

## Contents

USERS .....	3
<b>POST</b> /api/v1/login .....	3
<b>POST</b> /api/v1/users .....	3
<b>GET</b> /api/v1/users .....	4
<b>GET</b> /api/v1/users/{email} .....	4
<b>PUT</b> /api/v1/users .....	5
<b>DELETE</b> /api/v1/users .....	5
PHOTOS .....	6
<b>POST</b> /api/v1/photos .....	6
<b>GET</b> /api/v1/photos .....	6
<b>GET</b> /api/v1/photos/id/{id} .....	6
<b>GET</b> /api/v1/photos/name/{name} .....	7
<b>GET</b> /api/v1/photos/public .....	8
<b>GET</b> /api/v1/photos/shared .....	8
<b>PUT</b> /api/v1/photos/{id} .....	9
<b>DELETE</b> /api/v1/photos/{id} .....	9
IMAGES .....	10
<b>POST</b> /api/v1/images .....	10
<b>GET</b> /api/v1/images/{photoid} .....	10
CATEGORIES .....	11
<b>POST</b> /api/v1/categories .....	11
<b>GET</b> /api/v1/categories/{parentid} .....	11
<b>GET</b> /api/v1/categories .....	12
<b>PUT</b> /api/v1/categories/{id} .....	12
<b>DELETE</b> /api/v1/categories/{id} .....	12
TAGS .....	13
<b>POST</b> /api/v1/tags .....	13
<b>GET</b> /api/v1/tags .....	13
<b>GET</b> /api/v1/tags/{letters} .....	14
<b>GET</b> /api/v1/tags/public .....	14
<b>GET</b> /api/v1/tags/public/{letters} .....	14
<b>PUT</b> /api/v1/tag/{id}/{name} .....	15

DELETE	/api/v1/tag/{id}	15
SHARES		16
POST	/api/v1/shares	16
GET	/api/v1/shares	16
DELETE	/api/v1/shares/{id}	16
RATES		17
POST	/api/v1/rates	17
GET	/api/v1/rates	17
PUT	/api/v1/rates/{photoid}/{rate}	17
DELETE	/api/v1/rates/{photoid}	18

## USERS

### POST /api/v1/login

#### Description:

User authorization.

#### Parameters:

- In body:
  - email – string (required)
  - password – string (required)

#### Responses:

- 200 OK
    - JWT in Cookie
  - 401 Wrong credentials
- 

### POST /api/v1/users

#### Description:

Create user. Create new catalog in main server catalog with name like user's email – place where user's photos will be stored.

#### Parameters:

- In body:
  - email – string (required)
  - password – string (required)
  - firstName – string (required)
  - lastName – string (required)

#### Responses:

- 200 OK
- 400 Bad request

## GET /api/v1/users

### Description:

Load list of app users data.

### Responses:

- 200 OK
    - userID – long
    - email – string
    - firstName – string
    - lastName – string
    - password – string
    - role – string
  - 401 Unauthorized
- 

## GET /api/v1/users/{email}

### Description:

Load user data.

### Parameters:

- In path:
  - email – string (required)

### Responses:

- 200 OK
  - userID – long
  - email – string
  - firstName – string
  - lastName – string
  - password – string
  - role – string
- 401 Unauthorized

## **PUT /api/v1/users**

### **Description:**

**Edit user.**

### **Parameters:**

- **In body:**
  - password – string (not required)
  - firstName – string (not required)
  - lastName – string (not required)

### **Responses:**

- 200 OK
  - 401 Unauthorized
- 

## **DELETE /api/v1/users**

### **Description:**

**Remove user and all related data.**

### **Responses:**

- 200 OK
- 400 Bad request

## PHOTOS

### POST /api/v1/photos

Description:

Create photo info.

Parameters:

- In body:
  - name – string (required)
  - description – string (not required – default NULL)
  - shareState – string (not required – default “PRIVATE”)
  - photoState – string (not required – default “ACTIVE”)

Responses:

- 200 OK
  - 400 Bad request
- 

### GET /api/v1/photos

Description:

Load list of user’s photos info sorted by upload time from the latest.

Responses:

- 200 OK
    - photoID – long
    - name – string
    - user – string
    - userID – long
    - path – string
    - uploadTime – timestamp
    - description – string
    - shareState – string
    - photoState – string
    - rate – byte
    - tags – Array < TAG >
    - category - Category
  - 204 No content
- 

### GET /api/v1/photos/id/{id}

Description:

Load user’s photo by id.

**Parameters:**

- **In path:**
  - **id – long** (required)

**Responses:**

- **200 OK**
    - **photoID – long**
    - **name – string**
    - **user – string**
    - **userID – long**
    - **path – string**
    - **uploadTime – timestamp**
    - **description – string**
    - **shareState – string**
    - **photoState – string**
    - **rate – byte**
    - **tags – Array < TAG>**
    - **category - Category**
  - **204 No content**
- 

**GET** `/api/v1/photos/name/{name}`

**Description:**

**Load user's photo by name.**

**Parameters:**

- **In path:**
  - **name – string** (required)

**Responses:**

- **200 OK**
  - **photoID – long**
  - **name – string**
  - **user – string**
  - **userID – long**
  - **path – string**
  - **uploadTime – timestamp**
  - **description – string**
  - **shareState – string**
  - **photoState – string**
  - **rate – byte**
  - **tags – Array < TAG>**
  - **category - Category**
- **204 No content**

**GET /api/v1/photos/public**

**Description:**

Load list of public photos info sorted by rate descending.

**Responses:**

- **200 OK**
    - photoID – long
    - name – string
    - user – string
    - userID – long
    - path – string
    - uploadTime – timestamp
    - description – string
    - shareState – string
    - photoState – string
    - rate – byte
    - tags – Array < TAG>
    - category - Category
  - **204 No content**
- 

**GET /api/v1/photos/shared**

**Description:**

Load list of public photos info sorted by upload time from the latest.

**Responses:**

- **200 OK**
  - photoID – long
  - name – string
  - user – string
  - userID – long
  - path – string
  - uploadTime – timestamp
  - description – string
  - shareState – string
  - photoState – string
  - rate – byte
  - tags – Array < TAG>
  - category - Category
- **204 No content**



**PUT** /api/v1/photos/{id}

**Description:**

**Edit photo info.**

**Parameters:**

- **In body:**
  - **description** – string (not required)
  - **shareState** – string (not required)
  - **photoState** – string (not required)

**Responses:**

- **200 OK**
  - **400 Bad request**
- 

**DELETE** /api/v1/photos/{id}

**Description:**

**Remove photo and all related data, include image.**

**Parameters:**

- **In path:**
  - **id** – long(required)

**Responses:**

- **200 OK**
- **400 Bad request**

## IMAGES

### POST /api/v1/images

#### Description:

Create image. Only logged user can call this method. User must have his own catalog { catalog name = user's e-mail } in the main server catalog. Before uploading image, photo with the same name must be sent to server.

#### Parameters:

- In body / in form-data:
  - Key : "file", Value: multipartFile (required)

#### Responses:

- 200 OK
  - 400 Bad request
- 

### GET /api/v1/images/{photoid}

#### Description:

Load image by id.

#### Parameters:

- In path:
  - photoid – long (required)

#### Responses:

- 200 OK
  - Header – contentType – image/jpeg
  - type file
- 204 No content

## CATEGORIES

### POST /api/v1/categories

Description:

Create new category.

Parameters:

- In body:
  - name – string (required)
  - parentCategory - long (not required – default NULL)

Responses:

- 200 OK
  - 400 Bad request
- 

### GET /api/v1/categories/{parentid}

Description:

Load list of user's categories – children of parentid.

Parameters:

- In path:
  - parentid – long (required)

Responses:

- 200 OK
  - categoryID – long
  - name – string
  - user – long
  - parentCategory - long
- 204 No content

## GET /api/v1/categories

### Description:

Load list of user's root categories.

### Responses:

- 200 OK
    - categoryID – long
    - name – string
    - user – long
    - parentCategory - long
  - 204 No content
- 

## PUT /api/v1/categories/{id}

### Description:

Edit category.

### Parameters:

- In path
  - id – long (required)
- In body:
  - name – string (required)
  - parentCategory - long (not required – default NULL)

### Responses:

- 200 OK
  - 400 Bad request
- 

## DELETE /api/v1/categories/{id}

### Description:

Remove category and its kids.

### Parameters:

- In path:
  - id – long (required)

### Responses:

- 200 OK
- 400 Bad request

## TAGS

### POST /api/v1/tags

Description:

Create new tag.

Parameters:

- In body:
  - name – string (required)
  - photo - long (required)

Responses:

- 200 OK
  - 400 Bad request
- 

### GET /api/v1/tags

Description:

Load list of user's tags.

Responses:

- 200 OK
  - tagID – long
  - photo – long
  - user – long
  - name – string
- 204 No content

**GET** /api/v1/tags/{letters}

**Description:**

Load list of user's tags started with letters.

**Parameters:**

- In path
  - letters – string (required)

**Responses:**

- 200 OK
    - tagID – long
    - photo – long
    - user – long
    - name – string
  - 204 No content
- 

**GET** /api/v1/tags/public

**Description:**

Load list of public tags.

**Responses:**

- 200 OK
    - tagID – long
    - photo – long
    - user – long
    - name – string
  - 204 No content
- 

**GET** /api/v1/tags/public/{letters}

**Description:**

Load list of public tags started with letters.

**Parameters:**

- In path
  - letters – string (required)

**Responses:**

- **200 OK**
    - tagID – long
    - photo – long
    - user – long
    - name – string
  - **204 No content**
- 

**PUT** /api/v1/tag/{id}/{name}

**Description:**

**Edit tag.**

**Parameters:**

- **In path**
  - id – long (required)
  - name – string (required)

**Responses:**

- **200 OK**
  - **400 Bad request**
- 

**DELETE** /api/v1/tag/{id}

**Description:**

**Remove tag.**

**Parameters:**

- **In path:**
  - id – long (required)

**Responses:**

- **200 OK**
- **400 Bad request**

## SHARES

### POST /api/v1/shares

#### Description:

Create new share.

#### Parameters:

- In body:
  - user - long (required)
  - photo - long (required)

#### Responses:

- 200 OK
  - 400 Bad request
- 

### GET /api/v1/shares

#### Description:

Load list of all shares.

#### Responses:

- 200 OK
    - shareID – long
    - user – long
    - photo – long
    - owner – long
  - 204 No content
- 

### DELETE /api/v1/shares/{id}

#### Description:

Remove share.

#### Parameters:

- In path:
  - id – long (required)

#### Responses:

- 200 OK
- 400 Bad request



## RATES

### POST /api/v1/rates

Description:

Create new rate.

Parameters:

- In body:
  - Rate - byte (required)
  - photo - long (required)

Responses:

- 200 OK
  - 400 Bad request
- 

### GET /api/v1/rates

Description:

Load list of user's rates.

Responses:

- 200 OK
    - rateID – long
    - user – long
    - photo – long
    - date – timestamp
    - rate - byte
  - 204 No content
- 

### PUT /api/v1/rates/{photoid}/{rate}

Description:

Edit rate.

Parameters:

- In path
  - photoid – long (required)
  - rate – byte (required)

Responses:

- 200 OK
- 400 Bad request

**DELETE**     **/api/v1/rates/{photoid}**

**Description:**

**Remove rate.**

**Parameters:**

- **In path:**
  - **id – long**            **(required)**

**Responses:**

- **200 OK**
- **400 Bad request**