

Software Backend Task:

Task1:

Create book management system application using **Python** programming language and **Flask** web framework

That has users able to register, login in and log out and after login able to do some actions for books like list all books, retrieve specific book, add specific book, update or delete specific book.

We need to

- 1- Design book management system API Endpoints and their methods
- 2- Plan request and response formats
- 3- Implementing book management system APIs

Task2:

Design and implement Logger class that will be used by different simultaneous processes to log all interactions using in C++ programming.

We need to

1. Implement the Logger class.
2. Ensure writing logs to a file is consistent.
3. Demonstrate the implementation with test cases.