**BookHub API**

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| --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | **Method** | **Description** | **Input** | **Output** | **Possible Error** | **Scope** |
| / | GET | Index page | N/A | Render index.ejs | N/A | All |
| /search | GET | Search for books with keywords, condition, and price | Keywords, condition, price | Render result.ejs with searching results | N/A | All |
| /login | GET | Get login page | N/A | Render login.ejs | N/A | Unauthorized user |
| /login | POST | Authenticate user | Email, password | N/A | 400: bad request | Unauthorized user |
| /users | GET | Get signup page | N/A | Render signup.ejs | N/A | Unauthorized user |
| /users | POST | Register user | Username, email, password, phone (optional),  avatar (optional) | N/A | 400: bad request | Unauthorized user |
| /users/:id | GET | Get user’s profile page | userid | Render profile.ejs | N/A | All |
| /users/:id/private | GET | Get authenticated user’s private page | userid | Render private\_profile.ejs | 401: user unauthenticated | Authorized user |
| /users/update | GET | Get update profile page | N/A | Render edit\_profile.ejs | 401 user unauthenticated | Authorized user |
| /users/update | PUT | Update user’s profile | N/A | /users/userId/private | 401 user unauthenticated | Authorized user |
| /logout | GET | Logout current account | N/A | N/A | N/A | Authorized user |
| /books | GET | Get add new book page | N/A | Render add\_book.ejs | 401 user unauthenticated | Authorized user |
| /books | POST | Add new book by manually input information | Booktitle, author, price, ISBN, courseCode, condition, image, description | N/A | N/A | Authorized user |
| /books/ISBN | POST | Add new book by entering ISBN | Price, ISBN, courseCode, condition | N/A | N/A | Authorized user |
| /books/update/:id | GET | Get update book page | bookId | Render update\_book.ejs | 400: bad request  401: user unauthenticated | Authorized user |
| /books/update/:id | PUT | Update book information | Booktitle, author, price, ISBN, courseCode, condition, image, description | /books/bookId | 400: bad request | Authorized user |
| /books/sold/:id | PUT | Mark a book as sold | bookId | N/A | 401 user unauthenticated | Authorized user |
| /list | GET | List all books (sold book and active book) of the user | N/A | Render mypost.ejs | N/A | Authenticated user |
| /books/:id | GET | Get book’s information page | bookId | Render view\_book.ejs | N/A | All |
| /review/:id | POST | Post a review for another user | userId | N/A | N/A | All |