Univerzita Pardubice

Fakulta elektrotechniky a informatiky

Semestrální práce z předmětu NNPIA

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# Library Spring Application

This project is part of the semester work from the subject NNPIA.

## API Reference

### USERS

#### Get all users

GET /api/v1/users

#### Get user according to username

GET /api/v1/users/${username}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| username | string | **Required**. Username of user to fetch |

#### Register new user

POST /api/v1/register

#### Authenticate user

POST /api/v1/authenticate

#### Update user

PUT /api/v1/users/${username}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| username | string | **Required**. Username of user to fetch |

#### Delete user

DELETE /api/v1/users/${username}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| username | string | **Required**. Username of user to fetch |

### LIBRARY

#### Get all libraries

GET /api/v1/libraries

#### Get library according to id

GET /api/v1/libraries/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| id | int | **Required**. Id of library to fetch |

#### Create library

POST /api/v1/libraries

#### Update library

PUT /api/v1/libraries/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| id | int | **Required**. Id of library to fetch |

#### Delete library

DELETE /api/v1/libraries/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| id | int | **Required**. Id of library to fetch |

### BOOKS

#### Get all books in library

GET /api/v1/libraries/${libraryId}/books

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| libraryId | int | **Required**. Id of library to fetch |

#### Get book according to id

GET /api/v1/libraries/${libraryId}/books/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| libraryId | int | **Required**. Id of library to fetch |
| id | int | **Required**. Id of book to fetch |

#### Create book in library

POST /api/v1/libraries/${libraryId}/books

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| libraryId | int | **Required**. Id of library |

#### Update book

PUT /api/v1/libraries/${libraryId}/books/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| libraryId | int | **Required**. Id of library |
| id | int | **Required**. Id of book to update |

#### Delete book

DELETE /api/v1/libraries/${libraryId}/books/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| libraryId | int | **Required**. Id of library |
| id | int | **Required**. Id of book to delete |

### GENRES

#### Get all genres

GET /api/v1/genres

#### Get genre according to id

GET /api/v1/genres/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| id | int | **Required**. Id of genre to fetch |

#### Create library

POST /api/v1/genres

#### Update library

PUT /api/v1/genres/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| id | int | **Required**. Id of genre to fetch |

#### Delete library

DELETE /api/v1/genres/${id}

| **Parameter** | **Type** | **Description** |
| --- | --- | --- |
| id | int | **Required**. Id of genre to fetch |

## Authorization and authentication

### Roles

|  |  |
| --- | --- |
| **Roles** | **Description** |
| ADMIN | Admin user. |
| USER | Standard user. |

Every registered user has at least one role. When the user is created, the USER role is assigned to him.