

Book Management System

Problem Statement

You will need to build a simple book management system with the following functionalities:

- Authentication & Authorization. A user can belong to one of the below roles:
 - **Admin**
 - Has all privileges, to create, read, update, delete **all** records.
 - Make a normal user an admin user
 - **User**
 - Has privilege to read **all** records but create, update, delete only **their** records.
- Minimal Schema
 - A user record should contain username, password, email etc.
 - A book record should contain book name, author, price etc.
- Microservices : CRUD Operations on books, users etc.
- User Interface for performing the CRUD operations with above constraints.
- The user experience/flow is limited to your imagination.

Technology Stack Recommendations

- User Interface
 - jQuery/Angular/React/Vue
- Backend
 - Django/Flask/NodeJS/Laravel/SpringBoot/Vertx/GoLang
- Database
 - SQL/MongoDB

Note : You are free to mix and match any of the above frameworks. Brownie points for using template engines along with the backend.

Deliverables

- Publicly hosted website on your favourite **free** cloud provider (Heroku, Netlify etc.)
- URL to your code repository at git.amrita.edu
 - Ensure that you do not dump all the code in a single commit.
 - Have a README with the setup instructions and a brief description of your architecture.

Submission Link :

<https://forms.office.com/Pages/ResponsePage.aspx?id=o835AF4H5USqC6ujrdZTn6XFmBfwTFBBhJXbBW-J-9ZUM05BTjtUDJHMjdRWEhRRDZMTTZKVIE1TS4u>