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Magikarp  
COMS W4156  
Magikarp API

## **POST /messages**

Get a collection of posts based on a geographic area.

### **Authorization**

No authentication is required to get messages.

### **Request Parameters**

#### Query Parameters

- latitude\_top (double)
  - The northernmost latitude of the requested geographic boundary.
  - Format: **(TBD)** DDMM.SSS
- longitude\_left (double)
  - The leftmost longitude of the requested geographic boundary. Left does not necessarily imply the western-most point (ex. crossing International Date Line).
  - Format: **(TBD)** DDDMM.SSS
- latitude\_bottom (double)
  - The southernmost latitude of the requested geographic boundary.
  - Format: **(TBD)** DDMM.SSS
- longitude\_right (double)
  - The rightmost longitude of the requested geographic boundary. Right does not necessarily imply the eastern-most point (ex. crossing International Date Line).
  - Format: **(TBD)** DDDMM.SSS
- max\_records (integer)
  - The maximum number of messages located in the geographic boundary to return

## Responses

200    application/json

```
{
  "record_count" : "integer",
  "records" : [
    {
      "id" : "integer",
      "user_id" : "integer",
      "image_url" : "string",
      "text" : "string",
      "latitude" : "double",
      "longitude" : "double",
      "timestamp" : "string [date-time]"
    }
  ]
}
```

204    application/json

```
{
}
```

## **POST /messages/{user\_id}**

Get a collection of posts created by a specific user.

### **Authorization**

No authentication is required to get messages.

### **Request Parameters**

Path Parameters

- user\_id (integer)
  - The user ID.

### **Responses**

200 application/json

```
{
  "record_count" : "integer",
  "records" : [
    {
      "id" : "integer",
      "user_id" : "integer",
      "image_url" : "string",
      "text" : "string",
      "latitude" : "double",
      "longitude" : "double",
      "timestamp" : "string [date-time]"
    }
  ]
}
```

204 application/json

```
{
}
```

## **POST /messages/{user\_id}/new**

Create a new message.

### **Request Parameters**

Path Parameters

- user\_id (integer)
  - The user ID.

### **Request Body**

- image\_url (string)
  - The url of the image
- text (string)
  - The message text.
- latitude (double)
  - The message geotag latitude.
  - Format: **(TBD)** DDMM.SSS
- longitude (double)
  - The message geotag longitude.
  - Format: **(TBD)** DDDMM.SSS

### **Responses**

201 application/json

```
{  
  "record_id" : "string"  
}
```

401 application/json

```
{  
  "responseCode": "integer"  
  "error" : "string"  
}
```

## **POST /messages/{user\_id}/update/{record\_id}**

Update an existing message.

### **Request Parameters**

Path Parameters

- user\_id (integer)
  - The user ID.
- record\_id (integer)
  - The ID of the record to update.

### **Request Body**

- image (binary)
  - The message image.
- text (string)
  - The message text.
- latitude (double)
  - The message geotag latitude.
  - Format: **(TBD)** DDMM.SSS
- longitude (double)
  - The message geotag longitude.
  - Format: **(TBD)** DDDMM.SSS

### **Responses**

200 application/json

```
{
  "responseCode": "integer"
}
```

401 application/json

```
{
  "responseCode": "integer"
  "error" : "string"
}
```

## **POST /messages/{user\_id}/delete/{record\_id}**

Delete an existing message.

### **Request Parameters**

Path Parameters

- user\_id (integer)
  - The user ID.
- record\_id (integer)
  - The ID of the record to delete.

### **Responses**

200 application/json

```
{  
  "responseCode": "integer"  
}
```

401 application/json

```
{  
  "responseCode": "integer"  
  "error" : "string"  
}
```