

Library

The purpose of the project is to develop web based system for library.

Basic Business Requirements

The system must provide the following functionality:

- Registry with books with the following actions:
 - Add book
 - Edit book
 - Delete book
 - Search for a book – by Name, Author, Year of publishing
- Registry with clients with the following actions:
 - Add client
 - Edit client
 - Delete client
 - Search for a client – by Name, PID, Date of birth
- Registry for lending books with the following actions:
 - Add new lend (must select book, client and period for lending)
 - Edit lend
 - Search for lend – by Book, Client Name, Date of lending, Date of return

Advanced Business Requirements

Additionally the system can provide the following functionality:

- Login page
- Administration registry for users with the following actions:
 - Create user – can be administrator or user
 - Deactivate user
 - Search for user – by Username, Name, Type, Status
- Secure the application so that only authenticated user can see pass the login page
- Add authorization so that only admin users can:
 - Edit lend
 - Create user
 - Deactivate user
 - Search for user
- Add option for the user to edit his own details
- Logout with redirect to the login page

“Nice to have” Business Requirements

Nice to have features are:

- System log – keeping log for occurred exceptions
- User log – keeping log for the user actions
- Common error handling page – all runtime exceptions to lead to common page
- Styling – style the pages