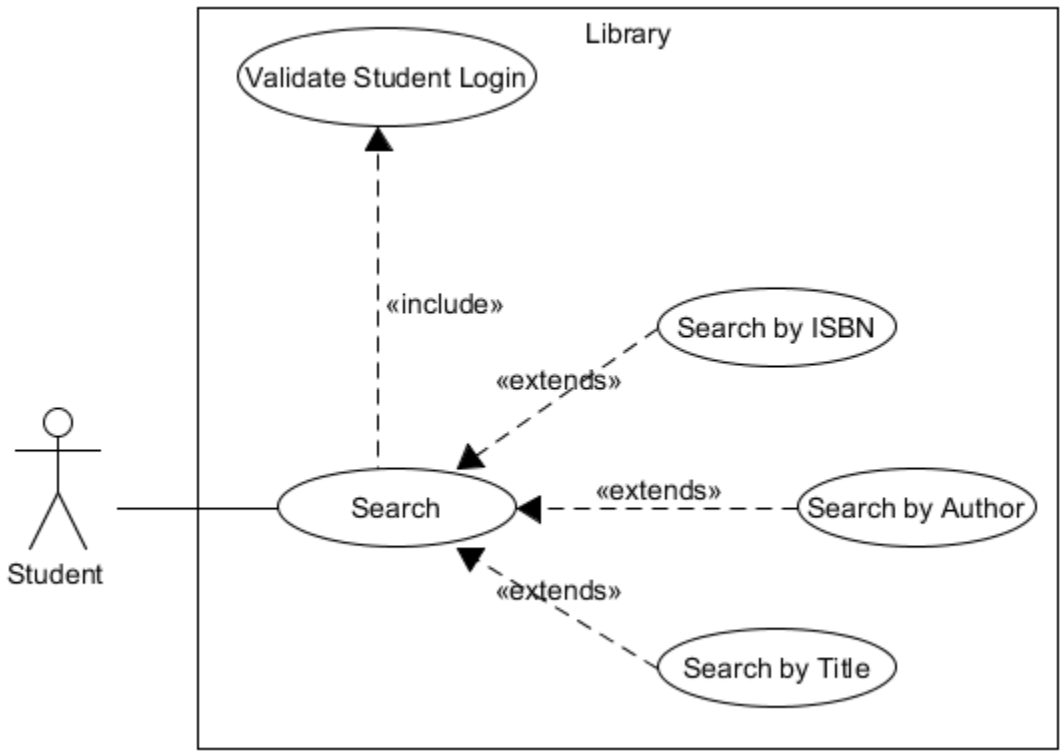
INTRODUCTION

I have taken the Library Search Interface as a use case for study. The function is basically required to take in search requests based on the users Search Input and Search Type. Three search types are available: Search by ISBN, Search by Author and Search by Title. These will extend the Search function. Some functions have been added to the previously presented Proposal. Also changes have been made in the Model Library function which has now been divided into database actions based on user to have classes with lesser functionality as suggested by Liz Boese.

USE CASE DIAGRAM

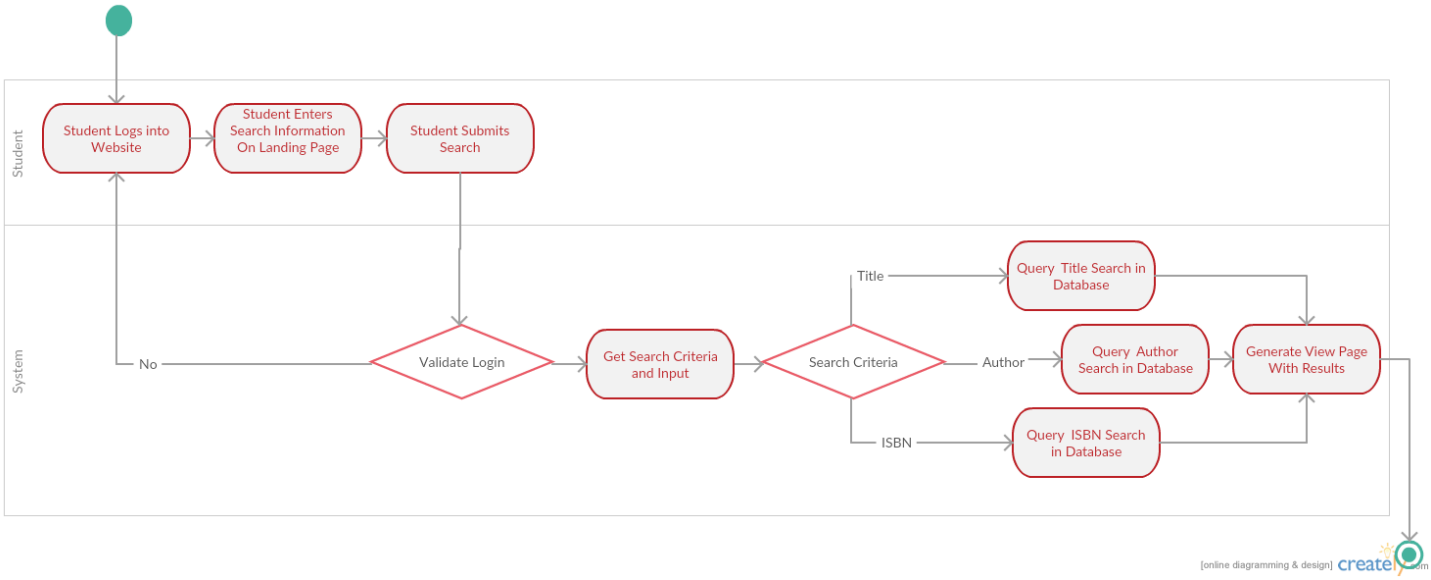


USE CASE DOCUMENTS

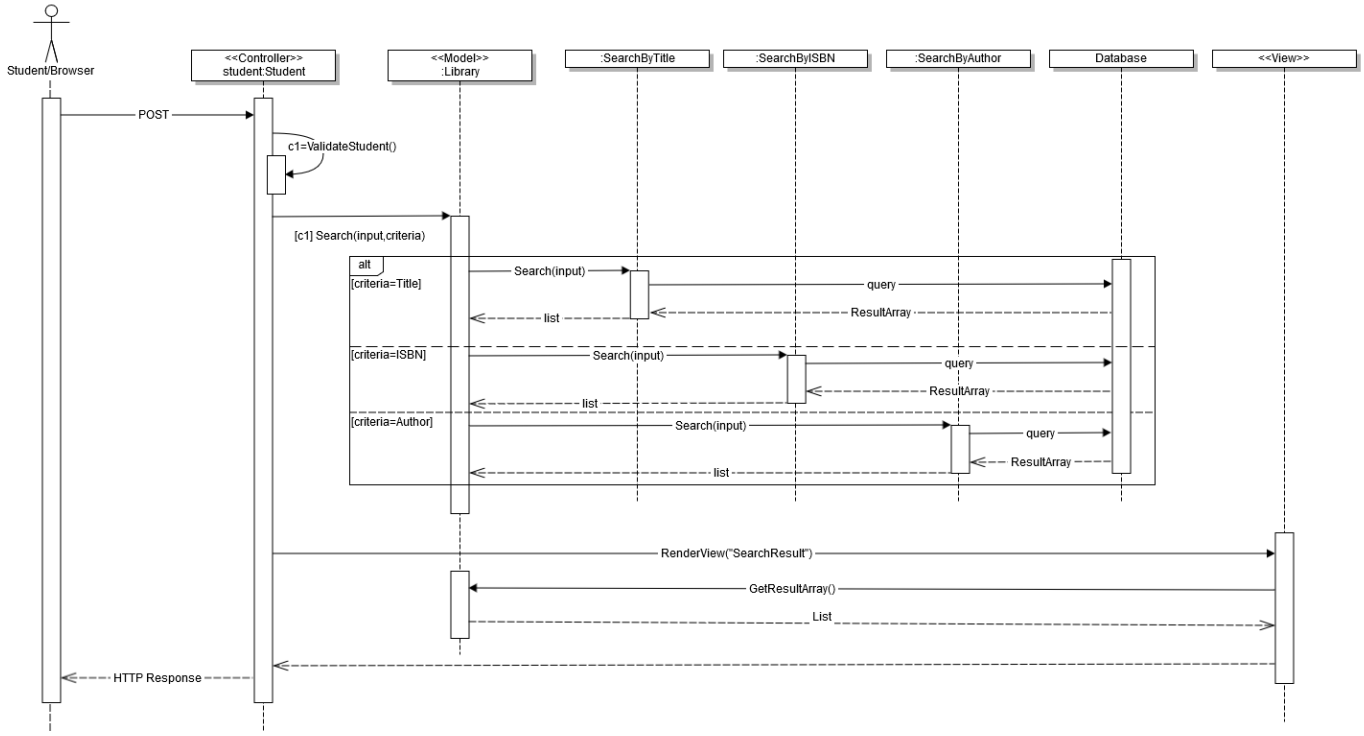
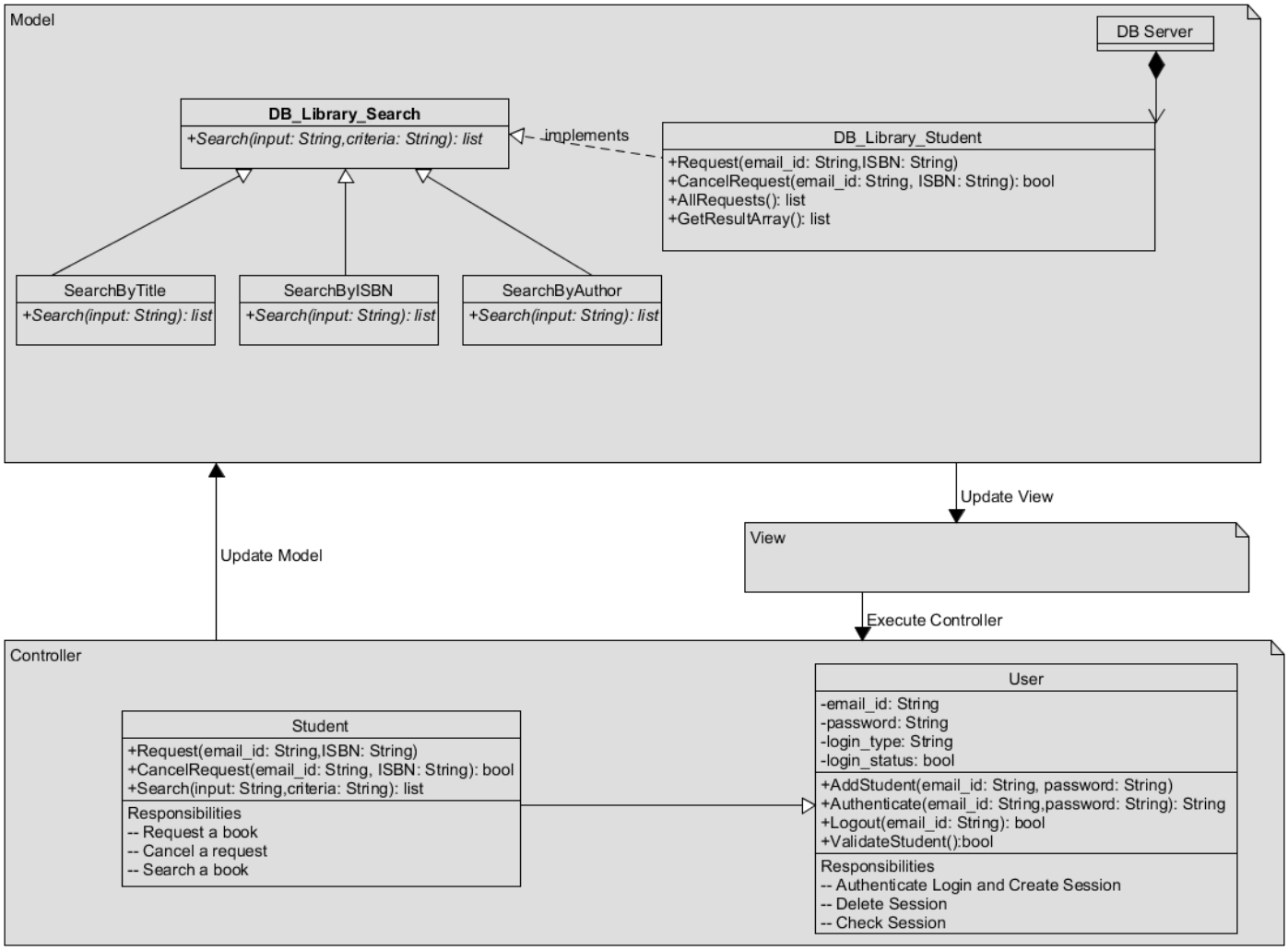
Use case name	**Login**	
Participating actors	Initiated by **Librarian/Administrator/Student**	
Flow of events	**Actor** 1. **User** enters login information 2. **User** hits submit button	**System** 2. System Authenticates Login 3. Displays Back Landing page for based on type of user on Login
Entry Conditions	N/A	
Exit Conditions	Session information is saved	

Use case name	**Search**	
Participating actors	Initiated by **Student**	
Flow of Events	**Student**	**System**
	1. Student lands on homepage after login 2. Student selects type of search 3. Student enters text to search 4. Student hits search button	4. Database is queried for books that satisfy the search input and criteria 5. These are displayed back to the users browser
Entry Conditions	**Student** is logged into **LibraryManagementSystem**	
Quality Requirements	Query can be performed on database	

ACTIVITY DIAGRAM



SEQUENCE DIAGRAM



CLASS DIAGRAM