

ASCENDING GENEALOGY IN PHP

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Author : Christian Bachelet
<http://christian.bachelet.free.fr/>
christian@bachelet.net

1) General information

The purpose of this script is to dynamically generate pages HTML displaying various representations of a genealogical data base.

Only the direct ancestors are taken into account (except thus the brothers, sisters, uncles, aunts, cousins and other collateral; and of possible other marriages of an individual).

The number sosa represents the bond between the generations. The first individual has number 1. The father of individual n has the number $2n$ and his mother the number $2n + 1$.

A part from the contents of the genealogical data base, all the texts and field names are displayed in the current language. The first preferred language in the navigator of the visitor and managed by script (English, Spanish, French), or English by default, is initially selected like current language. Small national flags make it possible to change the current language dynamically. A bond makes it possible to return on the home page of the web site.

2) Conditions of use

The use of this script is entirely free. You must however respect the copyright and the bond towards web site of the author which are present in bottom of the generated pages.

If you wish informed being of the availability of a new version of script, you can send an email to the author.

3) The dynamic tree

The tree graphically displays the relations between the individuals of the data base.

In the family tree:

The aspect is depend on the really knows ancestors.

The number of generations represented is variable.

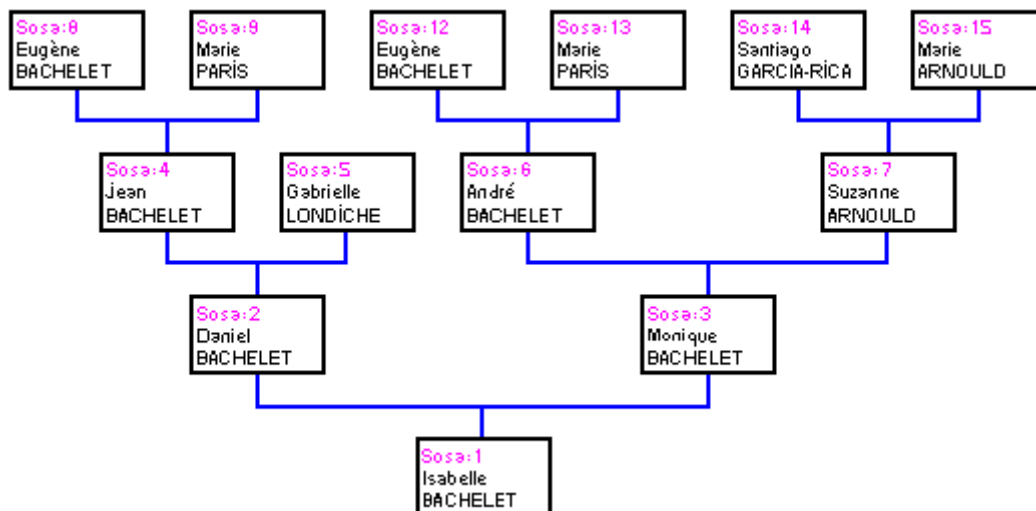
The first first name alone is displayed.

The number sosa is a bond toward the construction of the tree of the individual's ancestors.

If they are known, the dates and the places of the birth and the death are displayed when the mouse is on the number sosa of an individual (with Internet Explorer only).

If they are known, the date and the place of the the marriage, are displayed when the mouse is on a horizontal line.

Example of tree: Known ancestors of Isabelle BACHELET on four generations.



You will observe that no space is reserved in advance for the unknown parents of Gabrielle LONDICHE (sosa 5).

4) Lists

In the lists:

Each title of column makes it possible to sort the list according to this criterion.

If they are known, all the first names, dates and places are displayed.

4a) The individual record sheet

It displays all information known on an individual and possibly his photography.

The fields Father, Mother, Husband / Wife and Child make it possible to display the corresponding individual record sheet.

Sosa	1
Identity	Isabelle Suzanne Gabrielle BACHELET
Sex	Féminin
Father	Daniel Jean BACHELET
Mother	Monique Andrée Marie BACHELET

Note: Several marriages, Husband / Wife and children are possible in the event of implexe.

4b) The list of ascent

It displays all the individuals of the data base (displaying of the first names, dates and places of birth, marriages and death).

The fields first name and name makes it possible to display the corresponding individual record sheet.

Sosa	Occupation	First name	Surname	Birth	Marriage	Death
1		Isabelle Suzanne Gabrielle	BACHELET			
2		Daniel Jean	BACHELET			
3		Monique Andrée Marie	BACHELET			
4		Jean Gaston Onésime	BACHELET			
5		Gabrielle Renée Augustine	LONDICHE		08-05-1925 Paris (75)	00-06-1971 Lagny-sur-Marne (77)
6		André Eugène Julien	BACHELET			
7		Suzanne Georgette	ARNOULD			
8		Magasinier Eugène Théodule Gaston	BACHELET	29-11-1899 Liancourt (60)	16-10-1920 Sailly-le-Sec (80)	13-06-1985 Saint-Cloud (92)
9		Marie Adelina Aminta	PARIS	23-08-1898 Sailly-le-Sec (80)	16-10-1920 Sailly-le-Sec (80)	08-04-1980 Boulogne-Billancourt (92)
14	Cordonnier	Santiago	GARCIA-RICA		30-12-1874 Ocana (Espagne)	02-03-1942 Paris (75)
15	Journalière	Marie Augustine Amélie	ARNOULD		29-03-1892 Reims (51)	01-07-1961 Paris (75)

The list of ascent is possibly followed by a list of equivalence of numbers sosa.

4c) The quick list

It displays the statistics of the data base.

Each line gives the number of births, marriages and deaths as well as the years of beginning and end of period for a surname in a city.

Surname	City	Births	Marriages	Deaths	Begin	End
ARNOULD	Paris (75)	0	0	1	1961	1961
ARNOULD	Reims (51)	1	0	0	1892	1892
BACHELET	Juvignies (60)	1	0	0	1871	1871
BACHELET	Liancourt (60)	1	0	0	1899	1899
BACHELET	Saint-Cloud (92)	0	0	1	1985	1985

5) Installation

5a) You need

The shelterer of your web site must allow the use of a data base MySql and language PHP, such as Free (<http://www.free.fr>)

To test script locally you can download and install easyphp with the adress :
«<http://www.easyphp.org/?lang=en>»

5b) Configuration

File «*ancetres/sys/cfg/cfg.php*»

General parameters :

\$nSexeDeCujus Indicate if the individual of sosa 1 is of male (2) or female (1) sex.

\$LanguesScript To modify if you want to add other languages.

Parameters of connection to the data base :

\$sHost Indicate the access to the base MySql (example "<http://sql.free.fr>").

\$sUser Indicate your username (username at Free).

\$sPass Indicate your password.

\$sBase Indicate the name of the base MySql (username at Free).

Names of the tables :

\$sTbEclair	Name of table «eclair»	(genasc_eclair).
\$sTbEquivalences	Name of table «equivalence»	(genasc_equivalence).
\$sTbImplexes	Name of table «implexes»	(genasc_implexes).
\$sTbIndividus	Name of table «individus»	(genasc_individus).
\$sTbUnions	Name of table «unions»	(genasc_unions).

Block size in pixels :

\$sTailleBloc To dimension the width of the dynamic tree.

Photographs :

The photographs of your ancestors whom you wish to display in their individual record sheet must be with format JPEG, of a size of 150 X 200 pixels and are to be put in the directory «*ancetres/sys/photos*». Do not forget to fill the «photo» fields of the file «*individus.txt*» with the name of the file image (without the access path nor extension) before importing the data in the data base. Example: «MyPhoto».

File «*ancetres/gardien/vip.txt*»

This file contains the names and passwords of the people entitled to manage the data base. It contains by defect a line «admin:admin» (username:password) that you must **absolutely** change. According to shelteres the password must be in light or encrypted.

For crypter your passwords under Unix, use the order :

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htpasswd -c passwdfile username
passwdfile represents the complete path of the file of the passwords.
username is the name of user.
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For crypter your passwords under Windows, use the program «*htpasswd.exe*», which you can download with the address: <http://perl-zone.ovh.org/cours/htaccess.html>, with the same syntax.

Do not modify the file «*ancetres/gardien/.htaccess*» which prohibits to display the file «*vip.txt*» from a navigator.

File «*ancetres/admin/.htaccess*»

This file establishes a protection of access to the administration reserved to the authorized users.

5c) Data files

The injection of informations in the data base requires three textual files placed in the directory «*ancetres/admin*».

They are organized in lines of several fields separated by a character semicolon «;». A line starting with the character sharp «#» will be regarded as a comment. If information is unknown, the corresponding field must be present and empty.

The fields of the date type must be with format «YYYY-MM-DD» (Year-Month-Day); if the date is only partially known, the missing parts are replaced by zeros (example: «1920-00-00»).

File «individus.txt»

It contains a line of the following form by ancestor :

Sosa;First names;Surname;Date of birth;Birthplace;Date of death;Place of death;Occupation;Photography;

In the case of an ancestor appearing several times in the family tree (implexe), create only one line with its smaller number sosa.

File «unions.txt»

It contains a line of the following form by marriage :

Sosa1;Sosa2;Date of marriage;Place of marriage;

If no information is known concerning the marriage of a couple, it is not necessary to put it in this file : script will find the couple nevertheless.

File «implexe.txt»

It contains a line of the following form for each individual source of implexe :

Equivalent sosa;Principal sosa;

Script will find equivalences of sosa for all the known ancestors of the individual source of implexe. For a double implexe (couple of common ancestors), it is necessary to put a line by member of the couple. If your genealogy does not comprise a implexe, this file will be empty but must be present. The distribution of script contains an example of these three files with implexe and photographs, which it will be necessary to replace by yours.

5d) Creation and administration of the data base

The creation of the data base and the injection of informations are carried out semi-automatically by script «ancetres/admin/index.php». The directory of administration of the base is protected by a username and a password. At the first use, launch this script and use the sub-menu «Initialization» to create the base, then the sub-menu «Injection» to inject the data in the base starting from the files described in the chapter 5c. Script will indicate possibly the lines in error of these files (an incorrect number of fields) but does not make any consistency check between the data which they contain.

To modify the data base, modify the files necessary and again inject the data in the base.

6) FAQ

6a) *How to add a new language*

If you wish to add a new language for script (for example German)

Modify the parameter \$LanguesScript in the file «ancetres/sys/cfg/cfg.php»
\$LanguesScript=array("de","es","en","fr");

Add in the directory «ancetres/sys/cfg» a file «de.php» on the model of «en.php» with all wording translated into German.

Create an image with format GIF, «de.gif» representing the German flag with a size of 24 x 18 pixels, and place to it in the directory «ancetres/pub».

Add a line in the file «ancetres/pub/menu.php», after the equivalent lines, of the form:
