Assignment Title: Backend Developer

Objective: This assignment is designed to assess your skills and expertise as a Backend Developer. You will be tasked with building a backend server for a given problem statement. Please follow the instructions carefully and submit your solutions by **next 24 hours** of receiving this Assignment.

Instructions: You have to build a server that handles below cases.

Task

Build an application for a library of books. It will have 2 types of users. Admin user and a Regular user.

- Implement a **/login** endpoint:
    - Assume sample data for users & user type in the backend itself, no need to add a database for this. Implement login authentication and JWT authorization and a successful login token should be provided.

- Implement a **/home** endpoint that will output a list of books according to the user type:
    - For regular users, read a file named regularUser.csv that contains some book names and send the book names in the API response.
    - For admin users, read the file named regularUser.csv and also read the file adminUser.csv and send all the book names in the API response.

- Implement a **/addBook** endpoint
    - Only admin type of user can access this endpoint
    - Accept parameters for Book Name, Author & Publication Year in this endpoint
    - Validate parameters as below:
        - Book Name & Author should be a string
        - Publication year should be a number depicting a valid year
    - If parameters are valid then do the following:
        - In regularUser.csv file, add this newly added book in the file content
        - Calling **/home** endpoint should now show this newly added book also in the API response along with existing book records

- Implement a **/deleteBook** endpoint
    - Only admin type of user can access this endpoint
    - Accept parameter for Book Name in this endpoint
    - Validate parameters as below:
        - Book name should be a string and should ignore upper/lower case while matching book name in CSV record
    - If parameters are valid then do the following:
        - In regularUser.csv file, delete this book from the file content
        - Calling **/home** endpoint should now show all books except the deleted book in the API response

Submission Deadline: 24 hours after assignment received

Submission: Submit your Codebase **ZIP file** on Google Drive and the **Google Drive file link with view access**

Click here to submit your assignment!

Please ensure that you provide clear and organised solutions for your task. Good luck with your assignment!