**Facts Description**

The Facts functionality enables you to check how many instances of one of the three most common facts in a person’s life were recorded around a certain year for a specific location.

The goal of this feature is to display if some global events could have affected the number of birth, marriages or death occurrences, for the populations that went through wars, epidemics and important political decisions.

You can search for Births, Marriages and Deaths occurrences on a certain place and around a given year.

**Facts How to use**

This feature is pretty straight forward to use.

The first ting to be done is select the fact type that you want to search for. Births (by default), Marriages or Deaths.

Secondly, introduce the place where do you want the facts to be checked upon. We encourage you to introduce a country on this field.

Finally, introduce the centre year, in a four year format, of the period that you want to explore and click the search button. The system will add and subtract five years to the introduced one and create an eleven year interval.

As an example, if we asked the system for Marriages on United States around the year 1942, it would explore the number of persons that got married on United States for each year, during the time interval 1937 – 1947.

**Surnames Decription**

The surname functionality enables you to check how many instances of a given surname are registered on a set of countries in a specific set of years.

The goal of this feature is to understand how a surname expanded over the years on a set of different countries or continents. With this simple tool we aim to find were the ancestors of a given surname might have come from and how many different ethnicities have instances of that surname.

We do notice that this tool is far from solving the two questions on the above paragraph, but this feature is just a prototype of what could actually be implemented and might result helpful when trying to understand how global the world actually is.

**Surnames: How to use**

To use this feature you just need to input some basic data. Each field has the following meaning:

Surname: Mandatory field. It defines the surname for which the search will be performed.

Year: Mandatory field. It tells the system for which year, in a four digits format, it has to perform the search. It also represents the first year of the time interval to be considered in case that the Range parameter is also introduced.

Range: Optional Field. If specified, in a four digits format, it tells the system which is the last year to consider on the range: Year – Range.

Interval: Numeric. It is required if the Range field is not empty. It tells the system after how many years a new picture of the surname instances should be taken.

Countries: The selected check boxes over the different continents will set the list of countries in which the surname search will be launched.

The duration of the operation might be in the scale of: 2 X num\_countries X num\_years (seconds), so try to keep both parameters in a low number of instances.

As an example, if we searched for the surname Smith with the parameter year: 1900, the range parameter: 2000, using as interval: 20 and as selected countries: United States, United Kingdom and Canada, the system would perform a search that would display the number of persons, having Smith as a surname, found on each country over the years 1900, 1920, 1940, 1960, 1980 and 2000. And the operation might take up to: 2 X 3 X 6 (36 seconds).

**Search person functionality**

This functionality enables you to search over all the available person instances included on the FamilyTree model from FamilySearch.

The goal of this functionality is to expose how the person’s search functionality works, which parameters can be used to filter the results and what data is easily accessed from the search response.

This functionality though, is not trying to expose all the accessible data through the response. If we were to print everything, for all the relatives of a given person, the load of information to be displayed would interfere with the main purpose of the tool, which is to clearly expose the main data related to the Person FamilySearch resource.

Additionally, this functionality features the search over the family tree as an exploration tool. Therefore, it only allows you to check the details of a person returned by the search functionality.

**Search: How to use**

The first part of this functionality consists of a form to configure the Person’s search. The following fields can be introduced:

Gender: Parameter only available for the Main Person being searched, tells the system the gender of the person being searched.

Exact Names Input: FamilySearch features the option of accepting similar names to the ones introduced in case that we don’t exactly recall how the name/surnames of an ancestor or person of interest were spelled. If the 'Exact' option is selected, the search will look for exact matches for the Name & Surnames fields. On the other hand, the 'Similar' option will allow the inclusion of non exact matches for Name & Surnames fields.

Name: The given name of the person.

Surname: The surname of the person.

Birth Place: Geographical place where the person was borne.

Marriage Place: Geographical place where the person got married.

Death Place: Geographical place where the person died.

Birth Date: Date in which the searched person was born.

Marriage Date: Date in which the searched person got married.

Death Date: Date in which the searched person died.

You can also include all these fields for the main relatives of the person being searched. The accepted relatives are: Spouse, Father and Mother.

Once the search finishes (at least one form parameter should be introduced in order to properly launch a search), a list of fifteen results will appear on your screen. You can browse through that list or select one of the returned persons to check if detailed information for that person is available.