



# Identity Access Management Web application

## User Guide

Version: 1.0

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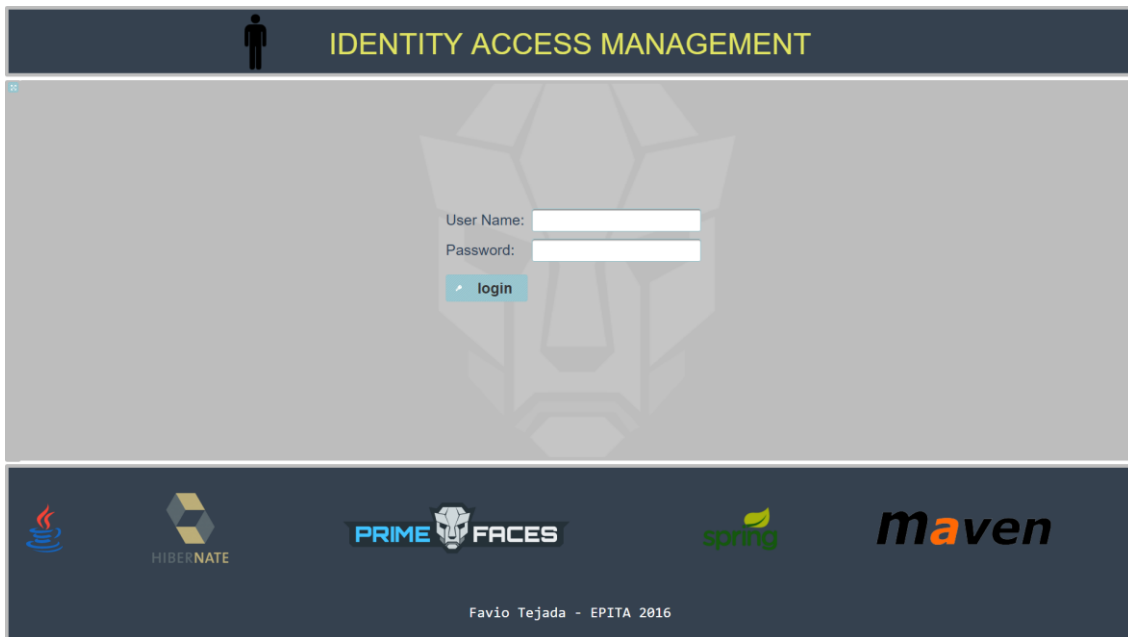
# 1. Running the application

Firstly, depending on the configuration of the application, start database service, by default, IAM works with Derby DB.

Secondly, the application has to be deployed in a web server like Apache Tomcat or Glassfish to run. The next step is to start the server, the URL for the application is:

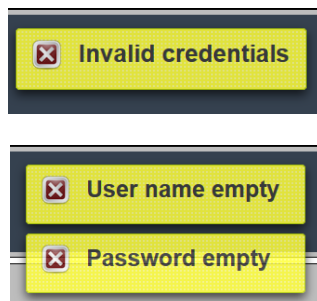
`localhost:8080/EPITASpecialization_IAMWeb`

which redirects to the Index page of the application, where you can access the system by giving your credentials.



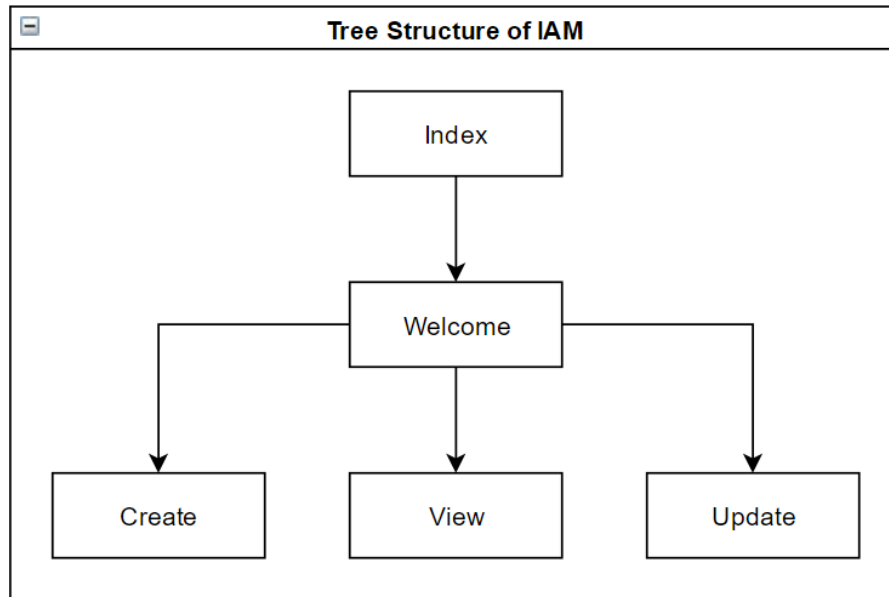
The present document can be opened from the application by either clicking on the expand button located on the top/left of the gray container or by pressing `ctr+shift+left` arroy.

Whenever a credential is invalid, the application displays a corresponding message informing the user.



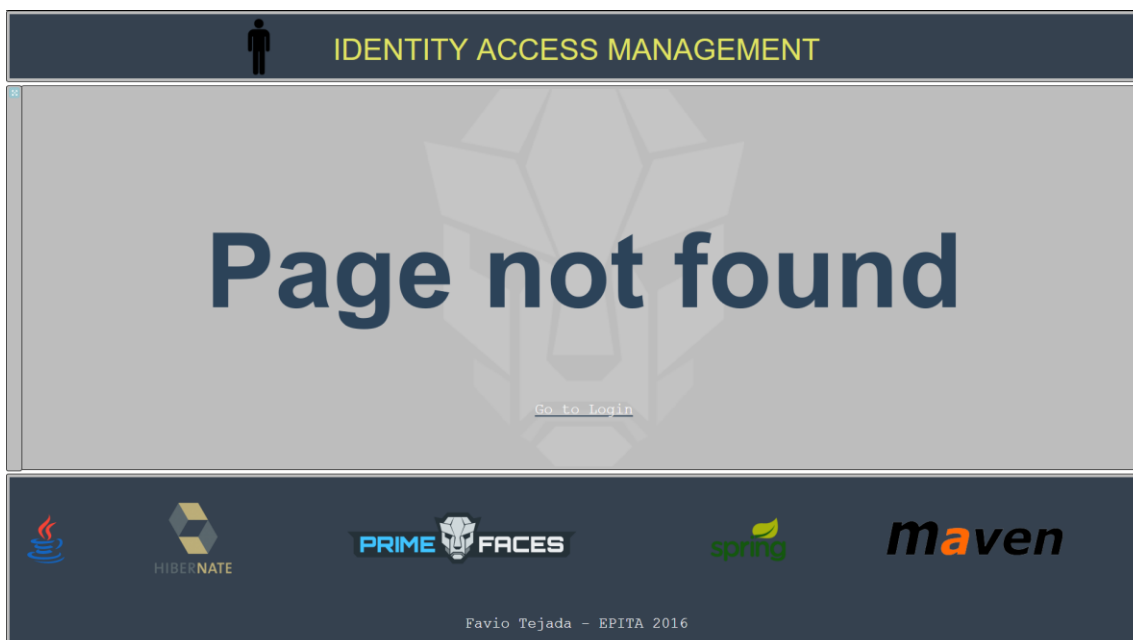
## 2. Structure of the application

The following diagram shows the tree structure of the pages:



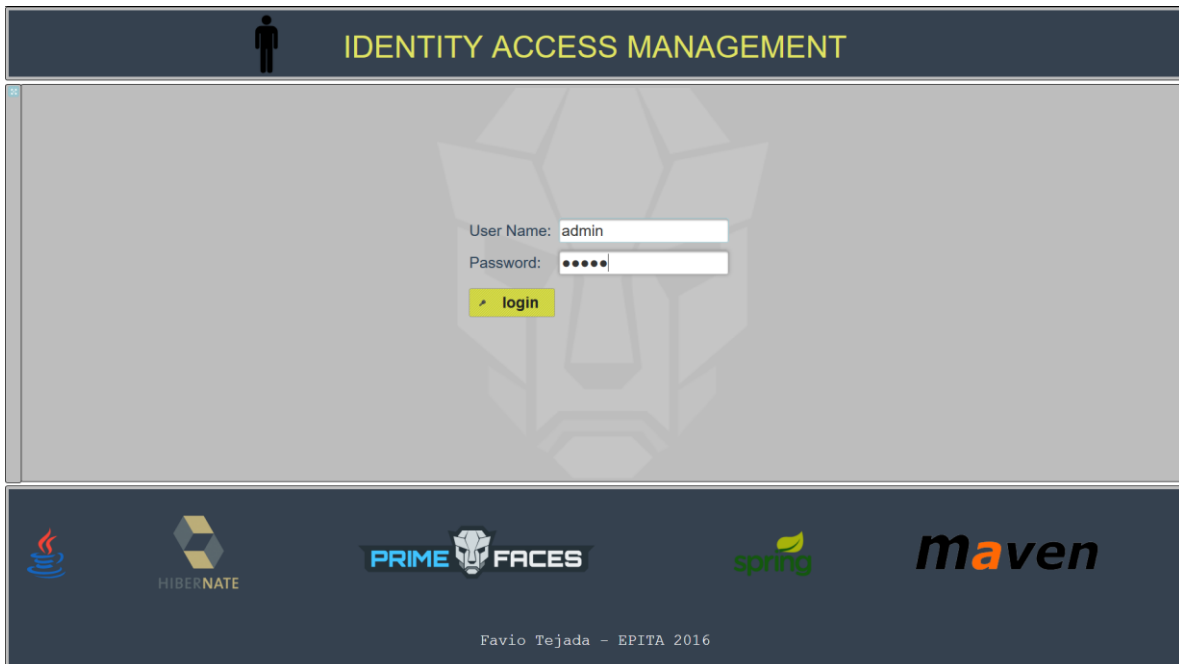
The diagram above shows the hierarchy among the web pages: it is required to authenticate for navigating through the application, otherwise any attempt to access another page different than Index without authenticating will result to be redirected to Index.

Any attempt to access a non-existing page, the application will redirect to:



### 3. Login

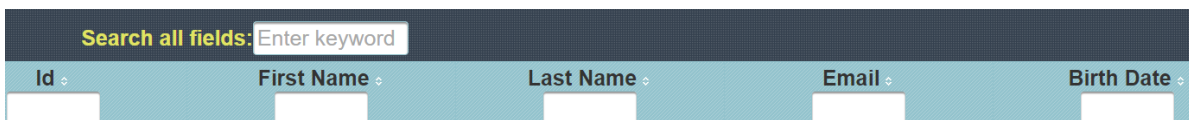
Once the application is running, enter username and password, then click on button login to access the IAM. **Username and password are provided in the project documentation.**



logged in to the application, a list containing all the Identities (if there are in the database) is displayed.

### 4. List

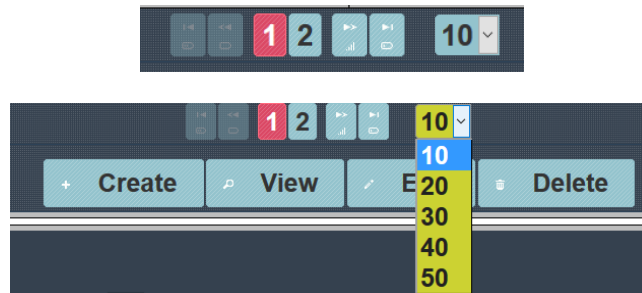
If login is successful, the application redirects to Welcome page that displays a list of identities (if there are stored in the DB) in a table format, containing search filters for the main attributes on the head of the table as well a generic filter on the most-top that can be used to search for any of the 5 main attributes:



When using the filters, the table auto updates its content if element(s) match the desired criteria(s).

To see again all the identities, just delete all the filled criteria, and the table with auto update its content.

The number of elements seen can be configured at the bottom section of the table, the default number is ten rows per :



In that sense, the table is customizable according to user's preferences, especially when the number of identities in DB is high.

The image below shows the full-sized welcome page.

WELCOME TO IAM WEB

Logout

Search all fields: Enter keyword

Id	First Name	Last Name	Email	Birth Date	Other attributes
7	Favio	Tejada	faviotejada7@gmail.com	1992-03-15	
8	Pepe	Ameller	jose@hotmail.com	1947-10-05	
208	Albertina	Guzman	albguz@yahoo.com	1945-04-13	
209	Charles	Xabier	profx@gmail.com	1959-05-15	
211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02	
215	Steve	Fox	stvfox@hotmail.com	1986-12-06	
216	Ernesto	Mamani	gume_mm@hotmail.com	1992-02-28	
217	Enzo	Françescoli	enzo@river.ar	1968-06-26	
218	Marco	Etcheverry	diablo@gmail.com	1964-12-05	
219	Laura	Velasco	sisi@gmail.com	1992-03-28	

1 2 10

+ Create View Edit Delete

Favio Tejada - EPITA 2016

The column Other attributes contains dropdown to see additional attributes (in case of exist), so order to see them, click on the button as shown below:

211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02	
215	Steve	Fox	stvfox@hotmail.com	1986-12-06	
Height			1.99 cm.		
Weight			92 Kg.		

In case of non-existing additional attributes, it displays “No records found”:

218	Marco	Etcheverry	diablo@gmail.com	1964-12-05	
No records found.					

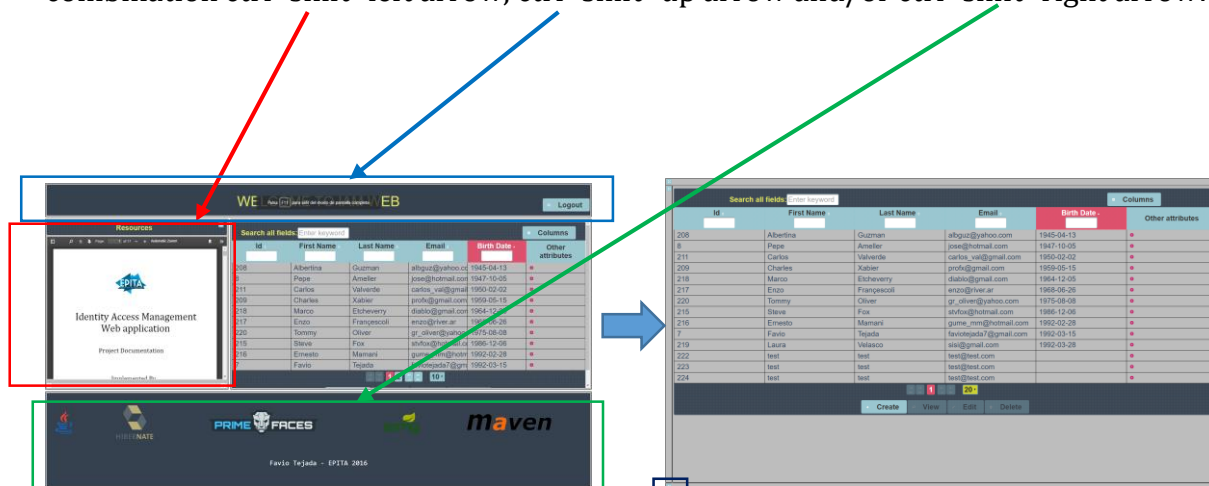
Additionally, the application allows to change the number of columns to be visible in the table, by clicking on the button Columns on the most-top-right section of the table:



Furthermore, the application allows to sort the table according its attributes, by clicking on any column that contain the name of the attribute, for example by birth date:

Id	First Name	Last Name	Email	Birth Date	Other attributes
208	Albertina	Guzman	albguz@yahoo.com	1945-04-13	
8	Pepe	Ameller	jose@hotmail.com	1947-10-05	
211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02	
209	Charles	Xabier	profx@gmail.com	1959-05-15	
218	Marco	Etcheverry	diablo@gmail.com	1964-12-05	
217	Enzo	Francescoli	enzo@river.ar	1968-06-26	
220	Tommy	Oliver	gr_oliver@yahoo.com	1975-08-08	
215	Steve	Fox	stvfox@hotmail.com	1986-12-06	
216	Ernesto	Mamani	gume_mm@hotmail.com	1992-02-28	
7	Favio	Tejada	faviotejada7@gmail.com	1992-03-15	

Finally, the application allows to increase the size of the table container, by typing the combination ctrl+shift+left arrow, ctrl+shift+up arrow and/or ctrl+shift+right arrow:

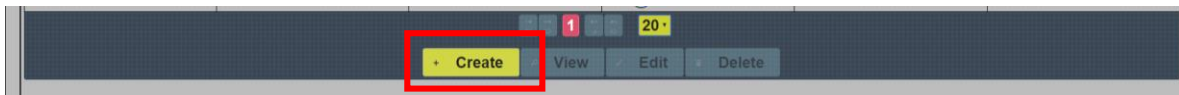


To go back one step, it is only needed to retype the combination of keys or by clicking on the expand buttons located both in the most-top-left and most-bottom-left sections of the page:



## 5. Create

To create a new Identity, click on the Create button located at the bottom of the table:



Once clicked, a new view is displayed with the fields to be entered by the user. There are two sections, one related to the main attributes (first name, last name, email and birth date) and a section to create new attributes, which is optional:

A screenshot showing a 'Create new Identity' dialog box overlaid on a table. The dialog box has two main sections. The first section, titled 'Create new Identity', contains four input fields: 'First Name \*', 'Last Name', 'Email', and 'Birthdate'. The 'First Name' field is marked with an asterisk. The second section, titled 'Create other attributes', contains two input fields: 'Name attribute : \*' and 'Value attribute : \*'. Below these fields are buttons for 'Reset', 'Add', 'Name', 'Value', and 'Action'. At the bottom of the dialog are 'Save' and 'Cancel' buttons. A red bracket on the right side of the dialog points to the 'First Name' field and is labeled 'Required fields'. Another red bracket points to the 'Create other attributes' section and is labeled 'Additional elements (optional)'. The background table has columns for 'Id', 'First Name', 'Last Name', 'Email', 'Birth Date', and 'Other attributes'. It contains several rows of data, including names like Albertina, Pepe, Carlos, Charles, Marco, Enzo, Tommy, Steve, Ernesto, Favio, Laura, test, and test.

The minimum field required to create a new Identity is the first name, it means that however attempt to create with an empty first name, a message is displayed:

A screenshot showing the 'Create new Identity' dialog box with an error message. The 'First Name' field is empty and has a red border. A yellow error message box in the top right corner of the dialog says 'the first name is required'. The rest of the dialog box, including the 'Create other attributes' section and the 'Save' and 'Cancel' buttons, is visible.



In reference to the additional attributes, the user enters the name of the new attribute, including its value,

Create other attributes

Name attribute : \*

Weight

Value attribute : \*

85 Kg.

Reset

Add

Name	Value	Action
Weight	85 Kg.	<a href="#">Remove</a>

Save

Cancel

A table below the “add button” shows the additional attribute just added. After filling the fields desired and/or creating additional attributes, click on Save button. A message will be displayed that the Identity was created and simultaneously the list of Identities will be refreshed, showing the Identity just added.

Search all fields:

Identity created

Id	First Name	Last Name	Email	Birth Date	Other attributes
7	Favio	Tejada	faviotejada7@gmail.com	1992-03-15	
8	Pepe	Ameller	jose@hotmail.com	1947-10-05	
208	Albertina	Guzman	albguz@yahoo.com	1945-04-13	
209	Charles	Xabier	profx@gmail.com	1959-05-15	
211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02	
215	Steve	Fox	stvfox@hotmail.com	1986-12-06	
216	Ernesto	Mamani	gume_mm@hotmail.com	1992-03-28	
217	Enzo	Francescoli	enzo@river.ar	1968-06-26	
218	Marco	Etcheverry	diablo@gmail.com	1964-12-05	
219	Laura	Velasco	sisi@gmail.com	1992-03-28	
220	Tommy	Oliver	gr_oliver@yahoo.com	1975-08-08	
238	test	test	test@test.com	2016-05-15	

Create

View

Edit

Delete

## 6. View

To view an Identity in detail, one row in the list has to be selected at least and then click on View button located at the bottom of the table:

7	Favio	Tejada	faviotejada7@gmail.com	1992-03-15	
8	Pepe	Ameller	jose@hotmail.com	1947-10-05	
208	Albertina	Guzman	albguz@yahoo.com	1945-04-13	
209	Charles	Xabier	profx@gmail.com	1959-05-15	
211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02	
215	Steve	Fox	stvfox@hotmail.com	1986-12-06	
216	Ernesto	Mamani	gume_mm@hotmail.com	1992-03-28	
217	Enzo	Francescoli	enzo@river.ar	1968-06-26	
218	Marco	Etcheverry	diablo@gmail.com	1964-12-05	
219	Laura	Velasco	sisi@gmail.com	1992-03-28	
220	Tommy	Oliver	gr_oliver@yahoo.com	1975-08-08	
238	test	test	test@test.com	2016-05-15	

Identity

Main attributes

Id	215
Name	Steve
Email	stvfox@hotmail.com
Birthdate	1986-12-06

Other attributes

Height	1.99 cm.
Weight	92 Kg.

Close

## 7. Edit

To edit on Identity, select a row of the table and then click on Edit button, located at the bottom of the table. Then edit the desired attributes, including the additional ones:

The screenshot shows a web application interface with a table of identities. The table has columns: Id, First Name, Last Name, Email, Birth Date, and Other attributes. Row 215 is selected. An 'Edit Identity' dialog box is open, showing the 'Main attributes' tab. The dialog has two tabs: 'Modify values' and 'Add attributes'. The 'Main attributes' section contains fields for Name (Steve), Last Name (Fox), Email (stvfox@hotmail.com), and Birthdate (06-12-1986). The 'Other attributes' section contains fields for Height (1.99 cm.) and Weight (92 Kg.). The dialog has 'Save' and 'Cancel' buttons at the bottom.

Id	First Name	Last Name	Email	Birth Date	Other attributes
7	Favio			2-03-15	
8	Pepe			2-10-05	
208	Albertina			2-04-13	
209	Charles			3-05-15	
211	Carlos			0-02-02	
215	Steve			6-12-06	
216	Ernesto			2-03-28	
217	Enzo			3-06-26	
218	Marco			4-12-05	
219	Laura			2-03-28	
220	Tommy			5-08-08	
238	test			6-05-15	

Additionally, it is possible to add new attributes, by going to Add attributes tab:

The screenshot shows the same web application interface, but the 'Edit Identity' dialog box is now showing the 'Add attributes' tab. The 'Add attributes' section contains a 'Create other attributes' form with fields for Name attribute (phone) and Value attribute (+591 72526696). There is an 'Add' button and a table showing the added attribute. The dialog has 'Save' and 'Cancel' buttons at the bottom.

Id	First Name	Last Name	Email	Birth Date	Other attributes
7	Favio			2-03-15	
8	Pepe			2-10-05	
208	Albertina			2-04-13	
209	Charles			3-05-15	
211	Carlos			0-02-02	
215	Steve			6-12-06	
216	Ernesto			2-03-28	
217	Enzo			3-06-26	
218	Marco			4-12-05	
219	Laura			2-03-28	
220	Tommy			5-08-08	
238	test			6-05-15	

When clicking on button Save, a message will be displayed and the table will be refreshed

## 8. Delete

To delete an Identity, click on any row of the table and then click on Delete, a message is displayed and the table is refreshed.

Search all fields: <input type="text" value="Enter keyword"/>						Columns
Id	First Name	Last Name	Email	Birth Date	Other attributes	
7	Favio	Tejada	faviotejada7@gmail.com	1992-03-15		
8	Pepe	Ameller	jose@hotmail.com	1947-10-05		
208	Albertina	Guzman	albguz@yahoo.com	1945-04-13		
209	Charles	Xabier	profx@gmail.com	1959-05-15		
211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02		
215	Steve	Fox	stvfox@hotmail.com	1986-12-06		
216	Ernesto	Mamani	gume_mm@hotmail.com	1992-03-28		
217	Enzo	Françescoli	enzo@river.ar	1968-06-26		
218	Marco	Etcheverry	diablo@gmail.com	1964-12-05		
219	Laura	Velasco	sisi@gmail.com	1992-03-28		
220	Tommy	Oliver	gr_oliver@yahoo.com	1975-08-08		
238	test	test	test@test.com	2016-05-15		

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CreateViewEditDelete



Search all fields: <input type="text" value="Enter keyword"/>						Columns	Identity deleted
Id	First Name	Last Name	Email	Birth Date	Other attributes		
7	Favio	Tejada	faviotejada7@gmail.com	1992-03-15			
8	Pepe	Ameller	jose@hotmail.com	1947-10-05			
208	Albertina	Guzman	albguz@yahoo.com	1945-04-13			
209	Charles	Xabier	profx@gmail.com	1959-05-15			
211	Carlos	Valverde	carlos_val@gmail.com	1950-02-02			
215	Steve	Fox	stvfox@hotmail.com	1986-12-06			
216	Ernesto	Mamani	gume_mm@hotmail.com	1992-03-28			
217	Enzo	Françescoli	enzo@river.ar	1968-06-26			
218	Marco	Etcheverry	diablo@gmail.com	1964-12-05			
219	Laura	Velasco	sisi@gmail.com	1992-03-28			
220	Tommy	Oliver	gr_oliver@yahoo.com	1975-08-08			

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CreateViewEditDelete