

# Catstagram - Final Report

Simple Cat version of Instagram in Ruby on Rails - for Webrails class at HEIG-VD.

This is the final report. If you're not into reading documentation and prefer to test yourself, go directly to [Installation Indications](#)

## Table of Contents

---

- [Introduction](#)
- [Specifications](#)
  - [General Description](#)
  - [Usecases](#)
  - [Database schema](#)
  - [Permissions and Rights](#)
- [Software Structure](#)
- [Technical considerations](#)
  - [AJAX in practice](#)
  - [Librairies used](#)
  - [Like, Report & Reset Report of PHOTOS](#)
  - [Banning Users](#)
  - [Layouts and partial views](#)
- [Project Management](#)
- [Project State](#)
  - [Initial Iterations plan](#)
  - [Actual Management](#)
- [Conclusion](#)
- [Annexes](#)
  - [Installation Indications](#)
  - [Usage Manual](#)

## Introduction

---

This is a Ruby on Rails project for WebRails class at [HEIG-VD, Yverdon-les-Bains](#), Switzerland, done by [Eleonore d'Agostino](#) and [Valentin Minder](#) in Spring 2016.

This report will go through the planned specifications and management and check against the final project to check for consistency and project success. At the end you'll find a documentation how to install and use the website.

# Specifications

(Cahier des charges)

## General Description

### Type site, Objectives

Catstagram is a simple version of Instagram for photos of cats only. It allows registered users to upload photos of cats, tag them and share them with all their friends, because sharing is caring ;3

The more you share, the more views you get! :D

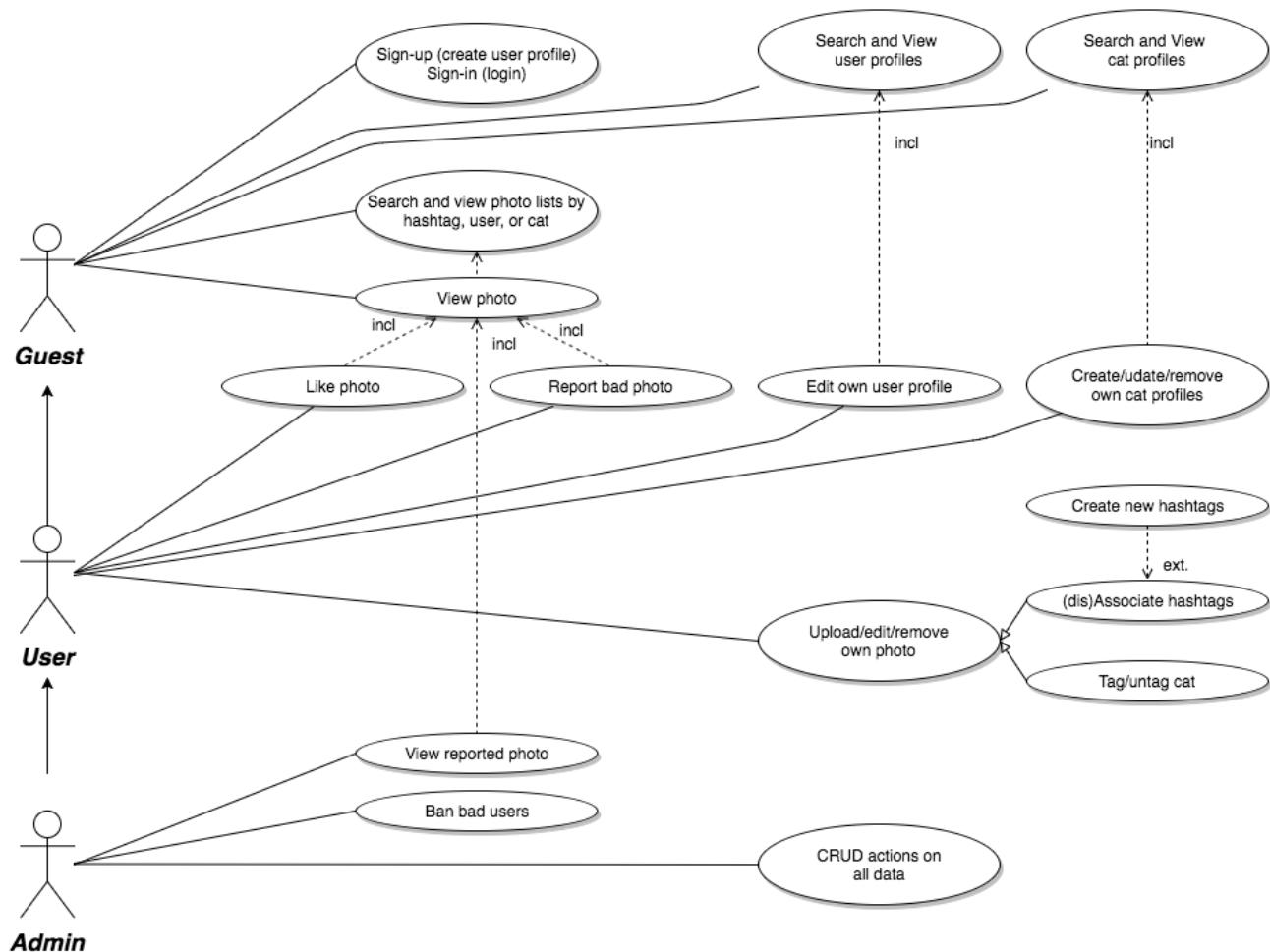
Guests can see photos of specific cats or uploaded by specific users! And cats by categories, of course!

Be cautious, if you upload anything other than a cat photo and you get reported too many times, the admins might ban you!

## Use cases

### (Cas d'utilisation)

See the following image:



A guest is a non-registered or non-logged visitor of the website. They are limited to VIEW capacities on everything, and have no right to EDIT. A guest may:

- view user and cat profile details
- search and view photos by hashtag, user or cat
- view photos (direct link to single photo), increasing the view count of the photo
- create an account with *sign-up*, or login with *sign-in*

A user is a registered and logged visitor of the website who doesn't have admin rights. A user has VIEW capabilities on everything, and EDIT capabilities on their own data. A user may:

- do everything a guest can
- edit their own user profile
- upload or edit photos on their own account. Uploading a photo includes optionally tagging cats and categories (hashtags). This includes creating new hashtags (categories), when those available do not suffice. Of course, they can upload photos of cats that don't belong to them.
- create or update cat profiles (of their own cats only)
- report bad photos, like those with dogs, increasing the report count of the photo
- like photos, increasing the like count of the photo

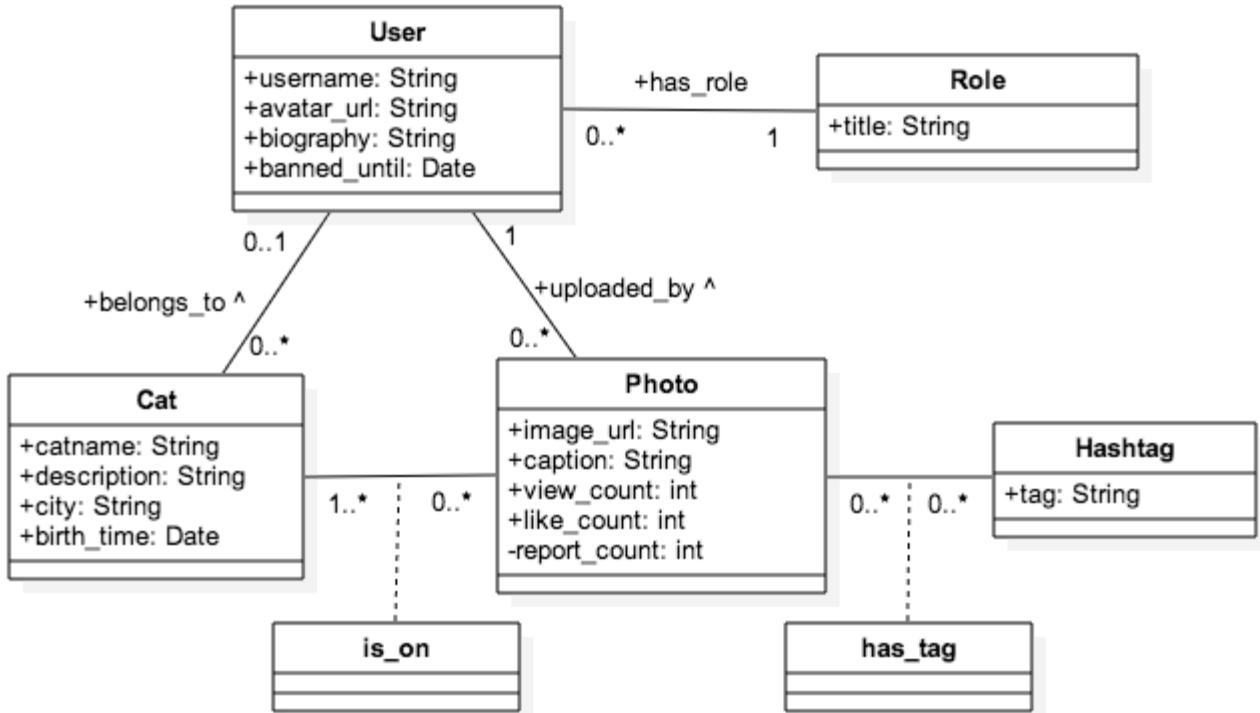
An admin is a registered and logged visitor of the website that has admin rights. An admin has the right to VIEW and EDIT on everything. An admin may:

- do everything a user can
- view the report count of a photo, receive some kind of alerts of new reports, and reset report counts
- decide what to do with reported photos, including:
  - remove reported photos
  - ban related user
  - remove related user (with all its photos)
- edit everything (CRUD actions), including the edition of any field/relation that doesn't have a special meaning (see "About Rights" section). It may also include ban users, when they were reported for bad behaviors (eg per email).

Note that views, likes and reports counts are not related to users. View counts reflects the number of times a photo was opened in a browser, even if it was done 10x by the same person. The same goes with like and reports, but those are only available for logged users. This system is open to abuse but it allows for a simpler system, otherwise it would require a lot more relations and be more complex.

## Database schema

Their is the conceptual schema:



The relational schema is obvious from the conceptual one, or see the `schema.yml` file.

A user is a registered human visitor that may have some role (and admin rights). Fields generated by Devise for account creation and authentication are not shown (such as login/password), as well as fields handled by Ruby by default (such as created\_at). Users own cats and upload photos (therefore cats belongs to their user owner, and photos are uploaded by users).

Cats are tagged on photos, and at least one cat must be tagged on every photo. If the cat is unknown, a special entity called the "Chanonyme" (Catnonymous) is tagged instead. If the cat becomes known, the owner of the photo or the admin may change the tag.

Cats may not have an owner. In that case, they are only editable by admins, and admin may assign them an owner. Such "non-owned cat" may be merged into an owned cat by the admin (the non-owned cat profile is destroyed and all its tag on photos are forwarded to the owned cat).

Hashtags are similar to categories, where any photo may belong to any number of hashtags (from 0 to N).

## Permissions and Rights

The following fields are set once and forever, and cannot be edited, even by an admin:

- `id`
- `created_at`
- `updated_at`

All the counts fields cannot be edited, even by an admin. They are set to 0 by default and incremented automatically when the related actions are performed. However, admins may reset the report count to 0 when handling reports.

Admins may set the `banned_until` field to ban a user (otherwise this field is left blank). Users cannot connect until the end of the ban period.

In all entities, there is at least one field that is mandatory. All the others are optional (or they have special meaning, explained before)

- username
- title
- catname
- image\_url
- tag

Users may add/edit/remove all **other** data:

- in their profile (username, avatar\_url, biography)
- in their cats' profile (catname, city, description, birth\_time)
- in a photo they uploaded (caption, cats tagged, hashtags tagged). They cannot change the image URL though. If a user wishes to change photos, they have to delete the current one and upload a new one, as likes/hashtags/cats tagged may not be relevant to the new photo.

Users may remove a photo they uploaded, a profile of a cat they own, or even their whole profile (deleting a user will delete all uploaded photos, but cats will remain, without an owner).

As the admin has CRUD rights on everything, they can do everything a user can on all users' data. Moreover, they have special CRUD rights (in that sense, edit means all CRUD actions)

- They can set the `banned_until` field and reset the `report_count` field
- A cat without an owner is only editable by an admin
- They may assign cats to an owner, or remove ownership
- They may assign roles
- They may edit hashtags

## Software structure

---

(*Structure du logiciel*)

We use Rails' standard MVC structure, with Models in `app/models`, Views as webpages in `app/views` and Controllers in `app/controllers`.

### Guest actions:

- View the main page - `photos_controller#index_main`
- View all users - `users_controller#index`
- View user profiles - `users_controller#show`
- View all cats - `cats_controller#index`
- View cat profiles - `cats_controller#show`
- View all hashtags - `hashtags_controller#index`
- View all photos - `photos_controller#index`
- View photos by hashtag - `hashtags_controller#show`
- View photos by user - `users_controller#show`
- View photos by cat - `cats_controller#show`
- View photo via direct link (increments view count) `photos_controller#show`

- Search photos - `photos_controller#search`
- Create an account and update an account (*sign up*) - default `Devise::RegistrationsController` and `registrations_controller` (for custom values of forms)
- Log in to/log out from an existing account (*sign in*) - default `Devise::SessionController`
- `users_controller#new` and `users_controller#create` are removed, because there are handled by devise sign-up.
- Get a 403 Unauthorized Error when accessing a forbidden page  
`application_controller.rb` for `rescue_from CanCan::AccessDenied`

## User Actions

- Edit their own profile - `users_controller#edit`
- Upload photos - `photos_controller#new`
- Edit their own photos - `photos_controller#edit`
- Delete their own photos - `photos_controller#destroy`
- Create a new cat profile - `cats_controller#new`
- Edit their own cat profiles - `cats_controller#edit`
- Delete their own cat profiles - `cats_controller#destroy`
- Delete their own profile - `users_controller#destroy`
- Report bad photos - `photos_controller#report`
- View the report count of a photo - `photos_controller#show`
- Like photos - `photos_controller#like`

## Admin Actions

- Receive alerts of new reports - no controllers involved, just an alert & number in the navigation bar
- View new reports - `photos_controller#reported`
- Reset report counts - `photos_controller#reset`
- Remove reported photos - `photos_controller#destroy`
- Ban (and unban) user - `users_controller#ban` and `users_controller#ban_update`
- View banned users - `users_controller#banned`
- Remove user - `users_controller#destroy`
- Create empty new hashtag - `hashtags_controller#new`
- View editable list of all hashtags - `hashtags_controller#index_admin`
- Edit everything - `[NAME]s_controller#edit` and `users_controller#edit_roles` and `users_controller#save_roles`
- Destroy everything - `[NAME]s_controller#destroy`

## Technical considerations

---

(*Implémentation*)

### AJAX in practice

While our original plan was to allow optional tag auto-completion during photo upload, this proved to be beyond our skills even after extensive reading on the subject. It was already hard enough implementing

dynamic text fields (pressing the "Add Tag" button adds a new text field whose content *will* be correctly saved), but we couldn't find how to work an optional drop-down in without using a `collection_select`, which... we can't type in.

So we went with our second idea.

The final AJAX we use allows us to *like* photos without reloading the page, and updates the like count on the photo accordingly, after which the *like* button disappears.

This is done via three files:

- In `app/views/photos/show.html.erb`, we set up the like button `link_to` with the option `remote: true`, along with a specific id so we can refer back to it. We also give an id to a span containing the `@photo.like_count` value.
- In `app/controllers/photos_controller.rb`, in the `like` function, we render the `update_likes.js` file after we finish the checks and modifications we wanted.
- In `app/views/photos/update_likes.js`, we have simple jQuery commands to hide the like button via its id, and replace the old `like_count` in the span with the new `like_count` value we computed in the controller.

## Libraries used

The only major library we used was ImageMagick, for the purpose of automatically resizing images to create thumbnails. While we could have just used HTML tags to keep only one copy of each image and display, this requires downloading all the images at full size and slows down the page loading considerably, especially for users with poor connections.

As is, when an image is uploaded, we automatically save a resized copy of it for use as thumbnails.

This is done in the `app/uploaders/image_uploader.rb` file:

```
version :thumb do
  process :resize_to_fit => [100, 100]
end
```

```

This saves a thumbnail of the image. If our image URL is accessible at `photo ima

```
### Like, Report & Reset Report of PHOTOS
```

```
#### Rights management
```

- Users receive the `:like\_photo` and `:report\_photo` rights, only on photos that
- Admin receive the `:reset\_report\_photo` rights, only on photos that are not the
- These rights are sufficient for the views to display the correct buttons with `
- These rights have to be handled carefully on the \*\*photo controller\*\*, because
  - first, `skip\_authorize\_resource :only => [:like, :report, :reset]` to allow
  - then, at the beginning of each `<action>` method (like, report, reset): `au
  - moreover, it's necessary to discard the request `if current\_user == @photo.

A user might still try to like his own picture by entering the direct link `/phot

```
![img/like_self.png](img/like_self.png)
```

```
#### Buttons (on show view)
```

On the show view of a photo, two buttons allow a user to like or report the photo

```
![img/like.png](img/like.png)
```

The report asks for confirmation.

```
![img/report.png](img/report.png)
```

As soon as a photo is reported, the admin view changes: there is an additionnal b

If the photo is reported, an admin has another option, to reset the `report\_cou

```
![img/reset.png](img/reset.png)
```

```
#### Visibility (on index and show views)
```

The view count is incremented each time anyone loads the page (use refresh to for

On the index and show views, next to each photo are visible, for every visitor, t

```
#V&#8635; #L&#9829; #C&#128049;
```

If the user can report the photo and the photo is reported (has a `report\_count`

```
#V&#8635; #L&#9829; #C&#128049; #R&#9888;
```

Moreover, if the user can manage the photo (it's a connected user owner of the ph

On the index of photos, it will look like this:

```
![img/VLCR_index.png](img/VLCR_index.png)
```

And on the show view of a specific photo, like this (in the footer):

```
![img/VLCR_show.png](img/VLCR_show.png)
```

### Banning users

TODO.

### Layouts and partial views

All index views use the same layout (boxes of items) in a partial view `\\_grid`, w

- This allows the usage of the same layout in the home screen (recent photos), th
- It also allows the presence of several partial views on the same page, as on th

## Project Management

##### (\*Gestion de projet\*)

### Initial Iterations plan

#### Week 8-9 (18.04. - 01.05.2016)

- basic structure of whole project (scaffold, db, basic usable layout...)
- no permissions: basic CRUD operations on everything

#### Week 10-11 (02.05. - 15.05.2016)

- account creation and authentication (with Devise)
- permissions (guest, user, admin) (with CanCanCan)
- basic upload form, with tagging cats and hashtags

#### Week 12-13-14 (16.05. - 05.06.2016)

- AJAX: autocomplete of hashtags in upload form
- AJAX: update of views/likes count asynchronous (by the user who viewed/liked th
- pretty upload form
- clean and pretty layout (UI)
- report and presentations preparations

#### Week 15-16 (06.06 - 19.06.2016)

Oral presentations

### Actual Management

Some elements were shifted around a little across iterations. Per example, we had

Globally, this project was very well managed, all iterations are fully finished,

## Project state

##### (\*Etat des lieux\*)

In general, the project is completed and follows the initial plan, and all main f

Some details were not implemented, but they don't affect in any way the normal we

Not implemented:

- auto-completion of hashtags in upload form (see AJAX section)
- "merging" multiple ownerless cats, or an ownerless cat into an owned cat (remov
- keeping track of creator of cats, especially for ownerless cast: once a cat is
- catnonymous is not automatically tagged if no other cat is tagged (but it is st

Known bugs / glitches:

- the upload form requires a refresh before working properly with the multiple ta

## Conclusion

Globally this project was a success and we learned a lot of things.

However,

## Annexes

### Installation Indications

#### Prerequisites

You need on your system

- `ruby` (tested with 2.2.3p173)
- `rails` (tested with 4.2.5.1)
- `mysql`
- `imagemagick`. It comes by default on most linux distribution, otherwise use yo

#### Configuration

It is necessary to set up `mysql` with a database `catstagram` first, and to chec

- Create a table named `Catstagram` in your mysql editor.
- Run mysql
- Move to the project directory: `cd Catstagram`
- Update the database config (host, user, password) of the file `Catstagram/config/
- Run the following command to install & update bundles: `bundle install; bundle
- Import the latest migrations: `rake db:migrate`
- Run the server: `rails s`

#### Launch

When you're done with database configuration, the project is production-ready, jus

rails s ``

The server is now running and reachable at `server:port`, namely [localhost:3000](http://localhost:3000) if you run it on your own machine with default settings.

## Fixtures

The project is furnished with fixtures that will populate the database with a few examples, create the necessary roles to see the website in action, and set up an admin account. To load the fixtures type:

```
rake db:fixtures:load
```

You may login as an admin with the following account:

```
email: admin@cat.com  
login: admin1
```

The other accounts are simple users, all with `login:user12`:

```
paranoodle@cat.com (regular user)  
val@cat.com (regular user)  
bad@cat.com (banned users)  
dev@cat.com (tester)
```

## Usage Manual

*(Mode d'emploi)*

In all screenshots:

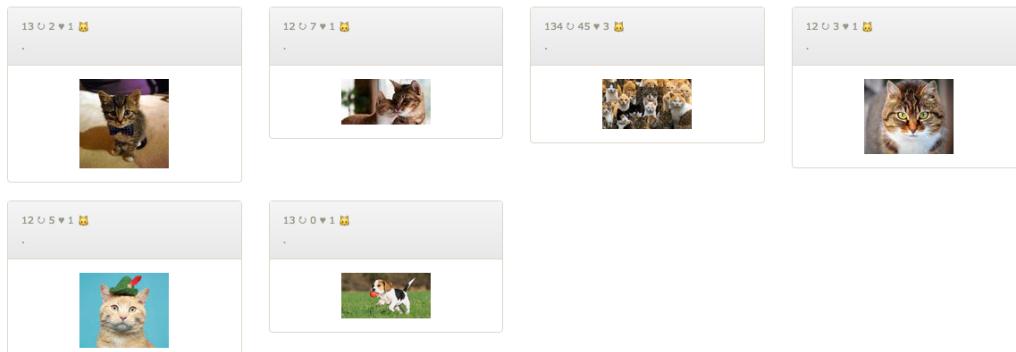
- **black**: comment, some explanations
- **red**: clickable items
- **blue**: pay attention to new item (appeared with the updated permission)

## As Guest

- View the main page - `photos_controller#index_main`

## Welcome on Catstagram !

### Latest Photos (6):



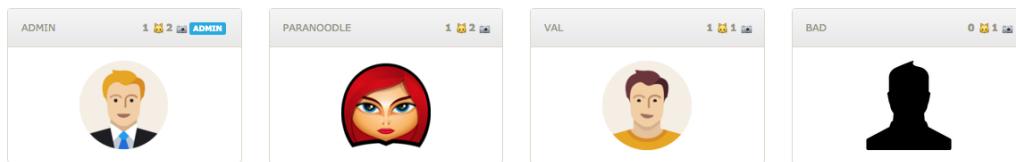
### Latest Hashtags (4):



### Latest Cats (4):



### Latest Users (4):

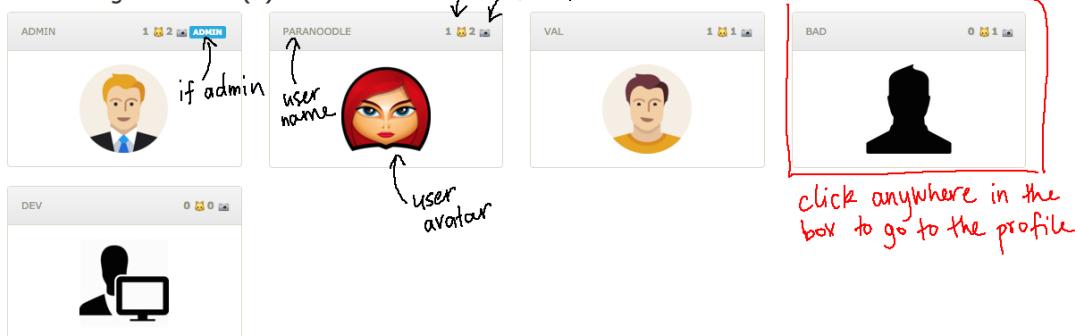

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- View all users - `users_controller#index`

## Users on Catstagram

### All Catstagram Users (5):


[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- View user profiles - `users_controller#show`

**ADMIN ADMIN**

user name

if admin

biography

I am THE admin of Catstagram, I'm a cat lover.

Joined at: 2016-06-14 08:52:02 UTC

Cats belonging to admin (1):

|             |                  |
|-------------|------------------|
| CATNONYMOUS | 2                |
|             | click to see cat |

Photos uploaded by admin (2):

|                    |                    |
|--------------------|--------------------|
| 13 0 2 1           | 12 0 7 1           |
|                    |                    |
| click to see photo | click to see photo |

- View all cats - `cats_controller#index`

## Cats on Catstagram

All Catstagram Cats (4):

|                     |                            |
|---------------------|----------------------------|
| CATNONYMOUS         | 2                          |
|                     | latest photo with this cat |
| ?? FROM SWITZERLAND | 2 OWNERLESS                |
|                     | if ownerless               |

|                              |                  |
|------------------------------|------------------|
| MICKEY FROM LAUSANNE, VD, CH | 2                |
|                              | cat name         |
|                              | number of photos |

click to go to cat profile

Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- View cat profiles - `cats_controller#show`

## HOUILLE

A nice black cat living in the countryside of Switzerland. cat description

From Attalens VD  
Belongs to paranoode  
Birth date 2016-06-10

Photos of this cat (2):

|          |                    |
|----------|--------------------|
| 12 0 7 1 | 134 0 45 3         |
|          | click to see photo |
|          | click to see photo |

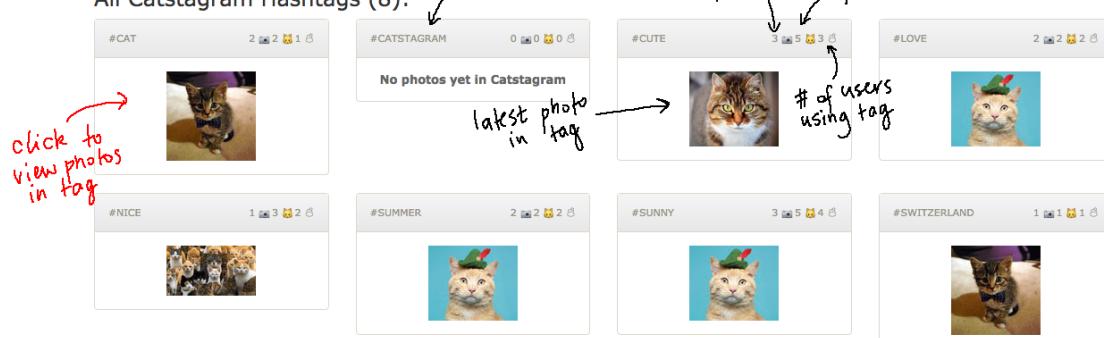
Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- View all hashtags - `hashtags_controller#index`

## Listing Hashtags

All Catstagram Hashtags (8):



Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- View photos by hashtag - `hashtags_controller#show`

## #CUTE

Photos in this tag (3):



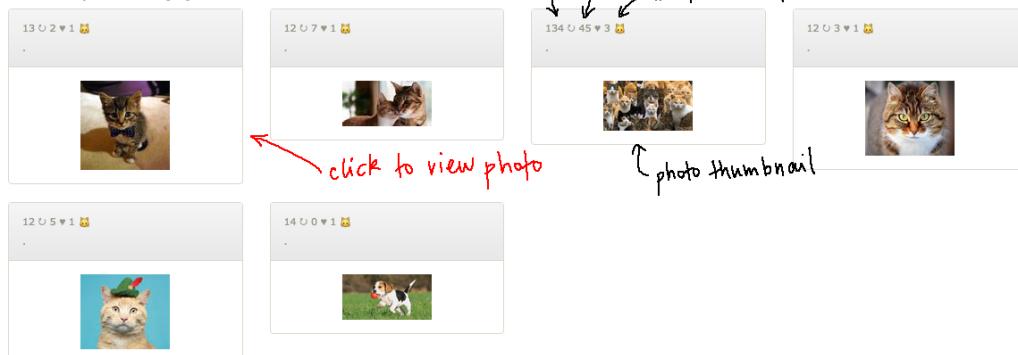
Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- View all photos - `photos_controller#index`

## Photos on Catstagram

Latest photos (6):



Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- View photos by user - `users_controller#show`



- View photos by cat - `cats_controller#show`



- View photo via direct link (increments view count) `photos_controller#show`

Screenshot of the Catstagram website showing a photo of two cats. The photo has been annotated with handwritten notes:

- A red arrow points from the text "click to go to user" to the user profile link below the photo.
- A red arrow points from the text "full-size photo" to the "full-size" link next to the photo.
- A red arrow points from the text "photo comment" to the comment section below the photo.
- A red arrow points from the text "click to go to cat" to the cat profile link in the "Cats featured in this photo" section.
- A red arrow points from the text "photo tags" to the hashtags at the bottom of the page.
- Handwritten notes include "#of views", "# of likes", and "# of rats on photo" pointing to their respective counts.

Annotations on the screenshot:

- click to go to user
- full-size photo
- photo comment
- click to go to cat
- photo tags
- # of views
- # of likes
- # of rats on photo

Photo details:

- by admin
- Uploaded: 2016-06-14 08:52:02 UTC
- even nicer.... miaou

Cats featured in this photo:

- HOUILLE

#CUTE #SUNNY #SUMMER #LOVE

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Search photos - `photos_controller#search`

Screenshot of the Catstagram website showing search results for 'switzerland'.

### Search result for 'switzerland'

#### Latest Photos (1):

12 5 1 🐱

#### Latest Hashtags (1):

#SWITZERLAND 1 1 1 1

#### Latest Cats (2):

HOUILLE FROM ATTALENS VD 2

?? FROM SWITZERLAND 2 OWNERLESS

#### Latest Users (0):

- Create an account and update an account (*sign up*) - default `Devise::RegistrationsController` and `registrations_controller` (for custom values of forms)

**Sign up**

**Username**  
username

**Email**  
email@provider.com

**Password (6 characters minimum)**  
\*\*\*\*\*

**Password confirmation**  
\*\*\*\*\*

**Sign up**

Log in

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

And it lands on the edit page of the user (see specific section).

- Log in to/log out from an existing account (*sign in*) - default `Devise::SessionController`

**Log in**

**Email**  
user@provider.com

**Password**  
\*\*\*\*\*

Remember me

**Log in**

Sign up  
Forgot your password?

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

And confirmation:

Signed in successfully.

**Welcome on Catstagram !**

**Latest Photos (6):**

|                                   |                           |                             |                  |
|-----------------------------------|---------------------------|-----------------------------|------------------|
| 14 ⚡ 2 ⚡ 3 🐱<br>                  | 13 ⚡ 7 ⚡ 1 🐱<br>          | 134 ⚡ 45 ⚡ 3 🐱<br>1 ⚡ .<br> | 12 ⚡ 3 ⚡ 1 🐱<br> |
| 12 ⚡ 5 ⚡ 1 🐱<br><b>YOURS!</b><br> | 14 ⚡ 0 ⚡ 1 🐱<br>5 ⚡ .<br> |                             |                  |

- Get a 403 Unauthorized Error when accessing a forbidden page

`application_controller.rb` for `rescue_from CanCan::AccessDenied`

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL ▾

ERROR 403 : FORBIDDEN/UNAUTHORIZED. ACCESS IS DENIED.

You're not authorized to see or access this resource, and it caused an HTTP 403 FORBIDDEN error.  
 You're connected as val (val@cat.com).  
 You probably don't have sufficient access rights. Ask an admin for more information.  
 If you have another account with different rights, you might want to Log out and log in again with the other account.

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

## As User

- Edit their own profile - `users_controller#edit`

Go to *Change password* to edit password and/or email, go to *Edit profile* to change username, avatar, biography.

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL ▾

Signed in successfully.

Welcome on Catstagram !

Latest Photos (6):

14 0 2 1 1  
13 0 7 1 1  
134 0 45 3 1  
12 0 3 1 1

Form to edit password and/or email

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL ▾

**Edit User**

Email

Password (leave blank if you don't want to change it)

Password confirmation

Current password (we need your current password to confirm your changes)

**Cancel my account**

Unhappy?

Back

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

Form to edit username, avatar, biography.

## Editing User "val"

[RETURN TO VAL'S PROFILE](#)

 Choose File No file chosen  
↑ click here to upload avatar

Username: val

Biography: I like cats but I prefer dogs (don't tell paranoodle!)

[EDIT USER](#)

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- Upload photos - `photos_controller#new`

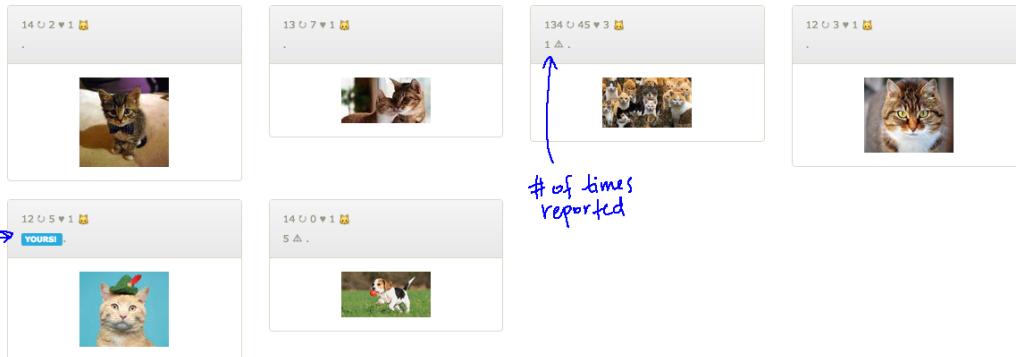
On the main screen of photos, type the button *New photo*

## Photos on Catstagram

: how: →

[POST NEW PHOTO](#)

## Latest photos (6):

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

And fill the form

## New Photo

Image: Choose File cat2.jpg

Cats on photo (use cmd or ctrl to select multiple cats):  
Catsonymous  
??  
Mickey  
Houille

Caption: any text

Tags: cute  
nice  
love  
switzerland

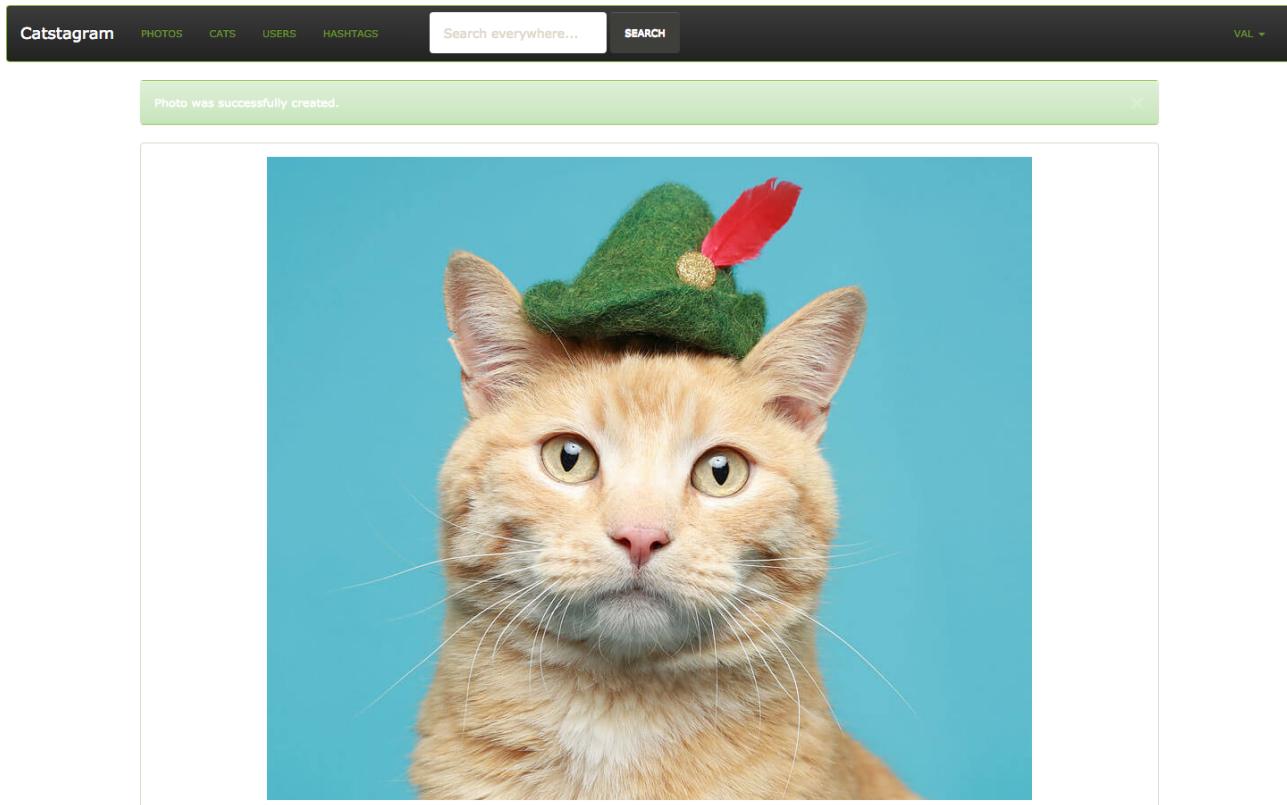
click here to add a text box  
click here to remove

[PUBLISH PHOTO](#)

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

And get confirmation.



- Edit their own photos - `photos_controller#edit`

On a photo you own, click *Edit*

A screenshot of the Catstagram website showing a photo of two cats. The photo is attributed to 'by val' and was uploaded on '2016-05-14 00:00:00 UTC'. The caption reads 'a nice cat taken in switzerland'. Below the photo, a section titled 'Cats featured in this photo:' lists 'MICKEY' with a thumbnail image of a cat wearing a green hat. At the bottom of the page, there is a footer with the text '#SUNNY #SUMMER #LOVE' and a status bar showing 'localhost:3000/photos/2/edit'. On the right side of the page, there are 'EDIT' and 'DELETE' buttons. A blue bracket with the handwritten note 'on own photos' points to these buttons.

Fill the form

## Editing Photo

→ new ↗

[RETURN TO PHOTO](#)

 Choose File No file chosen

Cats on photo (use cmd or ctrl to select multiple cats)

Catonymous  
??  
**Mickey**  
Houille

**Caption** a nicer cat taken in switzerland

**Tags** sunny x  
summer x  
love x  
Add Tag

**EDIT PHOTO**

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

And get confirmation.

- Delete their own photos - `photos_controller#destroy`

On a photo you own, click *Delete*, confirm,



by val

Uploaded: 2016-05-14 00:00:00 UTC

a nicer cat taken in switzerland

Cats featured in this photo:

|                                                                                     |
|-------------------------------------------------------------------------------------|
| MICKEY                                                                              |
|  |

localhost:3000 says:  
Are you sure to delete this photo?

**Cancel** **OK**

**EDIT** **DELETE**

#SUNNY #SUMMER #LOVE

15 ⌂ 5 ⌂ 1 YOURS!

And get confirmation.

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL +

Photo was successfully destroyed.

## Photos on Catstagram

Latest photos (6): less than 5 minutes old

**1 U 0 2 1 YOURS! NEW**

14 U 2 1

13 U 7 1

134 U 45 3

12 U 3 1

14 U 0 1

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Create a new cat profile - `cats_controller#new`

On the cats main page, click *New cat*

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL +

## Cats on Catstagram

All Catstagram Cats (4):

CATNOMOUSON 3

?? FROM SWITZERLAND 2 OWNERLESS

MICKEY FROM LAUSANNE, VD, CH 2 YOURS!

HOUILLE FROM ATTALENS VD 2

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

Fill the form

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL +

## New Cat

Cat Name: miaou

Description: a very good cat

City: lausanne

Birth time: 14 June 2016

Is this your cat?  Yes  No

**CREATE CAT**

Back to top (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

And get confirmation.

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL +

Cat was successfully created.

## MIAOU

a very good cat

From lausanne  
Belongs to val  
Birth date 2016-06-14

Photos of this cat (0):  
No photos yet!

**EDIT** **DELETE**

↑ ↑  
for own cat

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Edit their own cat profiles - `cats_controller#edit`

On a cat you own, click *Edit*

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL +

## MICKEY

From Lausanne, VD, CH  
Belongs to val  
Birth date 2016-05-19

Photos of this cat (2):

**EDIT** **DELETE**

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

Fill the form

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL +

### Editing Cat "miaou"

**RETURN TO MIAOU'S PROFILE**

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Cat Name          | miaou                                                         |
| Description       | a very good cat                                               |
| City              | lausanne                                                      |
| Birth time        | 14 June 2016                                                  |
| Abandon your cat? | <input type="radio"/> No <input checked="" type="radio"/> Yes |

**EDIT CAT**

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

And get confirmation:

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL ▾

Cat was successfully updated.

## MIAOU

a very good cat

From lausanne  
Ownerless  
Birth date 2016-06-14

Photos of this cat (0):  
No photos yet!

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Delete their own cat profiles - `cats_controller#destroy`

On a cat you own, click *Delete*

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL ▾

## MICKEY

From Lausanne, VD, CH  
Belongs to val  
Birth date 2016-05-19

Photos of this cat (2):

localhost:3000 says:  
Are you sure?  
Cancel OK

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

confirm, and get confirmation:

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH VAL ▾

Cat was successfully destroyed.

## Cats on Catstagram

All Catstagram Cats (4):

|             |                     |                          |                     |
|-------------|---------------------|--------------------------|---------------------|
| CATNONYMOUS | ?? FROM SWITZERLAND | HOUILLE FROM ATTALENS VD | MIAOU FROM LAUSANNE |
|             |                     |                          |                     |

CREATE NEW CAT

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Delete their own profile - `users_controller#destroy`

On your own profile, click *Delete*

VAL

[EDIT](#) [DELETE](#)

I like cats but I prefer dogs (don't tell paranoodle!)

Joined at: 2016-06-14 08:52:02 UTC

Cats belonging to val (0):

No cats yet!

Photos uploaded by val (1):



↑↑  
on own  
profile

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

## Confirm

VAL

[EDIT](#) [DELETE](#)

I like cats but I prefer dogs (don't

Joined at: 2016-06-14 08:52:02 UTC

Cats belonging to val (0):

No cats yet!

Photos uploaded by val (1):



localhost:3000 says:

Are you sure?

 Prevent this page from creating additional dialogs.

Cancel

OK

[Back to top](#)

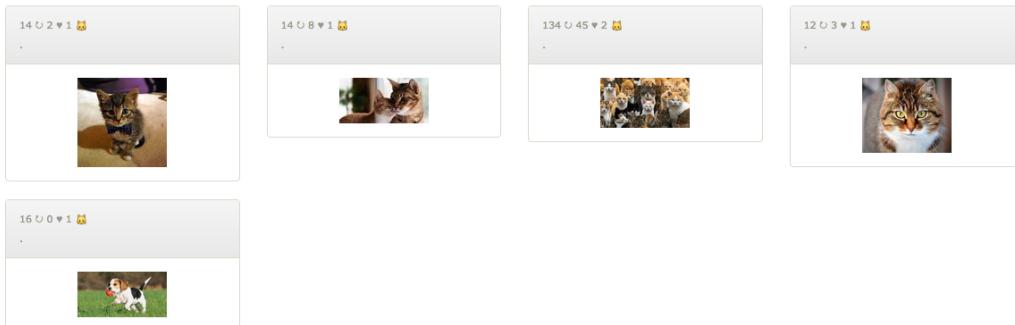
(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

And get confirmation.

Bye! Your account has been successfully cancelled. We hope to see you again soon.

## Welcome on Catstagram !

### Latest Photos (5):



### Latest Hashtags (4):



Or alternatively, go to *Change password*, and click *Cancel my account*

### Edit User

**Email**


**Password** (leave blank if you don't want to change it)

**Password confirmation**


**Current password** (we need your current password to confirm your changes)



### Cancel my account

Unhappy?

[Back](#)
[LOG OUT](#)
[MY PROFILE](#)
[MY CATS \(0\)](#)
[MY PHOTOS \(1\)](#)
[CHANGE PASSWORD](#)
[EDIT PROFILE](#)
[Back to top](#)

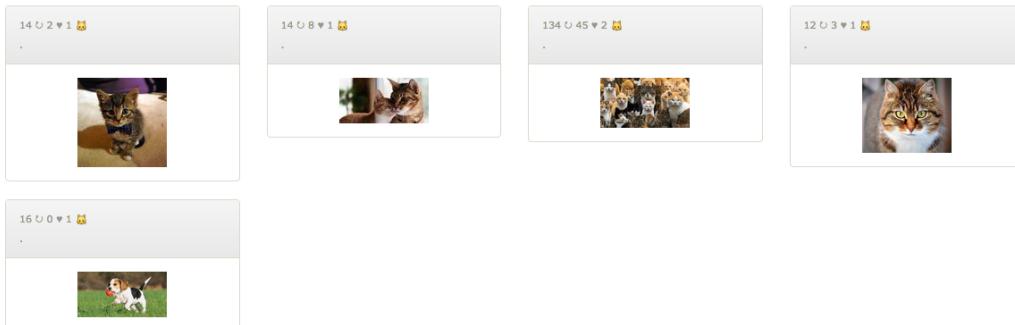
(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

And get confirmation.

Bye! Your account has been successfully cancelled. We hope to see you again soon.

## Welcome on Catstagram !

### Latest Photos (5):



### Latest Hashtags (4):



- Report bad photos - `photos_controller#report`

On a photo you don't own, click *Report*



by bad

Uploaded: 2015-06-13 00:00:00 UTC

a bad reported photo, it's not a cat, it's a dog!

#### Cats featured in this photo:



when logged in,  
not on own photo  
report count

[LIKE](#) [REPORT](#) 15 U 0 V 1 🐱 5 ⚡



by bad

Uploaded: 2015-06-13 00:00:00 UTC

a bad reported photo, it's not a cat, it's a dog!

## Cats featured in this photo:

CATNONYMOUS



localhost:3000 says:

Are you sure to report this photo?

Cancel

OK

LIKE REPORT 15 0 0 1 5 ▲

[Back to top](#)

(c) 2016 Catstagram ~ HEIG-VD ~ Made by Eléonore d'Agostino &amp; Valentin Minder.

And get confirmation:

Report sent



by bad

Uploaded: 2015-06-13 00:00:00 UTC

a bad reported photo, it's not a cat, it's a dog!

## Cats featured in this photo:

CATNONYMOUS



LIKE REPORT 16 0 0 1 6 ▲

- View the report count of a photo - `photos_controller#show`

Report sent



by bad

Uploaded: 2015-06-13 00:00:00 UTC

a bad reported photo, it's not a cat, it's a dog!

## Cats featured in this photo:

CATNONYMOS



LIKE REPORT 16 0 1 6 ▲

- Like photos - `photos_controller#like`

On a photo you don't own, click *Like*



by admin

Uploaded: 2016-06-14 08:52:02 UTC

even nicer.... miaou

## Cats featured in this photo:

HOUILLE



#CUTE #SUNNY #SUMMER #LOVE

LIKE REPORT 14 0 7 1 ▲

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

localhost:3000/photos/4/like

And it updates automatically without reloading (admin)



by admin

Uploaded: 2016-06-14 08:52:02 UTC

even nicer.... miaou

Cats featured in this photo:

HOUILLE



disappears  
after  
click

#CUTE #SUNNY #SUMMER #LOVE

REPORT 14 0 8 1 🐱

Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

## As Admin

- Receive alerts of new reports - no controllers involved, just an alert & number in the navigation bar

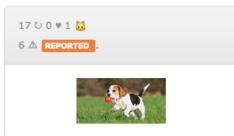
See next screen.

- View new reports - `photos_controller#reported`

Click *New reports* in the navigation bar

## Photos on Catstagram

### Reported photos (2):



POST NEW PHOTO

Back to top

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- Reset report counts - `photos_controller#reset`

On a reported photo, click *Reset count*



by paranoodle

Uploaded: 2016-06-14 08:52:02 UTC

A bunch of nice cats for Catstagram!

Cats featured in this photo:

?? HOUILLE

localhost:3000 says:  
Are you sure to reset the report count of this photo?

Cancel OK

EDIT DELETE

#CUTE #SUNNY #NICE

LIKE REPORT RESET REPORTS (1) 135 U 45 ♀ 2 ♂ 1 ⚡ REPORTED

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

and get confirmation.



by paranoodle

Uploaded: 2016-06-14 08:52:02 UTC

A bunch of nice cats for Catstagram!

Cats featured in this photo:

?? HOUILLE

localhost:3000 says:  
Are you sure to reset the report count of this photo?

Cancel OK

EDIT DELETE

#CUTE #SUNNY #NICE

LIKE REPORT RESET REPORTS (1) 136 U 45 ♀ 2 ♂ 1 ⚡ REPORTED

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Remove reported photos - `photos_controller#destroy`

On a reported photo, click *Delete*

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH NEW REPORTS 1 ADMIN ACTIONS ▾ ADMIN ▾



by bad  
Uploaded: 2015-06-13 00:00:00 UTC  
a bad reported photo, it's not a cat, it's a dog!

Cats featured in this photo:  
CATNONYMOS



**localhost:3000 says:**  
Are you sure to delete this photo?  
 Prevent this page from creating additional dialogs.

Cancel OK

EDIT DELETE

LIKE REPORT RESET REPORTS (6) 20 U 0 V 1 🐱 6 A REPORTED

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder

- Ban (and unban) user - `users_controller#ban` and `users_controller#ban_update`

On a user profile, click *Ban*

Catstagram PHOTOS CATS USERS HASHTAGS Search everywhere... SEARCH NEW REPORTS 1 ADMIN ACTIONS ▾ ADMIN ▾

# BAD



I am a bad guy and I'm banned...

Joined at: 2016-06-14 08:52:02 UTC

Cats belonging to bad (0):  
No cats yet!

Photos uploaded by bad (1):



BAN EDIT ROLES EDIT DELETE

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder

Change the date (in the future to ban, in the past to unban), with calendar *on chrome*, with textfield on *Firefox*

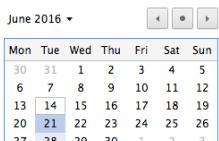
## Ban User bad

click ⌘ to reset

Enter the date until which the user must be banned (format: YYYY-MM-DD or DD/MM/YYYY). Dates before the current date or empty value will unban the user.

Ban until

21/06/2016



[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

Click Ban

## Ban User bad

Enter the date until which the user must be banned (format: YYYY-MM-DD or DD/MM/YYYY). Dates before the current date or empty value will unban the user.

Ban until

21/06/2016

**BAN USER**

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

And get confirmation.

User was successfully banned.

## BAD

[UNBAN](#) [EDIT ROLES](#) [EDIT](#) [DELETE](#)

User is banned until 2016-06-21 00:00:00 UTC



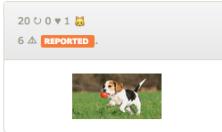
I am a bad guy and I'm banned...

Joined at: 2016-06-14 08:52:02 UTC

Cats belonging to bad (0):

No cats yet!

Photos uploaded by bad (1):



[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

Same applies to unban.

- View banned users - `users_controller#banned`

From the admin menu, click *View Banned Users*

**Catstagram** PHOTOS CATS USERS HASHTAGS  SEARCH NEW REPORTS 1 ADMIN ACTIONS ▾ ADMIN ▾

## Users on Catstagram

Banned Users (1):

SHOW HASHTAGS FOR ADMIN  
SHOW ROLES  
NEW ROLE  
EDIT MY ROLES  
VIEW REPORTED PHOTOS (1)  
VIEW BANNED USERS (1)

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Remove user - `users_controller#destroy`

Click on *Delete*, as for a regular user.

- Create empty new hashtag - `hashtags_controller#new`

**Catstagram** PHOTOS CATS USERS HASHTAGS  SEARCH NEW REPORTS 1 ADMIN ACTIONS ▾ ADMIN ▾

## New Hashtag

Tag

Back [Back to top](#) (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- View editable list of all hashtags - `hashtags_controller#index_admin`

**Catstagram** PHOTOS CATS USERS HASHTAGS  SEARCH NEW REPORTS 1 ADMIN ACTIONS ▾ ADMIN ▾

## Listing Hashtags for admin.

| Tag         | Show | Edit | Destroy |
|-------------|------|------|---------|
| cat         | Show | Edit | Destroy |
| Catstagram  | Show | Edit | Destroy |
| cute        | Show | Edit | Destroy |
| love        | Show | Edit | Destroy |
| nice        | Show | Edit | Destroy |
| summer      | Show | Edit | Destroy |
| sunny       | Show | Edit | Destroy |
| switzerland | Show | Edit | Destroy |

New Hashtag [Back to top](#) (c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Edit everything - `[NAME]s_controller#edit` and `users_controller#edit_roles` and `users_controller#save_roles`

As in regular user, but for a cat additionnal options for owner, to remove/add/change ownership

## Editing Cat "miaou"

[RETURN TO MIAOU'S PROFILE](#)

Cat Name

miaou

Description

a very good cat

City

lausanne

Birth time

14 June 2016

Has an owner?

 Yes

paranoodle

 No[EDIT CAT](#)[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

And get confirmation

Cat was successfully updated.

## MIAOU

[EDIT](#)[DELETE](#)

a very good cat

From lausanne  
 Belongs to paranoodle  
 Birth date 2016-06-14

## Photos of this cat (0):

No photos yet!

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

- List roles

## Listing Roles

Name

|        | Show | Edit | Destroy |
|--------|------|------|---------|
| admin  | Show | Edit | Destroy |
| user   | Show | Edit | Destroy |
| tester | Show | Edit | Destroy |

New Role

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino &amp; Valentin Minder.

SHOW HASHTAGS FOR ADMIN

SHOW ROLES

NEW ROLE

EDIT MY ROLES

VIEW REPORTED PHOTOS (1)

VIEW BANNED USERS (1)

- Edit roles

## Roles attributed to admin

Roles  
 admin  
 user  
 tester

SAUVEGARDER

REK  
SHOW HASHTAGS FOR ADMIN  
SHOW ROLES  
NEW ROLE  
EDIT MY ROLES  
VIEW REPORTED PHOTOS (1)  
VIEW BANNED USERS (1)

[Back to top](#)

(c) 2016 Catstagram - HEIG-VD - Made by Eléonore d'Agostino & Valentin Minder.

- Destroy everything - `[NAME]s_controller#destroy`

As seen in previous screens.