

ABESIT IDEATHON 1.0

TEAM NAME : TENACIOUS

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Problem Statement

In many institution of learning, library management has become a problem due to the continued use of manually supported system. Kampala International University Dar salaam Campus is among those affected by the above problem due to the increased number of students. The current system makes it hard to serve students effectively. This is seen when students queue for not less than 10 minutes to borrow a book from a librarian who has got to register each student and the book borrowed manually hence wasting a lot of time. It is this perceived inefficiency and its associated high cost of labor in hiring several library assistants that rendered this study important.

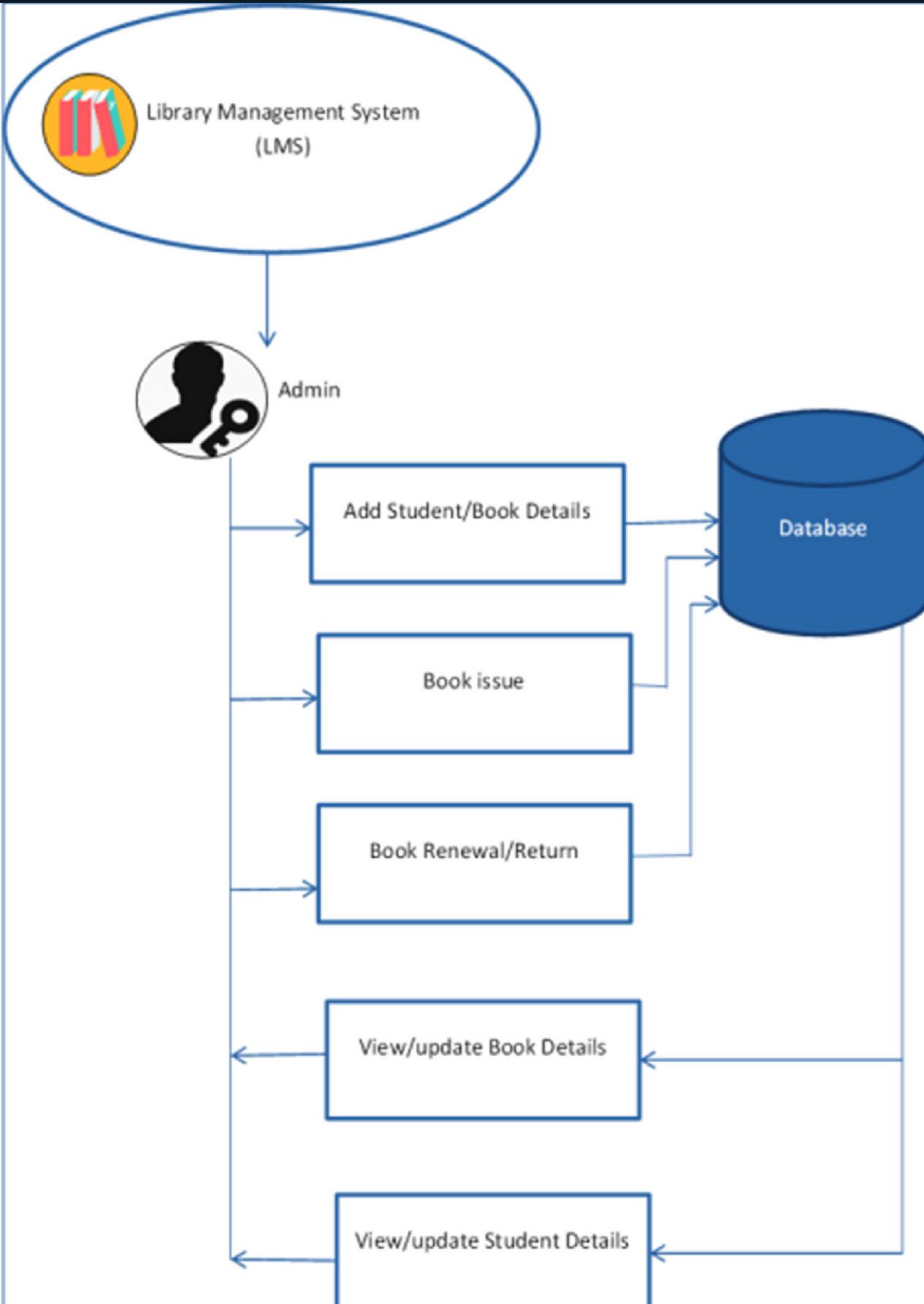
THE PROCESS

- The library member visits the library and searches for the book they want to borrow using the library's online catalog or through the help of the library staff.
- If the book is available, the library staff checks out the book to the member using the LMS.
- The LMS records the details of the book, such as the title, author, borrower's name, and due date.
- The member can then take the book and read it for the duration specified by the library staff.
- On the due date, the member returns the book to the library staff, who checks it back in using the LMS.
- The LMS updates the status of the book as "available" and records the return date.

PROJECT USE CASES

- Replace manual system by digital system using C++ and database
- Reducing cost of labour

DATA FLOW DIAGRAM



Technology Bucket

CPP

Thank You!

Any Queries ?