**Names popularity**

This functionality aims to compare and check how popular names were around a certain period of time and location.

The Names functionality could for example study how many instances of a given group of names were found around a ten year interval for a specific location. Then, the user could compare name by name, the popularity of each one.

Another investigation that this feature could address, is to study if a name saw its popularity increased after certain historical events related to well known persons.

Finally, this feature could also be further expanded, with the search popularity comparison done on multiple countries, localizing the names to the searched country.

**Catalan web portal**

The main idea of this functionality is to create a web portal in Catalan, that could help users browse the FamilySearch data in that language.

The project does not only consist on offering a website in Catalan, but also to localize the language of the returned attributes and genealogical data, to Catalan. For example, instead of using the word ‘deceased’, the website could use the term ‘difunt’.

The project could also be expanded limiting the search to the Catalan region, with the possbiility of overriding that restriction.

Of course this project can be adapted to any language and it would be equally interesting.

**Surame geolocalization**

This functionality aims to improve the implemented surname geolocalization feature of this project.

The implemented funcionality only allows the user to check the surname presence or expansion over a group of countries while it could be interesting to offer the same functionality at State level, continent level, etcetera, etcetera.

This project suggests a functionality taht allowed the user to roll-up or roll-down the location level being searched, and offered the surname presence picture at all those different levels.

**Genealogy and Heraldy**

This project proposal aims to reunite two sciences that walked hand by hand on its origins.

The main idea behind this project would be to aquire and collect a huge number, of coat of arms and family names pictures, and print them along specific persons data.

This project could simply store all the downloaded pictures together or even offer an API to get those coat of arms and family names pictures, on a more organized way.

**Indexing projects**

This project could actually be divided into two and they are not actually focus on the interaction with the API.

Since these project ideas are mainly designed for computer engineering stuents, I thought it was a good idea to offer some projects that could actually benefit the indexing part of the organization.

The first idea could be to implement a visual recognition feature that parsed some structured genealogical registers (computer / typewriter), and tried to create its digital equivelent. For that, the interested person would need to find some registers that fit that need.

The second idea goes around the indexing of those old hand written genealogical registers. The idea here is to create a visual recognition application that could provide advise about the possible written words on the current indexing platform developed by FamilySearch.

**The SJDS**

This idea came along while studying the origins of the FamilySearch platform.

The idea consists on trying to draw some correlations between the church origins and main emplacements, and the data gathered by the FamilySearch organization.

Does the stored data mainly relate to those rich historical places for the SDJS? Can this places be deducted based on the ammounts of data of the different locations? Could we understand the current places where the church is more active whorlwide, based on an extraplotion of the modern registers?

The questions above are just some examples of what this functionality could try to explore.

**Surnames diversity**

In a similar way than the surnames expansion functionality, this feature aims to study how much of different races or ethnicities exist for a given surname.

This idea was inspired by the marketing campaign of Momondo that can be found on this yotuube link: <https://www.youtube.com/watch?v=tyaEQEmt5ls>

The main challange of the project is to find a smart way of extrapolating the influence of different regions over a surname and maybe even give the evolution of that influence over time.

This project could actually be an ad-hoc in deep analysis of some surnames and does not have to be a real time functionality if the developer feels it could be too complicated.

**Collections list**

The idea of this functionality it is to create a smart search feature, that given a country and period of time, it would list all the available collections that contain data for the inputed search criteria.

The application could actually list the name of the collections, the number of registers that they cover, how many of the available registers on the collections can be found through FamilySearch, how many are pending to be indexed, etcetera.

This functionality aims to solve one of the hardest to answer questions related to FamilySearch, without having to explore thousands of person results. That question is: Is it likely that the information I’m looking for is contained in FamilySearch?

**WW2: Births and deaths**

Over time the world has gone through different events that have shaped the world population. One of this events, has been the second world war.

The goal of this project is to study how natality and mortality ratios changed over the main involved countries when the war began. In order to give context to this study it would be good to widen up the window of time to more than the war years.

Another exercise that can be conducted related to this proposal is to study how well this natality and mortality ratios actually reflect the impact suffered per each country.

**WW2: Marriages**

Randal S. Olson conducted a study that demonstrated that the when United States started being involved in WW2 a huge increase on the number of marriages followed it up.

The study can be found on the following link: http://www.randalolson.com/2015/06/15/144-years-of-marriage-and-divorce-in-1-chart/

This functionality aims to reproduce the study conducted by Randal and compare how close FamilySearch data is to the data used by Randal an in case of deviation, study why that deviation exists.

An expansion of this project could be to study if this effect also appeared on other countries different than the United States and try to understand the causes that might have caused differences over the countries.

**WW2: Schindler’s list**

This project is a little different than the previous ones but it got to me when I found the emigration certificate of Wladyslaw Szpilman, also known as ‘The Pianist’, on FamilySearch.

The idea of this project is to study the story of the jews collective through the surnames of those persons that are known nowadays as the Schindler’s List.

The project could try to study things like how the number of persons found by those surnames changed over time, where did they go or emigrate, what trace of genealogical documents has been left behind, etcetera.

**The great depression**

This project is another example of a big historical event that could be studied through the genealogical data. Of course, any other event that had a global impact, could be studied in a similar way.

This functionality or ad-hoc analysis could study how the United States populations changed or suffered through the great depression. Did mortaility increase? Did people tried to leave the country? Is there a particular increase reason of defunctions?

This are just a sample of questions that this project could try to study, but there are plenty moret han people could come with. As for example, study the effect on different big cities of the United States and compare the effects.

**Social Media**

This project is about creating a platform that interacts both with the FamilySearch API and one or some of the most well known social media websites like Facebook or Twitter.

The idea of this project is to provide funny comparison tools around a Person and its friends. For example, who has the most typical name? Who is most likely to have ascendancy in a specific country?

This platform could offer tools to filter the friends or followers that we want to consider for our operations and enable them to publish the results on their Facebook wall or Twitter timeline.

**FS vs Reality**

This project, more than being a specific project is actually a collection of ideas. This website represents a project that was not able to explore fully in deep the potentiality of the FamilySearch API. These ideas, aim to help on the further study of this API.

The idea here would be to study some genealogical data from official sources, like childhood mortality of a country over the years, average of children per family, average age of a country, etcetera. And contrast it with the same data in the FamilySearch API.

The goal of this projects would be to understand how well the FamilySearch represents the reality both in countries with a huge number of registers and in countries with lower numbers.

**Genealogies**

This project consits on the study of the accessible Genealogies resource from FamilySearch.

The main idea is to study how Genealogies evolved over the years. How many generations are usually linked? What kind of information is more likely to be stored? Is people losing the tradition of maintaining family trees?

These are just a few sample questions of what could be done with genealogies, but any other related topic that could be explored would be welcome.

**Duplicates**

This project is based on the duplication algorithm created by FamilySearch.

The main idea would be to search for persons and their duplicates and try to understand the most common causes of why they are marked as duplicates. Is it a lack of overall information? A common match on name and surnames?

The goal of this project would be to understand the duplicity rules created by FamilySearch, understand how good they are and try to come up with some possible solutions that could improve the duplications algorithms, in case that this is possible.