

# **Eduteca user manual**

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# 1 What Eduteca is?

Eduteca is a tiny web platform to share contents freely among a community of users. The platform is based in 3 environments:

- Desktop users. They can register, browse and upload contents in Eduteca.
- Mobile users. They can do the same as desktop users except for uploading contents.
- Administrator. They manage the platform and validate the contents uploaded by the regular users.

## 2 Requirements

Eduteca requires:

- Apache web server
- PHP 5.3.2 or above
- Apache configured with mod\_php or cgi/fast cgi interface to run PHP scripts
- A database. Tested on MySQL, although any database with supported by PDO and identity primary keys generation should work fine.
- A browser with the following requirements:

	Web <sup>1</sup>	Administration
Internet Explorer	7 or above	6 or above
Google Chrome	14 or above	10 or above
Apple Safari	5 or above	5 or above
Mozilla Firefox	5 or above	4 or above

For mobile users, they can use any browser with HTML 5 and any javascript features activated.

## 3 Installation

Eduteca was developed using Symfony 2<sup>2</sup> framework. To run Eduteca all requirements of Symfony must be met. The url:

<http://localhost/eduteca/web/config.php>

Can give you more details in case of troubles.

---

<sup>1</sup> The complete list of supported browsers is available in <https://github.com/twitter/bootstrap/wiki/Browser-Compatibility>

<sup>2</sup> <http://symfony.com/>

1. Edit the php.ini file.

1. Set the property “date.timezone”. Example: “date.timezone = "Europe/Madrid"”
2. Uncomment the following extensions:
  - extension=php\_fileinfo.dll
  - extension=php\_gd2.dll
  - extension=php\_intl.dll
  - extension=php\_mbstring.dll
  - extension=php\_pdo\_mysql.dll (in case of MySQL)
  - extension=php\_pdo\_sqlite.dll

2. Copy Eduteca in your document root as is.

3. Edit the file eduteca\app\config\parameters.ini. Specify your database server.

- database\_driver = (in MySQL is pdo\_mysql)
- database\_host
- database\_port (in case of blank, it will be the default port)
- database\_name
- database\_user
- database\_password

4. Open a shell and move to the \$DOCUMENT\_ROOT/eduteca. Execute the following command to create the database (not the tables!!)

```
php app/console doctrine:database:create
```

5. In the same shell windows, create the tables with the command:

```
php app/console doctrine:schema:update --force
```

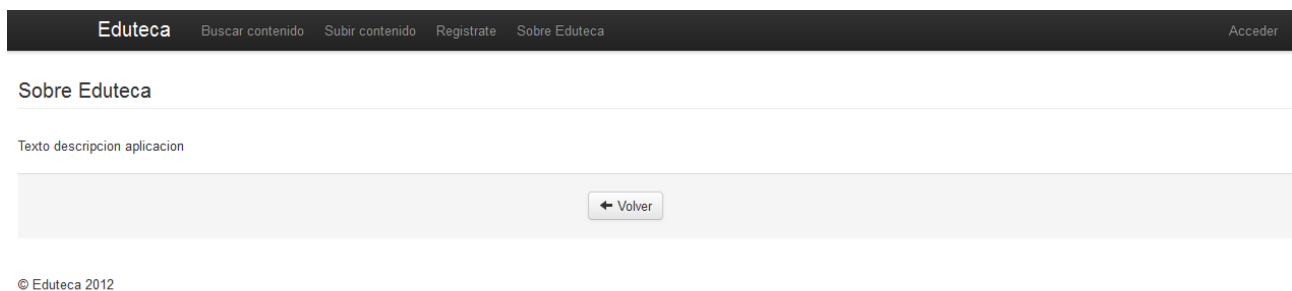
Database you have the following structure:

Name ^	Rows	Size	Created	Updated	Engine	Comment	Type
content	0	48,0 KB	2012-08-20 20:13:26		InnoDB		Table
course	0	16,0 KB	2012-08-20 20:13:26		InnoDB		Table
eduteca_group	0	32,0 KB	2012-08-20 20:13:26		InnoDB		Table
user	0	32,0 KB	2012-08-20 20:13:26		InnoDB		Table
user_group	0	48,0 KB	2012-08-20 20:13:26		InnoDB		Table

6. Now go to the url:

<http://localhost/eduteca/web/app.php/about>

You should be see a screen like this:



Congratulations. You have your Eduteca up and running.

Recommended, but not mandatory is to make the url of Eduteca more friendly, for example creating rewritten them in Apache.

Web	Url
Desktop	http://yourserver:port/eduteca/web/app.php/
Administration	http://yourserver:port/eduteca/web/app.php/admin
Mobile	http://yourserver:port/eduteca/web/app.php/mobile

## 4 User manual

To access to the regular desktop web go to:

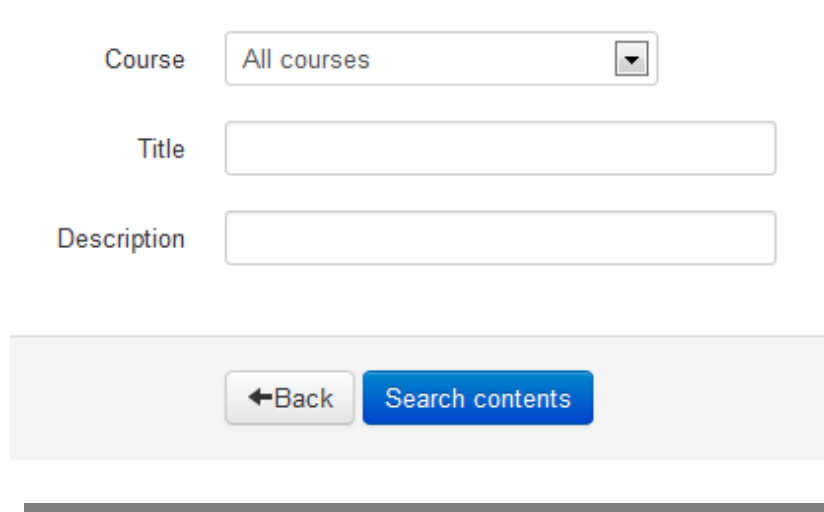
<http://localhost/eduteca/web/app.php/>

Regular users are allowed to:

- Search and download contents without authentication
- Register in Eduteca
- Upload contents previous log in

### 4.1 Search and download contents

In the home page, select the option “Search content” from the main menu.







The form is located within a light gray bordered box. It contains three input fields: a dropdown menu for 'Course' with 'All courses' selected, a text box for 'Title', and a text box for 'Description'. Below these fields is a light gray bar containing two buttons: a 'Back' button with a left arrow and a blue 'Search contents' button.

Introduce the criteria to search (if any) and press the button “Search contents”.

NOTE: Only approved contents are shown

The contents which meet you criterial will be shown in a list.

#### Results of the search

Title	Description	Course	Link to the content
Title 1	Description 1	Curso	
Title 10	Description 10	CourseName11	
Title 11	Description 11	CourseName11	
Title 12	Description 12	CourseName13	

In case you want to download it, just press the icon



## 4.2 Register in Eduteca

To register in Eduteca select the option “Join us!” from the upper menu. Fill the form

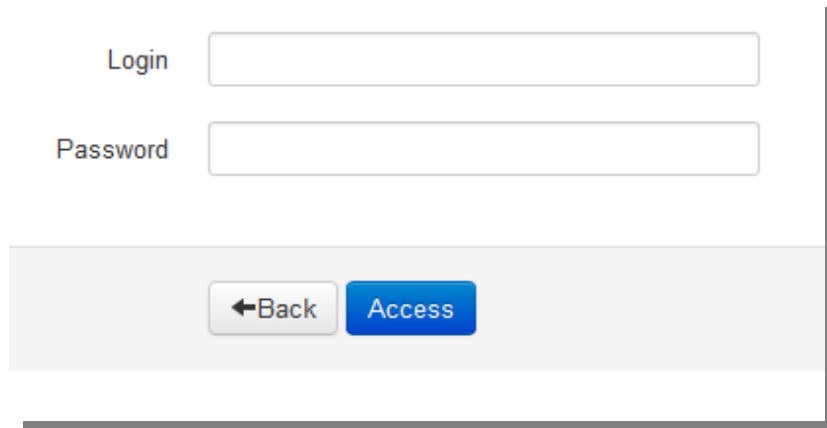
Login	<input type="text"/>
Password	<input type="password"/>
Verify the password	<input type="password"/>
Name	<input type="text"/>
First surname	<input type="text"/>
Second surname (if any)	<input type="text"/>
E-mail address	<input type="text"/>
Captcha	<div>46ja8</div> <input type="text"/>

And press the button “Register user”.

NOTE: After finishing the registration process you user will not be enabled until an administrator validates it

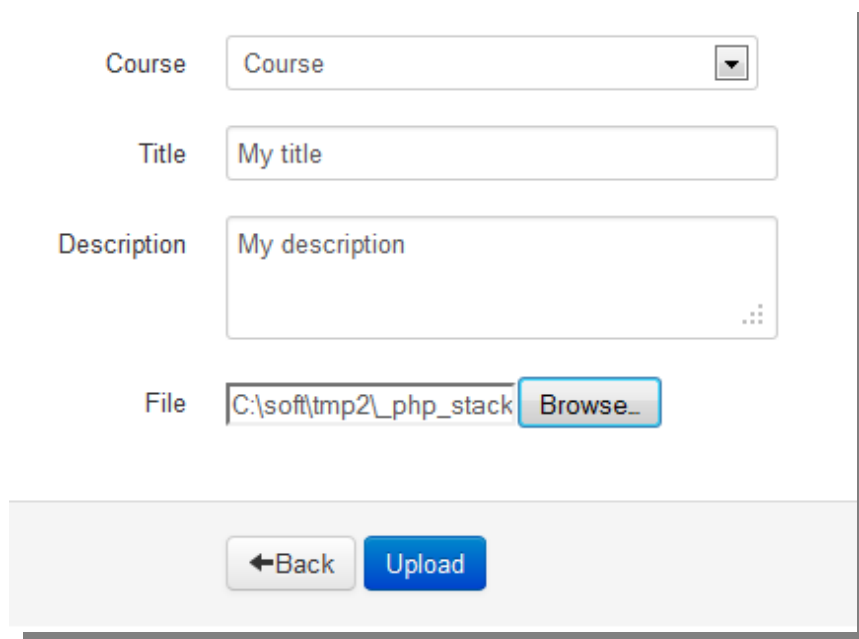
### 4.3 Upload contents

From any place of Eduteca select the option “Upload content” from the main menu. If case you are not still logged the login form will be shown.



The login form consists of two text input fields. The first field is labeled "Login" and the second is labeled "Password". Below these fields is a light gray bar containing two buttons: a "Back" button with a left-pointing arrow and an "Access" button in blue.

After login fill the form with the new content.



The content upload form contains four input fields. The first is a dropdown menu labeled "Course" with "Course" selected. The second is a text field labeled "Title" with "My title" entered. The third is a text area labeled "Description" with "My description" entered. The fourth is a file input field labeled "File" showing a file path "C:\soft\tmp2\\_php\_stack" and a "Browse..." button. At the bottom, a light gray bar contains a "Back" button and a blue "Upload" button.

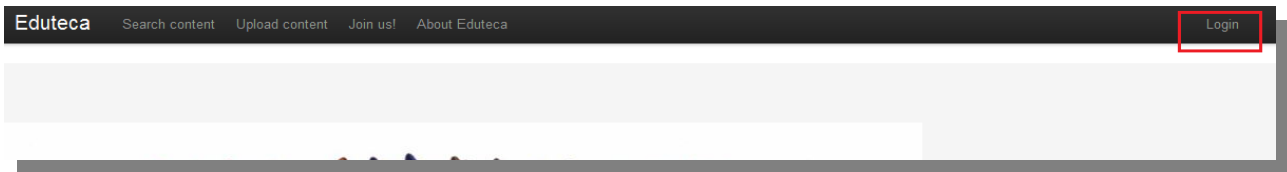
NOTE: The size and file types of the contents allowed are limited by administrators

Press the button “Upload” from upload the new content in Eduteca. Once the content is uploaded, this **will not be show** from the “Search content” option. This due to the content have to be validated by administrators.

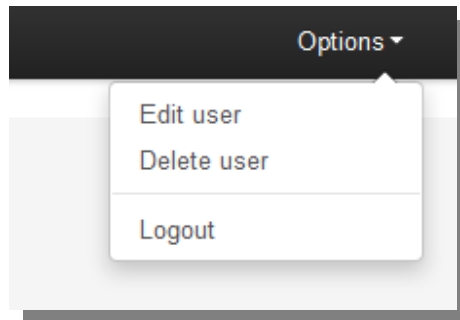


## 4.4 Edit the user data

In case a user want to change its profile, first the use must log in in Eduteca. To login, press the option “Login” from upper menu.



After login, the “Login” option changes to “Options”.

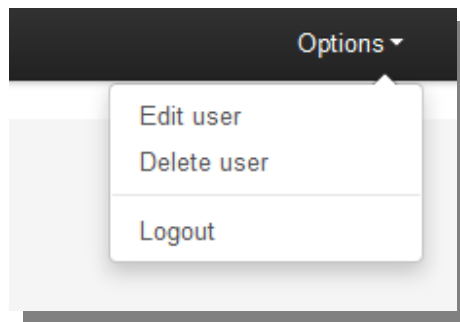


Select the option “Edit user”. New capture show the form in which user's details can be modified.

A screenshot of the user profile modification form. The form is white with a light grey border. It contains several input fields with labels to their left: 'Login' (with value 'login'), 'Password' (with a placeholder 'Password'), 'Verify the password' (with a placeholder), 'Name' (with value 'nombre2'), 'First surname' (with value 'ap12'), 'Second surname (if any)' (with value 'ap22'), and 'E-mail address' (with value 'gg@gg1.com'). At the bottom, there are two buttons: a grey '←Back' button and a blue 'Modify user' button.

## 4.5 Delete the user

In case an user wish to be deleted, they can delete themselves after log in. In the menu “Options”



Select the option “Delete user”.

NOTE: After deleting an user, it cannot be restore even for administrators

## 5 User manual (Mobile web)

There is a special web adapted to mobile devices, phones and tablets. The user is:

<http://localhost/eduteca/web/app.php/mobile>

From there, user can do most of what it could be done from the desktop web with the exception of upload content, delete and modify user's details.

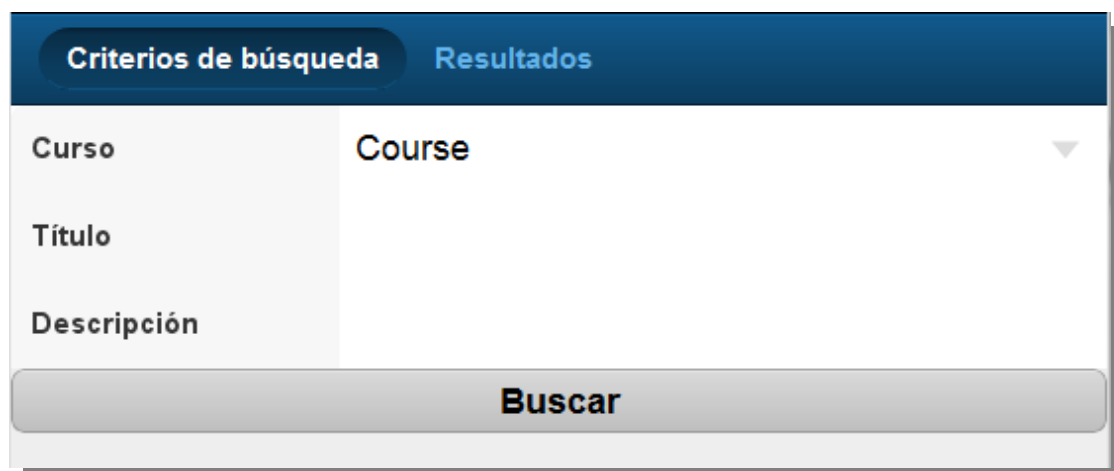
NOTE: This web is only available in Spanish. The main problem is there is not official support for multi language in Sencha Touch 2.0

### 5.1 Search and download contents

Press the icon



From the bottom toolbar. Introduce the filters to apply in your search.

A screenshot of a mobile web search interface. At the top, there are two tabs: "Criterios de búsqueda" (selected) and "Resultados". Below the tabs, there are three filter categories: "Curso" (with a dropdown menu showing "Course"), "Título", and "Descripción". At the bottom, there is a large grey button labeled "Buscar".

Criterios de búsqueda		Resultados
Curso	Course	
Título		
Descripción		
<b>Buscar</b>		

Press the button “Buscar” for searching. The contents will appear in the tab titled “Resultados”.

Each entry of the list is a link from which the content can be downloaded.



If you want to change your criteria press over the title of the tab “Criterios de búsqueda”.

NOTE: For any mystery unknown for me (the developer), the second tab has a weird behaviour not showing correctly the title of the tab. It can be solve if the list is not scrollable what it means you (the user) will not be able to see all those contents beyond the screen.

## 5.2 Register in Eduteca

To register in Eduteca from your mobile device press the icon:



User registered from the desktop website are the same as registered from the mobile counterpart. If you already have an user, request another one is worthless.

Fill the form and press the button “Registrarse”

Login	
Password	
Nombre	
Primer apellido	
Segundo apellido	
E-mail	
<b>Registrarse</b>	

Your user will be created but you could not log in until an administrator validates your profile.

## 6 Administrator manual

Administrators are those users with the responsibility of keep in good shape Eduteca. They can do what regular user can do plus:

- Manage courses
- Manage contents
- Manage users. This include approve them or make the administrators

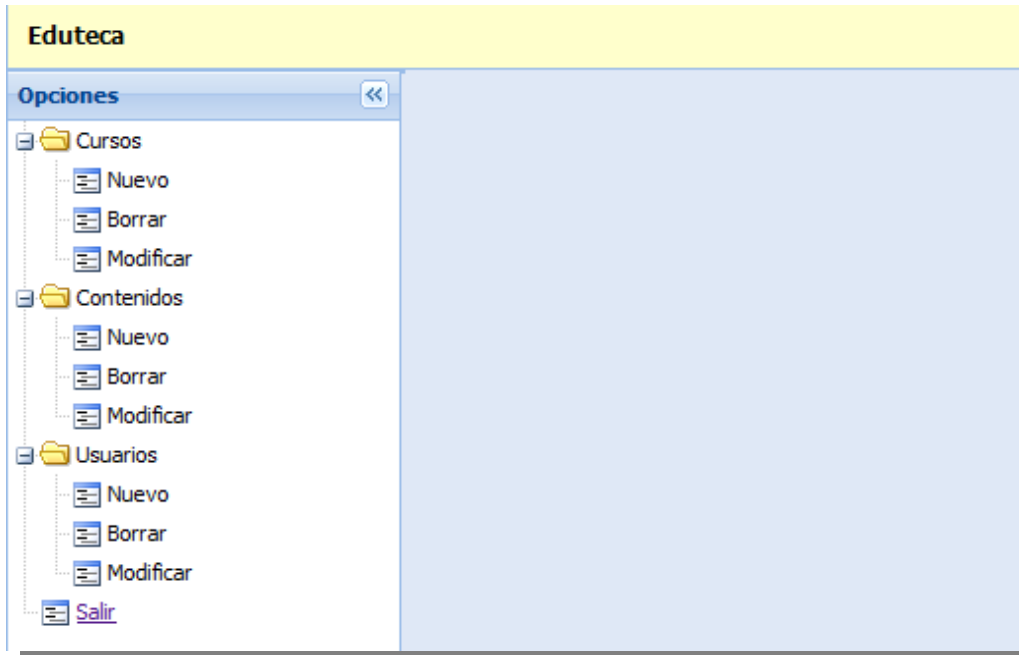
NOTE: This web is only available in Spanish. The main problem is there is not official support for multi language in ExtJs 4

To access the admin web site just type:

`localhost/eduteca/web/app.php/admin`

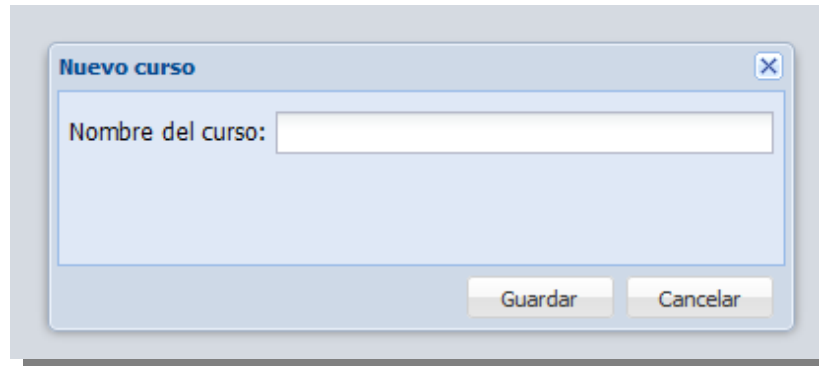
The default administrator user is “admin” and the password is “admin”.  
You can change it with the option “Usuarios->Modificar”

After login you will the main page.



## 6.1 Add a course

Add a new content is as easy as click over the option “Cursos->Nuevo”

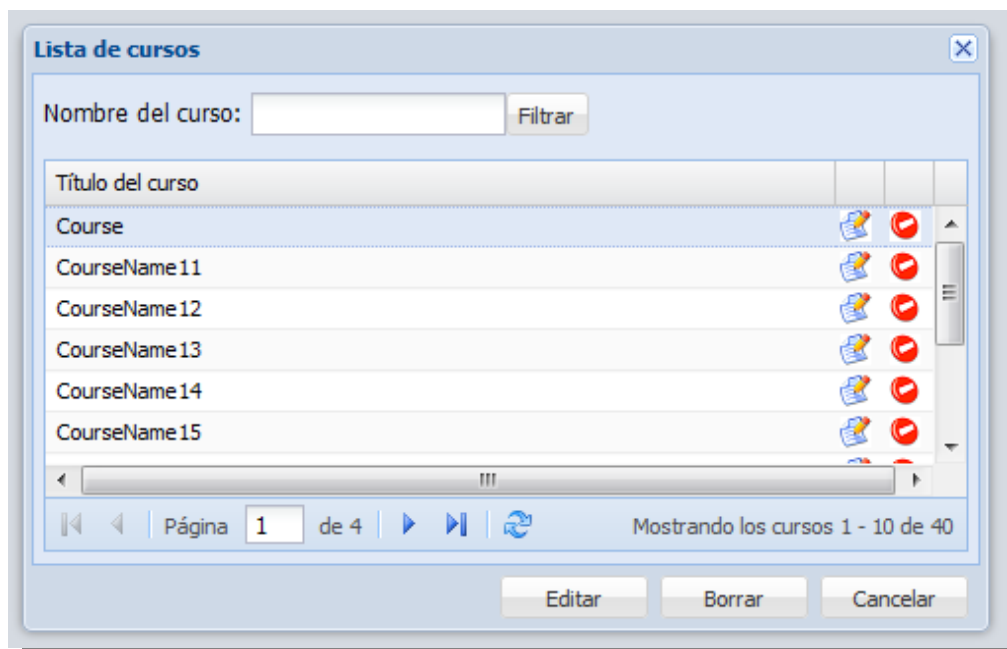


The screenshot shows a dialog box titled "Nuevo curso" with a close button (X) in the top right corner. Inside the dialog, there is a text input field labeled "Nombre del curso:". Below the input field, there are two buttons: "Guardar" (Save) and "Cancelar" (Cancel).

And supply the name of the course.

## 6.2 Manages existing courses

Delete / Modify or inspect can be done by either “Cursos->Borrar” or “Cursos->Modificar” options. First find the course to modify/delete with the upper filter or paging support.





The screenshot shows a dialog box titled "Lista de cursos" with a close button (X) in the top right corner. Inside the dialog, there is a text input field labeled "Nombre del curso:" followed by a "Filtrar" (Filter) button. Below the filter, there is a table with the following columns: "Título del curso", "Course", and two columns with icons (a document icon and a red circle with a white 'X'). The table contains the following rows:

Título del curso	Course	Document Icon	Delete Icon
CourseName 11			
CourseName 12			
CourseName 13			
CourseName 14			
CourseName 15			

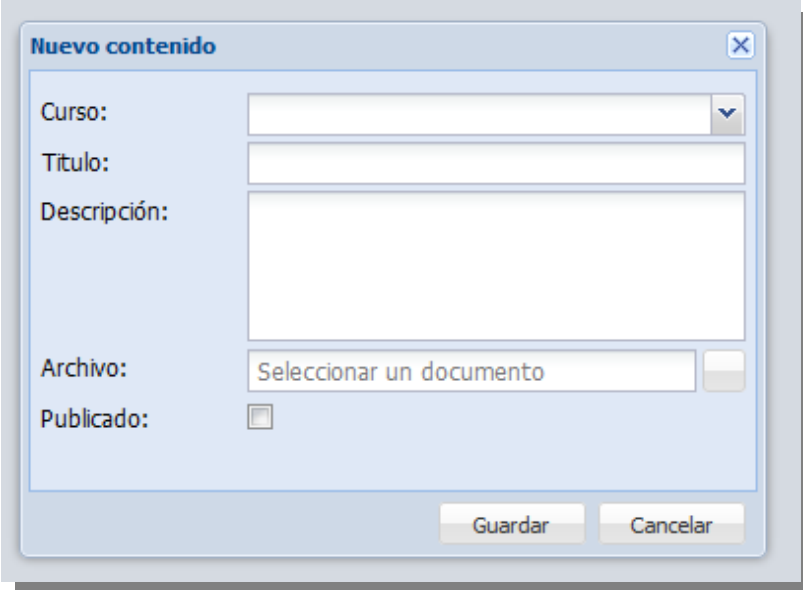
Below the table, there is a pagination bar with the text "Página 1 de 4" and a "Mostrando los cursos 1 - 10 de 40" (Showing courses 1 - 10 of 40) label. At the bottom of the dialog, there are three buttons: "Editar" (Edit), "Borrar" (Delete), and "Cancelar" (Cancel).

Once found, select the course and press:

 or the button “Editar”	For modifying / viewing the details of the course.
 or the button “Borrar”	For deleting the course.

### 6.3 Add a content

Add new content is as easy as press the option “Contenidos->Nuevo”. Fill the new windows with the appropriate data.



NOTE: If the option “Publicado” is not checked the content will not be browsable for regular users

Be careful with this option due to administrators can upload **any kind of contents without size restriction**.

### 6.4 Manage existing contents

Like courses, consult, modifications and removals can be done with the options “Contenidos->Borrar” or “Contenidos->Modificar”.



Título:

Descripción:

Fecha inicio:

Fecha final:

Curso:

▼

Usuario:

▼

Publicado:

☐

Filtrar

Título	Descripción	Archivo	Publicado	Fecha				
Title 1	Description 1	notas.txt	Si	08-08-2012 1...				
Title 10	Description 10	LICENSE.txt	Si	14-08-2012 2...				
Title 11	Description 11	LICENSE.txt	Si	14-08-2012 2...				
Title 12	Description 12	LICENSE.txt	Si	14-08-2012 2...				
Title 13	Description 13	2012081516412...	Si	15-08-2012 1...				
Title 14	Description 14	2012081517383...	Si	15-08-2012 1...				
Title 15	Description 15	2012081618393...	No	16-08-2012 1...				

◀

◀

Página

1

de 2

▶

▶▶

Mostrando los contenidos 1 - 10 de 16

Editar




Borrar

Cancelar

In this screen you can filter by several criteria:

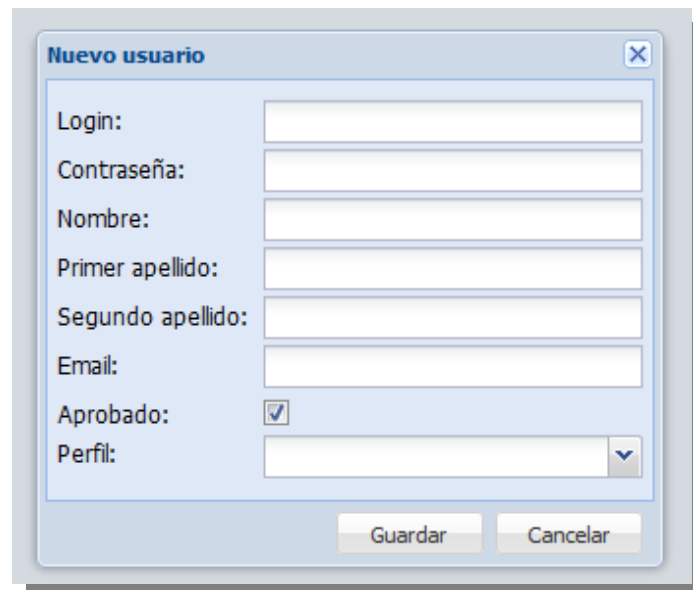
- Title (by proximity)
- Description (by proximity)
- Date range when the content was created
- By user
- By course

For each you can:

 or the button “Editar”	Edit / View the content. The creation data cannot be modified.
 or the button “Borrar”	Delete the content
	Download the content

## 6.5 Add a user

New user can be created with the option “Usuarios->Nuevo”. By the default the mark “Aprobado” is checked what it means, once created are ready to be used.



The image shows a 'Nuevo usuario' (New user) dialog box. It contains the following fields and controls:

- Login: [Text input field]
- Contraseña: [Text input field]
- Nombre: [Text input field]
- Primer apellido: [Text input field]
- Segundo apellido: [Text input field]
- Email: [Text input field]
- Aprobado: ☒
- Perfil: [Dropdown menu]
- Buttons: Guardar, Cancelar

There are two possible profiles:

- Regular user (Usuarios)
- Administrators (Administradores)

Administrator profile inherits from regular users. In other words, administrators extend the features of regular users.

## 6.6 Manage existing users

The management of users follows the same procedure of courses and contents. Select the option “Usuarios->Borrar” or “Usuarios->Modificar”.

**Lista de usuarios**

Login:  Nombre:

Primer apellido:  Segundo apellido:

Aprobado: ☐ Email:

Filtrar


Login	Nombre	1 Apellido	2 Apellido	Aprobado	Email		
1234	12	12		Si	12@12.com		
12345	12	12		No	12@12.com		
admin	admin	admin	admin	Si	admin@admin.c...		
login1	nom	ap1	ap2	No	gg@gg.com		
login2	nombre2	ap12	ap22	Si	gg@gg1.com		
login2b	eee	ff		No	gg@gg.com		

Mostrando los usuarios 1 - 10 de 10

Find the user to modify and then:

  
or the button  
"Editar"

For modifying / viewing the details of the user.

  
or the button  
"Borrar"

For deleting the user.

## 7 Advanced Topics

### 1.1 How to modify the mime types allowed

Regular user can allowed to upload only certain types of files. This measure prevents from uploading contents in formats difficult to be used for other members of the community. In case you want to widen the list edit the file:

eduteca\src\Eduteca\EdutecaBundle\Entity\Content.php

Search the string "mimeTypes". This property contains a list the mime types allowed. The list of supported mime types is in <http://www.iana.org/assignments/media-types/index.html>

## **1.2 How to change the maximum size of the documents**

Like mime types, you can set the size of the files. Edit the file:

```
eduteca/src/Eduteca/EdutecaBundle/Entity/Content.php
```

And find the text “maxSize”. This property indicated the maximum size (in bytes) allowed to be uploaded.

## **1.3 How to delete the cache**

In case you modify Eduteca, for example, you will need to remove the cache. PHP scripts are compiled for performance reasons. To delete it you can:

- Delete with the command from \$DOCUMENT\_ROOT/eduteca

```
php app/console cache:clear --env=pro --no-debug
```

- And / or delete the folder \$DOCUMENT\_ROOT/eduteca/app/cache/prod

## **1.4 How to change the texts of the web (desktop only)**

By default the text are in Spanish, Catalan and English. If you want to customize them, edit the files \$DOCUMENT\_ROOT/eduteca/src/Eduteca/EdutecaBundle/Resources/translations/messages.XX.xliff with the appropriate text.

Remember to delete the cache before testing the changes!

## **1.5 I have lost the password of the admin user. What can I do?**

Follow the next steps:

1. Go to the database and change the login (database parameters are in \$DOCUMENT\_ROOT/app/config/parameters.ini)
2. Go to the table “User” and change the login (column “login”) “admin” for another (ex: 'adminBack')
3. Go to the url “http://localhost/eduteca/web/app.php/about”
4. A new user in the table users will be created with the default password
5. Replace the values “password” and “salt” FROM the new admin INTO the old admin (“adminBack”)
6. Login to the administration web with “adminBack” and password “admin”

7. [Optional] Delete the “admin” user and change the login “adminBack” to “admin”.

## ***1.6 I want to do a backup. What should I know?***

There are three things to take into consideration:

- Your Apache configuration (PHP configuration and url rewrites)
- The database
- All the directory \$DOCUMENT\_ROOT/eduteca. This directory contains the application and the contents uploaded.

## ***1.7 I running out of space. What can I do?***

Most of the space required by Eduteca is spent storing contents. All of them by default are saved in the folder \$DOCUMENT\_ROOT/uploads/documents. From here on you can follow few techniques:

- Add a new hard disk, mount it (via /etc/fstab) and move all files and create a symbolic link (ln -s documents /new/path/documents)
- Move your upload/document directory into a remote filesystems. Export it via NFS and mount it via /etc/fstab. Then move all files and create a symbolic link (ln -s documents /new/path/documents)

## ***1.8 There is a problem in the Eduteca. How can I get more information?***

First of all you need access to the server and a browser. Then reproduce the steps which lead you a problem using the url:

`http://localhost/eduteca/web_dev.php/`

`http://localhost/eduteca/web_dev.php/admin`

`http://localhost/eduteca/web_dev.php/mobile`

These development urls are only accessible from localhost users. Moreover, take a look at the log in \$DOCUMENT\_ROOT/eduteca/app/logs