**Book library API Documentation**

1. **Create user**

POST /Authentication/create-user

Parameters:

* username – string, unique
* emailAddress – string, valid email format
* password – string, minimum eight characters

**Request body:**

{

"userName": "string",

"emailAddress": "string",

"password": "string"

}

**Response:**

200 OK

{

“User created”

}

1. **Login user**

POST /Authentication/login

Query string parameters:

* emailAddress – string, valid email format
* password – string, minimum eight characters

**Request body:**

{

"emailAddress": "string",

"password": "string"

}

**Response:**

200 OK

{

“token”: “string”

“expiresAt”: “2022-02-02T22:22:54Z”

}

1. **Delete user**

POST /Authentication/delete-user

Parameters:

* emailAddress – string, valid email format

**Request body:**

{

"emailAddress": "string",

}

**Response:**

200 OK

{

“string”

}

1. **Create book**

POST /Books

Parameters:

* title – string, mandatory
* firstName – string, mandatory
* lastName – string, mandatory
* publisher – string, mandatory

**Header:**

Authorization: Bearer <token>

**Request body:**

{

"title": "string",

"author": {

"firstName": "string",

"lastName": "string",

"dateOfBirth": "2022-03-01T12:20:05.691Z"

},

"publisher": "string",

"releaseDate": "2022-03-01T12:20:05.691Z"

}

**Response:**

200 OK

{

    "bookId": 8,

    "operationMessage": "Successfully added book with id:8"

}

1. **Get book**

GET /Books

**Parameters:**

* authorFirstName – string, optional
* authorLastName – string, optional
* pageNumber– string, optional

**Header:**

Authorization: Bearer <token>

**Querry:**

/Books?authorFirstName=Stephen&authorLastName=King

**Response:**

200 OK

{

    "books": [

        {

            "id": 1,

            "title": "The Green Mile",

            "author": {

                "id": 1,

                "firstName": "Stephen",

                "lastName": "King",

                "dateOfBirth": "1947-09-21T00:00:00"

            },

            "publisher": "Signet Books",

            "releaseDate": "1996-03-10T00:00:00"

        }

    ],

    "pageInfo": "Page 1 of 2"

}

1. **Delete book**

DELETE /Books

**Parameters:**

bookId – int, mandatory

**Query:**

bookId = 1

**Response:**

200 OK

{

“Book deleted successfully”

}

1. **Update book**

PUT /Books

**Parameters:**

bookId – int, mandatory

**Request body:**

{

"bookToUpdate": {

"id": 1,

"title": "string",

"publisher": "string",

"releaseDate": "2022-03-07T13:32:39.876Z"

}

}

**Response:**

200 OK

{

“Book with id 1 was successfully updated”

}

1. **Get book by ID**

GET /Books

**Parameters:**

bookId – int, mandatory

**Route:**

/Books/1

**Response:**

200 OK

{

    "id": 1,

    "title": "The Green Mile",

    "author": {

        "id": 1,

        "firstName": "Stephen",

        "lastName": "King",

        "dateOfBirth": "1947-09-21T00:00:00"

    },

    "publisher": "Signet Books",

    "releaseDate": "1996-03-10T00:00:00"

}