IT314 Lab 7 Report
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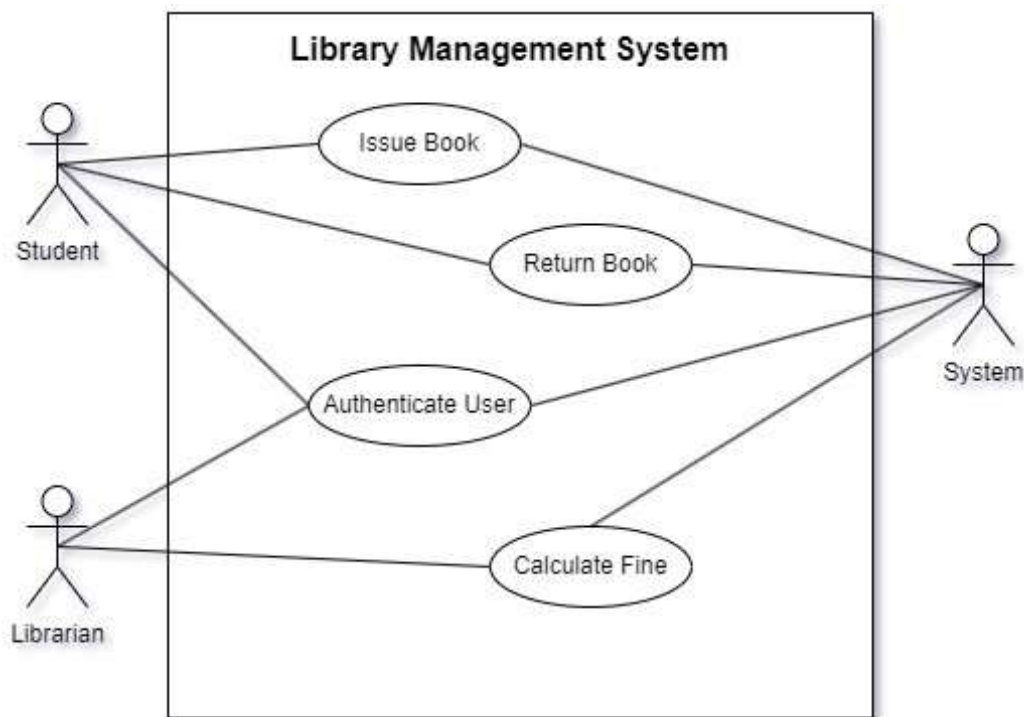# 202101449

Contents

1 Library Management System

1.1 Use Case Diagram

1.2 Use Case Documentation

Use case name : Issue Book

Description : Represents the process Issuing book

Primary Actors : Registered Students

Secondary Actors : Library, Librarian

Pre-conditions:

- Registered student must be logged in and authenticated by the librarian.
- The book being issued must be available in the library.

Post-conditions:

- The book is marked as issued to the student.
- The due date for returning the book is set.
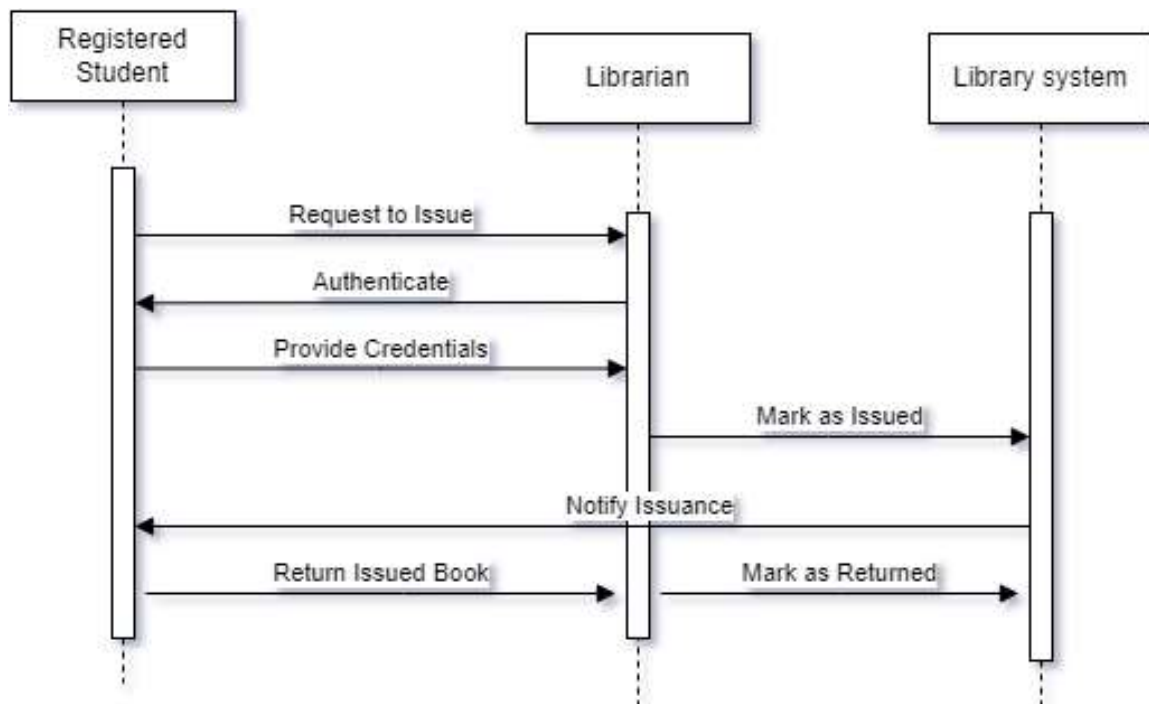- The student is notified of the successful issuance.

Main flow:

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- The registered student requests to issue a book.

- The system validates the student's authentication status.

- The system checks if the requested book is available.

- If the book is available, the system marks it as issued to the student.

- The system sets the due date for returning the book.

- The system notifies the student and the librarian about the successful issuance.
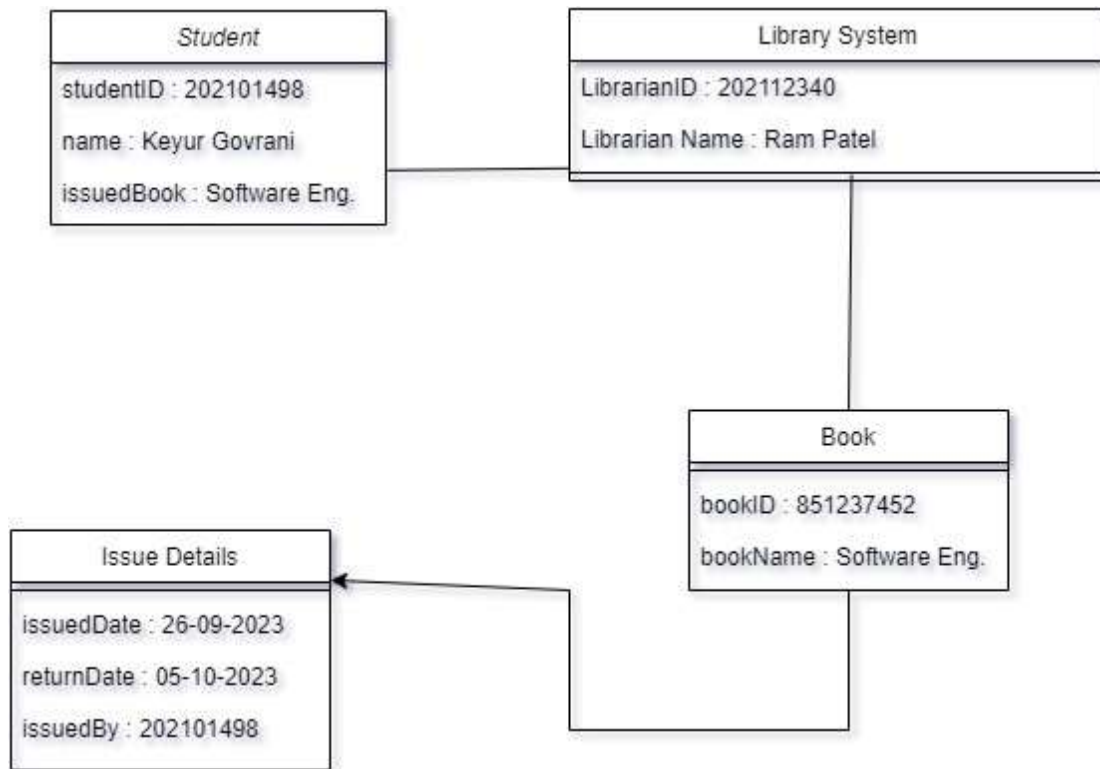
Alternate Flows:

- If the book is not available, the system notifies the student that the book cannot be issued at the moment.

- If the user is not authenticated, the system notifies the librarian

1.3   Sequence Diagram

1.4   Analysis Object Diagram

2 Examination Management Process