

# DD2476 Search Engines and Information Retrieval Systems

## Project 1: Social Network Fact Receiver

Contact: Simon Stenström, Findwise ([simon.stenstrom@findwise.se](mailto:simon.stenstrom@findwise.se), 073-616 35 34, Sveavägen 28-30 (Hötorget))

*This project is worth 3 ECTS credits. This means that it is expected to require 80 hours of work for each person in the group. The project formulation, method, and results are presented in a report as well as in a poster session. For more details, look at the course homepage, under Project in the menu.*

### Problem

People are adding more and more information to their social profiles online, and sometimes without even realizing what is out there. This project aims to visualize that by collecting information from for example facebook, twitter and linkedin given only a name. What information is out there about you?

### Assignment

- Given a name, find a profile.
- Collect all open data from the profile and try to figure out other social media accounts from there
- Merge data from different sources.
- You could, try to validate that the accounts belongs to the same person by comparing the collected data from different sources (for example if the name and a number of friends match, it is probably the same person).
- Present the result on a web page.

The project can easily be expanded with more interesting features such as object or location identification on pictures, guessing political belongings from comments etc.

There are APIs that can be used for many social networks to extract the data. For API information, visit the different sites, for example:

- <https://developers.facebook.com/>
- <https://dev.twitter.com/>
- <https://developer.linkedin.com/>
- <https://www.instagram.com/developer/>

They can also be accessed through Java with the Spring Social framework:

- <http://projects.spring.io/spring-social/>

If you want more challenges or if you want to change something we are always open for suggestions!

## **About Findwise**

Findwise is a growing IT consultancy company, founded in 2005 by a team of experts from the enterprise search industry. The company currently employs about 100 people and has offices in Stockholm, Gothenburg, Copenhagen and Warsaw.

We aim to add business value for organizations where information is a priority by helping them to access, manage and use information. Findability by Findwise is all about creating search solutions that maximize business value gained from search technology investments. We create search solutions for intranets, web, e commerce and applications and make sure these are implemented to support and strengthen your business processes and help your organization reach business goals. We offer consulting and implementation of all leading platforms including Autonomy IDOL, Microsoft FAST ESP, Google GSA and the open source search engines Apache Solr and Elastic Search.

Findwise is fully customer-oriented. At the same time, our ambition is to be the best workplace in the industry, capable of attracting and retaining the best talents.