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# **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**

## **POST /api/v1/category**

**Description:**

**Assigns category to the photo.**

**Parameters:**

* **In body:**
  + **category – long (id) (required)**
  + **photo - long (id) (required)**

**Responses:**

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

**--------------------------------------------------­----------------------------------------------------------------------------------------**

## **PUT /api/v1/category/{photoId} /{categoryId}**

**Description:**

**Assigns new category to the photo.**

**Parameters:**

* **In path**
  + **photoId – long (required)**
  + **categoryId – long (required)**

**Responses:**

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

**--------------------------------------------------­----------------------------------------------------------------------------------------**

## **DELETE /api/v1/category/{photoid}**

**Description:**

**Remove category assignment.**

**Parameters:**

* **In path:**
  + **photoid – long (required)**

**Responses:**

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

# **TAGS**

## **POST /api/v1/tags**

**Description:**

**Create new tag/tags.**

**Parameters:**

* **In body:**
  + **List:**
    - **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**