# Authentication

The security system is configured in app/config/security.yml.

## 1) The website are entirely restricted as ROLE\_USER:

**- in app/config/security.yml**

security:

#------

firewalls:

main:

pattern: ^/

#----------

#-> all the site is under this main firewall

access\_control:

#--------------

- { path: ^/, roles: ROLE\_USER }

#-> to access you must be registred as ROLE\_USER

## 2)To be a user, a visitor must have an account. To this he must have to created one of it The security must let to pass this form.

**- in app/config/security.yml**

security:

#------

firewalls:

main:

pattern: ^/

#->all the site is under this firewall

#----------

access\_control:

#--------------

- { path: ^/users, roles: IS\_AUTHENTICATED\_ANONYMOUSLY }

#-> Everyone can access to this page '/users',so '/users/create' works too and a visitor can create an account

#--------------------------------

## 3) To pass from anonymous to user role you must be authenticated by a form login managed by AppBundle/Controller/SecurityController:loginAction. The security must call and let to pass this form.

**- in app/config/security.yml**

security:

#------

firewalls:

main:

anonymous: ~

pattern: ^/

form\_login:

login\_path: login

check\_path: login\_check

always\_use\_default\_target\_path: true

default\_target\_path: /

logout: ~

#-> this setting allow visitors to authenticate themselve with a form when they arrive to the homepage

access\_control:

- { path: ^/login, roles: IS\_AUTHENTICATED\_ANONYMOUSLY }

#-> Everyone can access to this form login page

#----------------------------------

## 4) Only users with ROLE\_ADMIN can to edit the users

- in src/AppBundle/Controller/UserController.php

class UserController extends Controller

{

#----------------------

/\*\*

\* @Route("/users/{id}/edit", name="user\_edit")

\* @Security("has\_role('ROLE\_ADMIN')")

\*/

public function editAction(User $user, Request $request)

#--------------------------------

#-> only user admin can be able to call this method (\* @Security("has\_role('ROLE\_ADMIN')"))

**- in app/Resources/user/list.html.twig**

#--------------------------------

{% if is\_granted('ROLE\_ADMIN') %}

Actions

#-> The action column don't display its if the user is not an admin

{% endif %}

#---------------------------------

{% if is\_granted('ROLE\_ADMIN') %}

#-> the link to the edit page don"t display its if the user is not an admin

Edit

{% endif %}

#---------------------------------

## 5) The users are loaded from the database through the user entity:

- **in app/config/security.yml**

providers:

doctrine:

entity:

class: AppBundle:User

#-> User entity

property: username

[For more explain on the security look at this link](https://openclassrooms.com/courses/developpez-votre-site-web-avec-le-framework-symfony/securite-et-gestion-des-utilisateurs-1)