**Book Borrowing System**

Welcome to the Book Borrowing System! This application allows users to browse and borrow books, manage their borrowed books, and more. Below are the details and guidelines for using the system.

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**Features**

1. **Login and Logout:**
   * Users can log in to the system to access their personalized dashboard.
   * Logout functionality is available to log out from the system.
2. **Dashboard:**
   * Upon login, users are directed to the dashboard.
   * The dashboard displays a list of all available books, including Book name, Author, and Genre.
   * Users can view book details by clicking on a book, which opens a modal with additional information.
   * Users can borrow books if they have enough tokens. The "Borrow" button is visible for logged-in users only.
   * The dashboard also includes an "Add New Book" button, visible only to logged-in users.
   * User name and available tokens are visible in the header for logged-in users.
3. **Search Functionality (Bonus):**
   * Users can search for books based on name, author, and genre.
4. **Books Borrowed/Lent (Bonus):**
   * Users can view a list of books they have borrowed or lent.
   * Users can return their borrowed books.
   * Users can Add/Edit , Delete the books which are added by them.

**Database Setup**

* The database is set up using SQL Management Studio
* Database details and scripts are shared along with the assignment submission.

**Default Users**

Below are the credentials for default users:

1. **User 1:**
   * Username: user@1
   * Password: User1@
2. **User 2:**
   * Username: User@3
   * Password: User3@
3. **User 3:**
   * Username: user@2
   * Password: User2@
4. **User 4:**
   * Username: shreyn
   * Password: shreyansh1@

**Running the Frontend and Backend**

To run the Book Borrowing System, follow the steps below for both the frontend (Angular) and backend (.NET Web API).

**Frontend (Angular)**

1. **Install Node Modules:**
   * Open a terminal or command prompt in the Angular project directory.
   * Run the following command to install the required Node modules:

npm install

1. **Run Angular Application:**
   * After the installation is complete, run the following command to start the Angular application:

ng serve

* + The application will be accessible at **http://localhost:4200/** by default.

**Backend (.NET Web API)**

1. **Run ASP.NET Web API:**
   * Open the backend solution in Visual Studio or your preferred IDE.
   * Set the startup project to the ASP.NET Web API project.
   * Run the application.
2. **Access Swagger (API Documentation):**
   * Once the application is running, Swagger will automatically started in your browser.
   * Swagger UI will provide detailed documentation for the API, including available endpoints and how to interact with them.

Now, both the frontend and backend are running, allowing you to access and interact with the Book Borrowing System. If you encounter any issues, refer to the provided documentation or seek assistance from the system administrator.