

1. Introduction

A few years ago, the USI Social Media Board decided to use the major social networks to communicate facts and on events related to the university.

For this purpose, a series of official USI profiles were created (Facebook, Twitter, LinkedIn, and YouTube). The project intends to implement a web application to create a visual aggregation of all relevant content available on the major social channels with the use of hashtags or keywords. The interface will allow the choice of various kinds of layouts and the possibility to integrate the result on web pages. The user can then view on his/her device all posts, photos and videos related to what is being searched and further restrict such content with filters.

2. Must / should / nice

MUST HAVE

- Appealing team name
- Modular implementation: core + main social channel plug-ins (FB, TW, YT)
- A platform that allows to set parameters in order to filter the social data:
 - Choice of social channel(s)
 - Hashtag(s)
 - Number of items
 - Time window
- A platform that provides an API (JSON) for the data based on user parameters
- Store data in a DB vs. live fetching?
- API documentation

SHOULD HAVE

- API provides “like”, “comment” URLs
- Extra parameters:
 - Filter by profile/account name
 - Sort order
 - Most liked
 - By date
 - ... any ideas?
- Project documentation

NICE TO HAVE

- User profile to manage the streaming profiles (save parameter/characteristics)
- Alternative API outputs: XML/RSS

3. Testing

To help you testing the system we will build a page on our platforms, in which we will display the result of some testing calls like:

- ?channels[]=twitter&hashtags[]=usineWS
- ?channels[]=twitter&channels[]=facebook&hashtags[]=bigdata
- ?channels[]=twitter&twitter_profiles[]=pautasso&hashtags[]=atelier3&items=5&sort=most_liked

Enjoy 😊