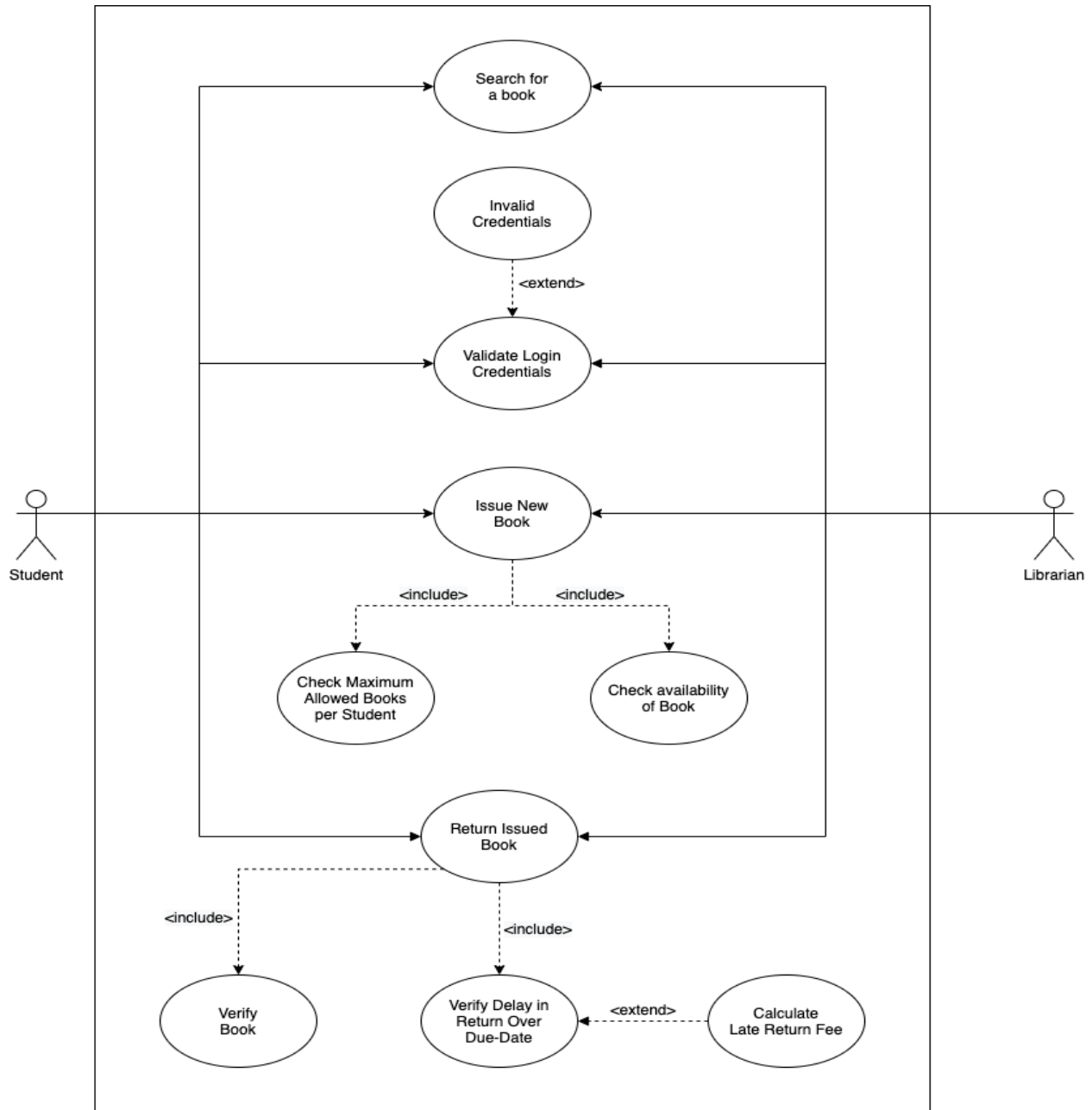


# IT314 Software Engineering

## LAB 8

Q1.

### 1. Use case Diagram for Library Management System



## Use Case Documentation

**Name:** Issue book

**Actors:** Librarian, Database

**Goal:** Successfully issuing a book

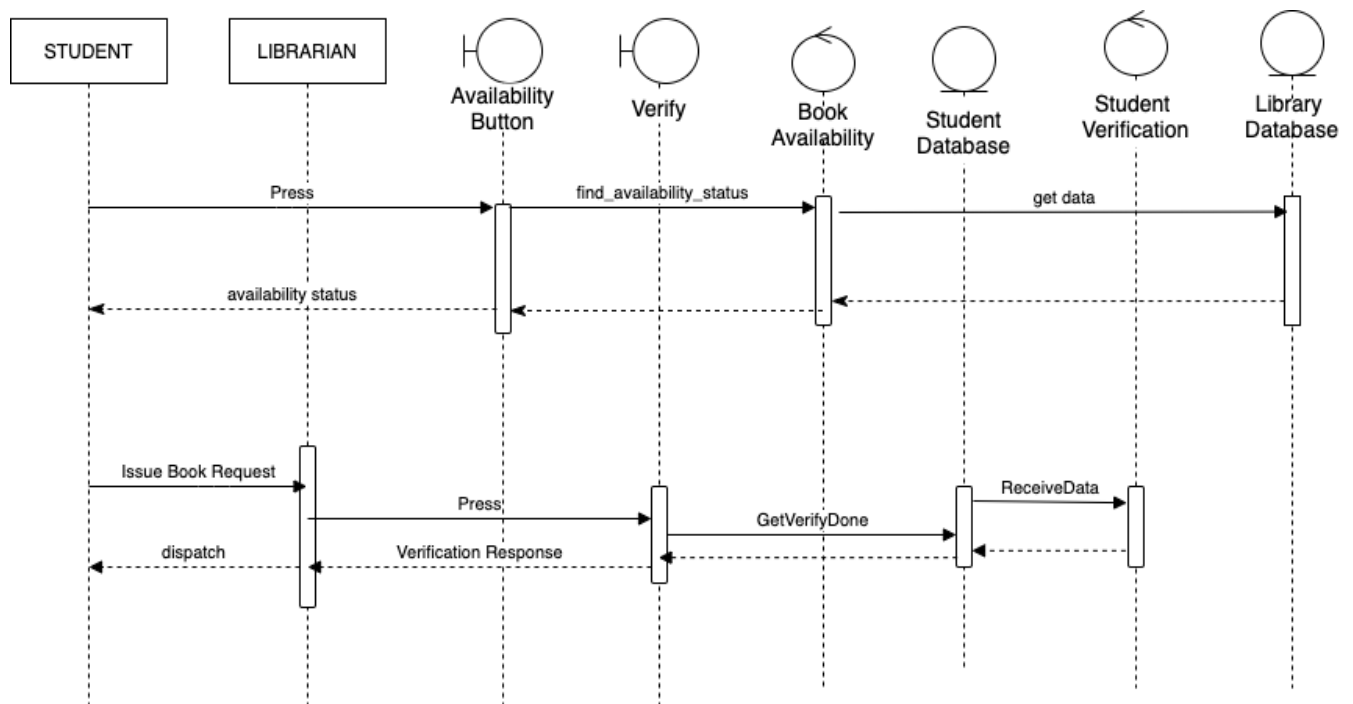
**Pre-Condition:** The library staff must be logged onto the system before the use case begins. The student should be registered with the institute.

**Description:**

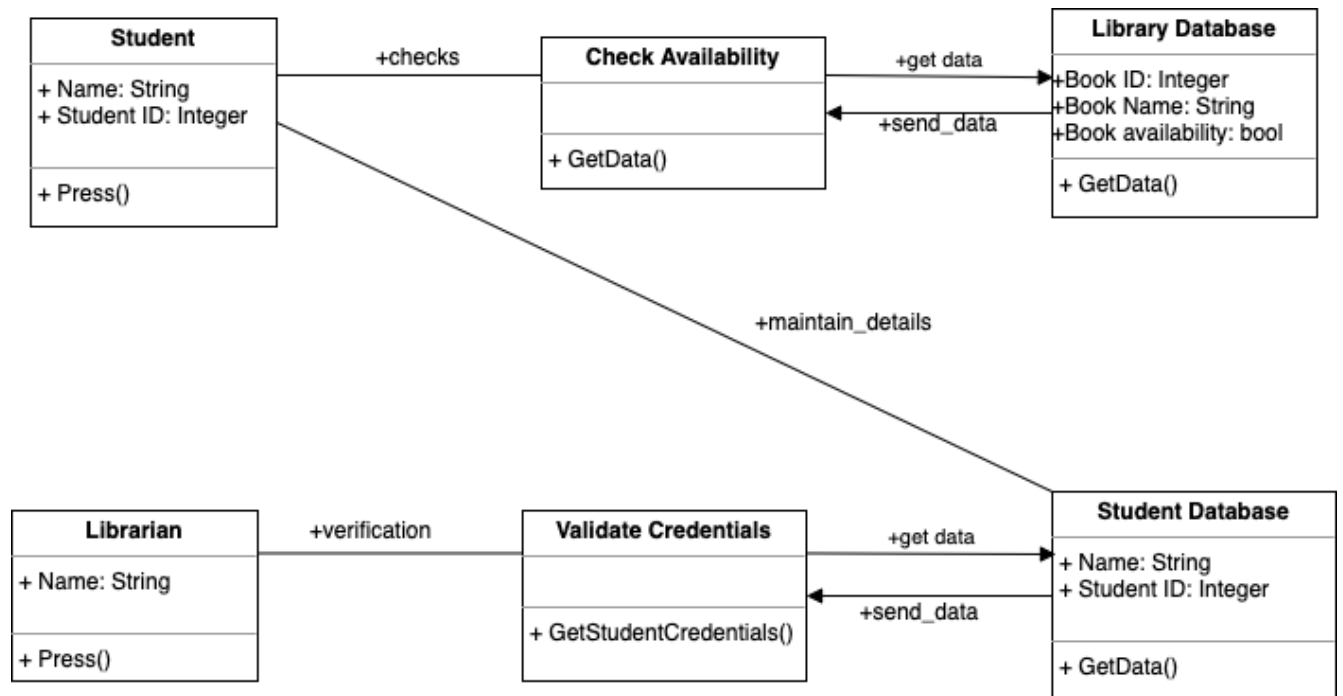
1. The availability status of the book is retrieved from the database.
2. The maximum limit of issued books for the student is verified.
3. The book is finally issued for a specified number of days.

**Post-Condition:** If the use-case is successful, a book is issued to the student and the database is updated.

## 2. Sequence Diagram diagram for “issueBook” use case



### 3. Object Diagram for “issueBook” use case



Q2.

