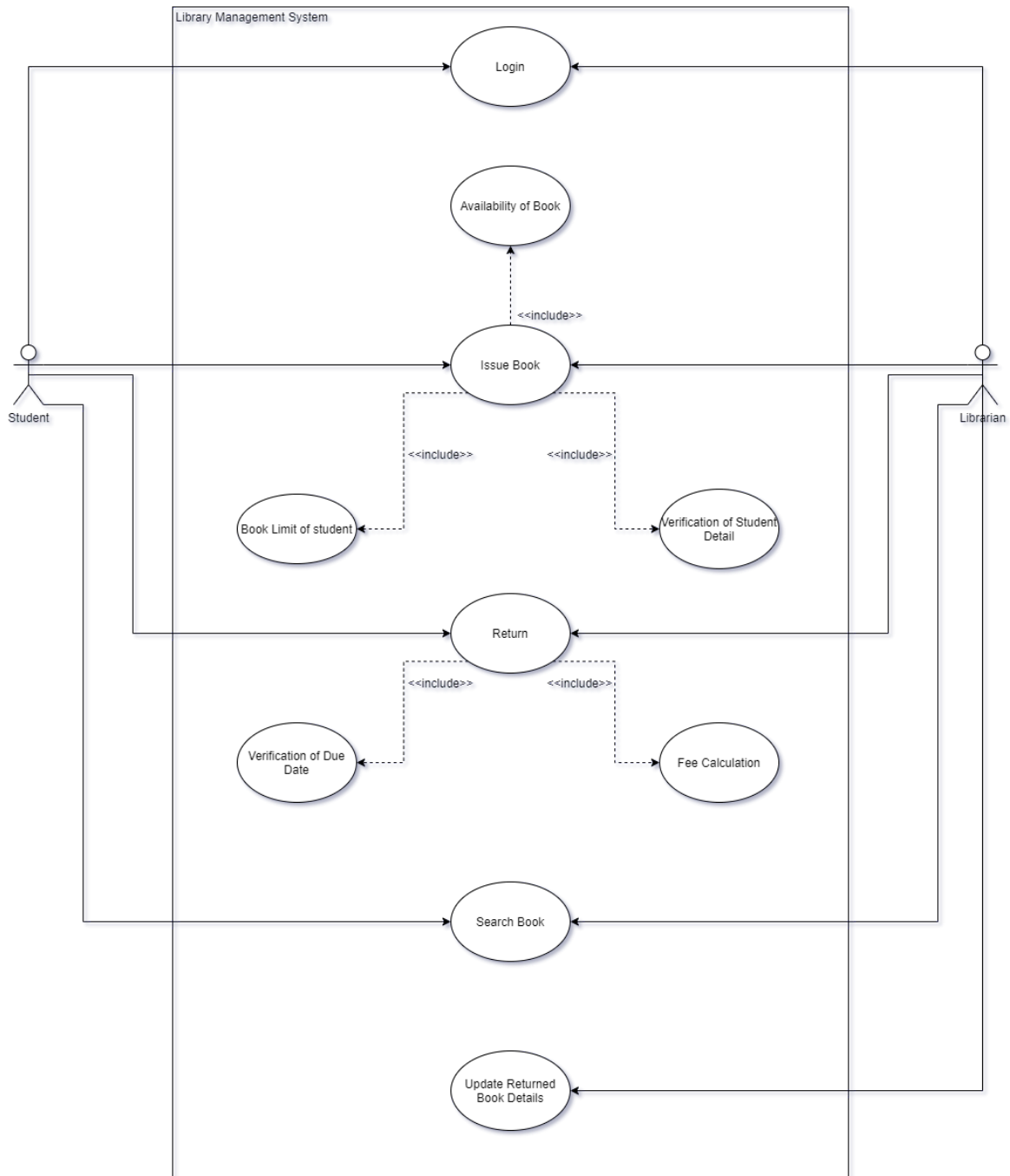


Group27 - Lab 8

1. The use case diagram of the library management system

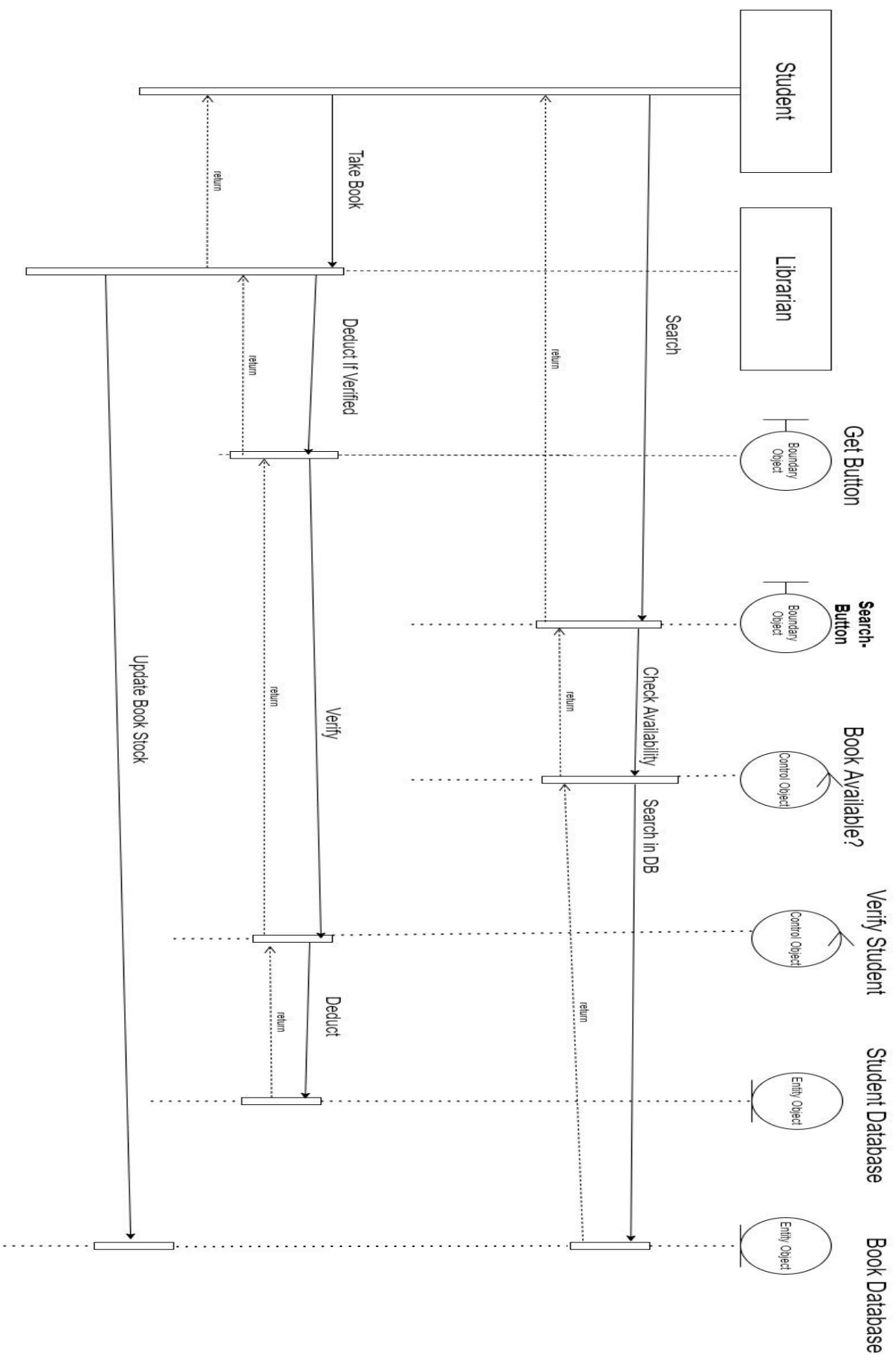


Issue book use case Description:

Use Case	Actor	Description
Issue Book : Student will be able to issue book	Student	Firstly the student logs in to the system. Then searches for the book Then visit the Librarian to issue the book
	Librarian	The Librarian first check if the student requesting is registered and has not reached the maximum number of books limit. If yes, the librarian Issues the book and marks the due date.

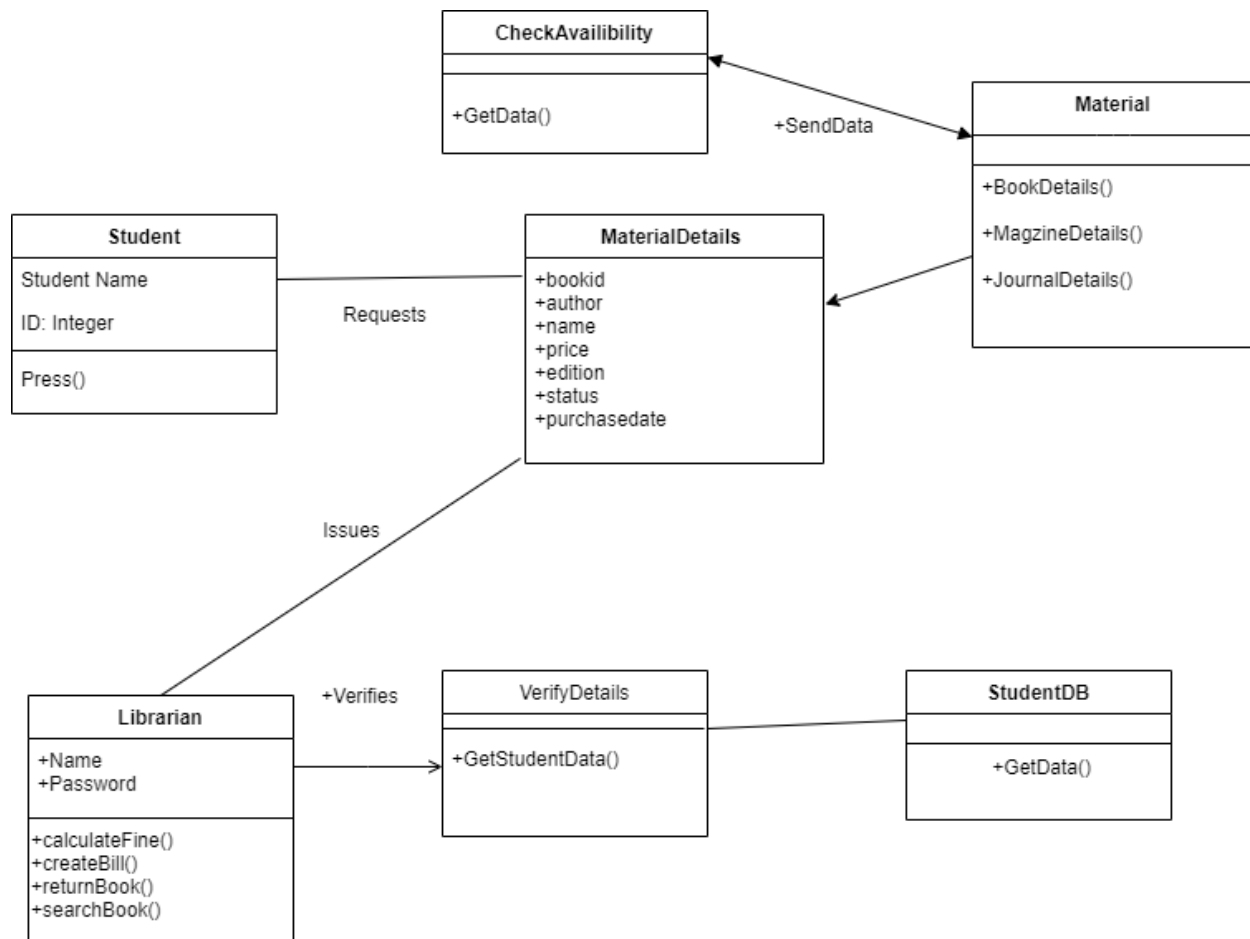
2. The sequence diagram for the “issueBook” use case.

(Hint: Here you need to identify various analysis objects (corresponding to entity, boundary, and control classes), and show their interaction to realize the “issueBook” use case.)



3. Draw the analysis object diagram for the “issueBook” use case analysis.

Library Management System



Q.2. To give an exam, an instructor first notifies the students of the exam date and the material to be covered. She then prepares the exam paper (with sample solutions), gets it copied to produce enough copies for the class, and hands it out to students on the designated time and location. The students write their answers to exam questions and hand in their papers to the instructor. The instructor then gives the exam papers to the TAs, along with sample solutions to each question, and gets them to mark it. She then records all marks and returns the papers to the students. Draw a sequence diagram that represents this process. Make sure to show when is each actor participating in the process. Also, show the operation that is carried out during each interaction, and what its arguments are.

