JSP/SERVLETS

Project Description

We want to implement a Library management web application. The application s contains two main modules namely,

* The Library Agent Module: the features to be implemented in this module are the following:
* Approve new users' subscriptions: the agent can approve or deny the new membership requests done by the new library subscribers. He should be able to assign a borrow quota (maximum books to borrow at any time) for every new approved membership.
* Handle books: the agent can add, remove or update the books' information. To add new book to the database, the agent enters the book title, the authors' names, the number of copies and some keywords deduced from the table of contents. He should be able to upload also the scanned version of the table of contents. The agent should indicate also the maximum borrow period which varies from "on site" to "two weeks".
* Send reminders and notifications: the agent should be capable to get the list of subscriber that should bring back the book to the library within two days maximum as well as the late subscribers. He should be able to send reminders or warnings to the correspondent subscribers.
* Ban subscriber: the agent should be able to ban subscribers that have got more than 3 warnings or have brought back the books they have 10 days late
* The subscriber module: the features to be implemented in this module are the following:
* Subscribe: the subscriber should be able to make an online subscription the library management system and wait for the agent approval to proceed with the rest of the online services
* Look for and reserve books: the subscriber should be able to look for books using different search options such as the book title, the author name and keywords. He should be able to get access to the table of contents of any book displayed in the searching result page. He should be able to reserve a selected book without exceeding his quota.
* Display status: the subscriber should be able to know his status in terms of: Number of warnings received, Banning status (Banned or not), Quota exhausted or not (how many books to borrow)