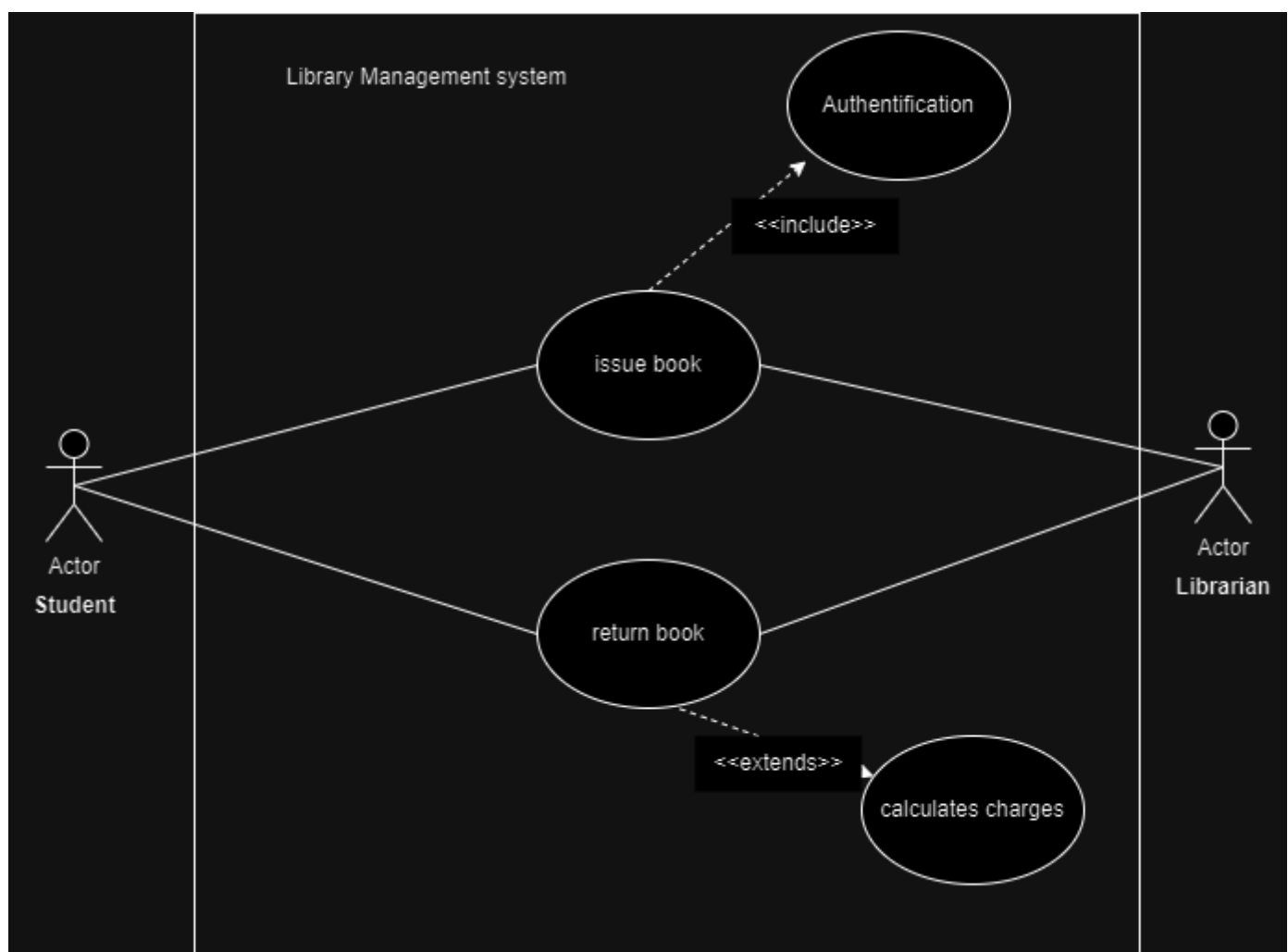


IT314
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202101258
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Q1 Develop the following documents for the Library Management System.

1. Use case Diagram: -



Use Case Description: -

Use case name: Issue Book

Description: This use case represents the process of Issuing a book from the library.

Primary Actors: Students

Secondary Actors: Library system, 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.

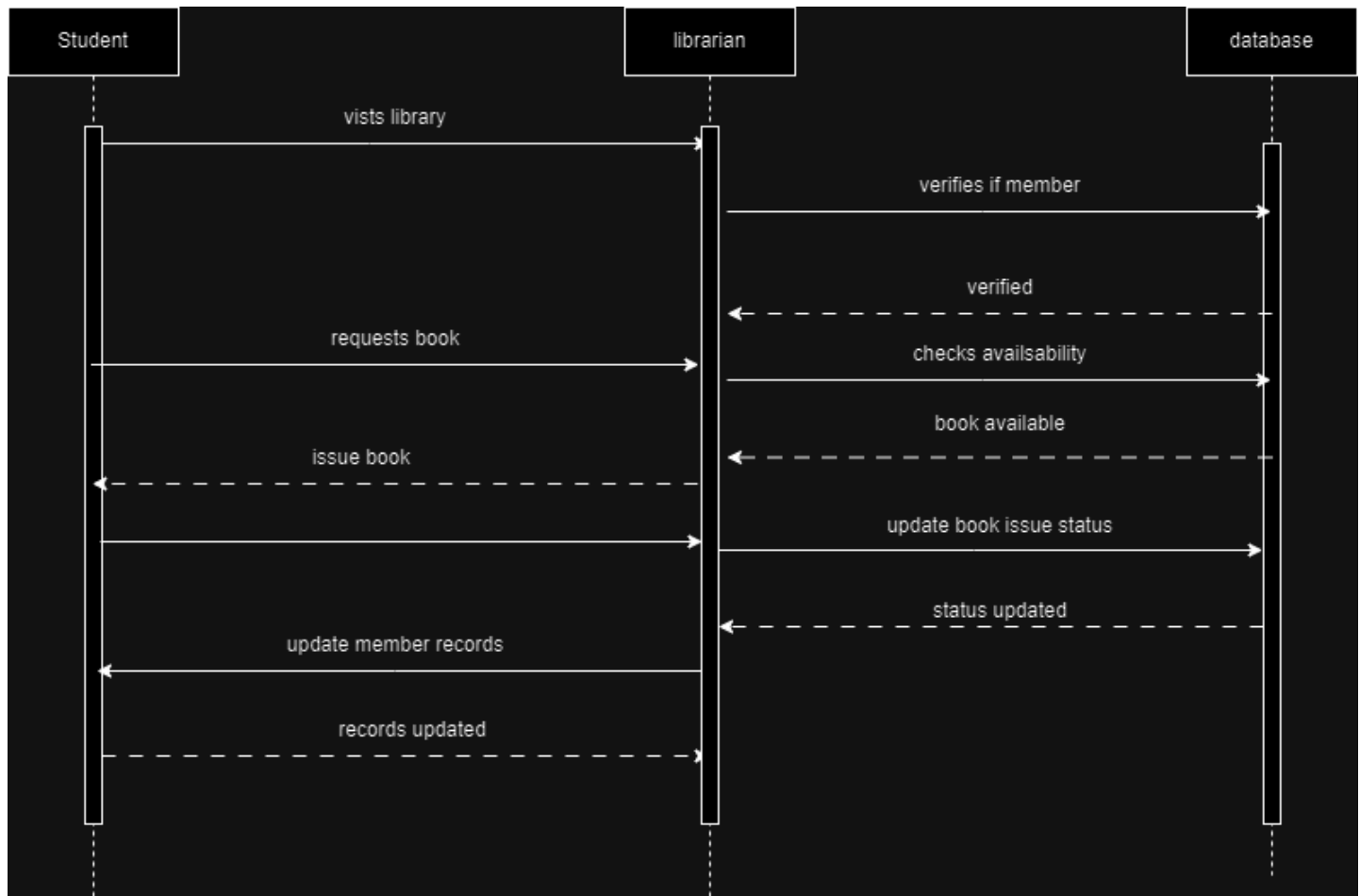
Main flow:

- 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.

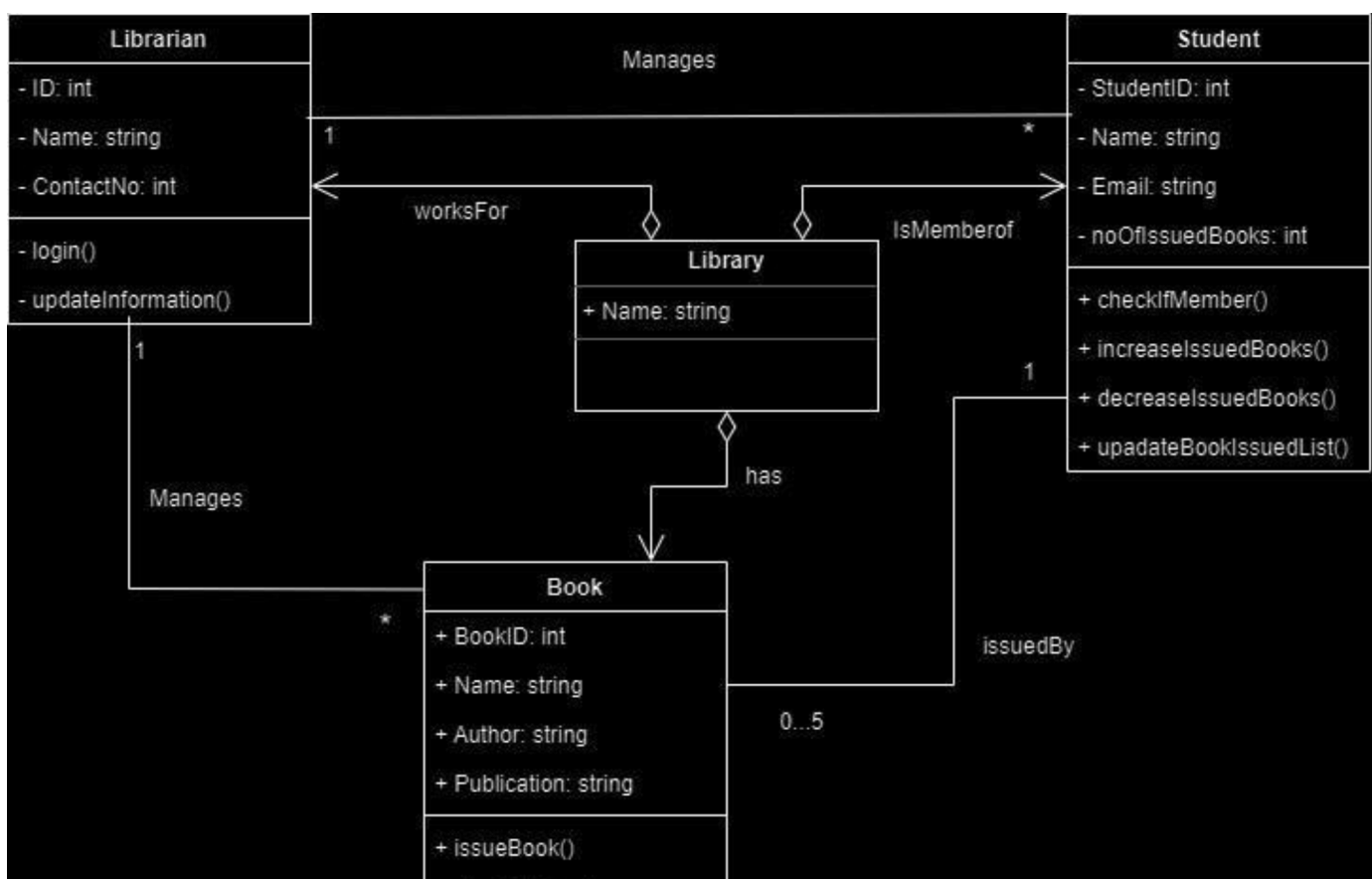
Alternate Flows:

- 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.

2. Sequence Diagram: -



3. Analysis Object Diagram: -



Q2 Draw a sequence diagram for the given Examination Management Process.

