JANZZ.technology

JANZZ SME Matching
API Documentation

Header for accessing the API

You need a header called "Authorization" with the contents "Token
480713dc16970b8f29af174b1b09c476132360e036fd8423e9cf22680f44ac6230394074899de501"

E.g. if you want to do this in JS with jquery:

```
  $(document).ajaxSend(function(e, xhr, settings) {

    xhr.setRequestHeader('Authorization', 'Token
480713dc16970b8f29af174b1b09c476132360e036fd8423e9cf22680f44ac6230394074899de501');

  });
```

Creating, adapting and listing JANZZs
Note: „JANZZ" refers to a profile that can be matched. It can be a candidate or a job vacancy profile. It can have the full set of possible criteria or just a few.

List JANZZs on my account, access them by auto-generated JANZZ ID.
https://www.janzz.jobs/japi/janzz
https://www.janzz.jobs/japi/janzz/12345

List JANZZs on my account, access them by custom internal-ID, rather than auto-generated JANZZ ID.
https://www.janzz.jobs/japi/janzz_internal
https://www.janzz.jobs/japi/janzz_internal/123

To create a new JANZZ: POST to either (keep the id empty in the JSON) https://www.janzz.jobs/japi/janzz
or https://www.janzz.jobs/japi/janzz_internal

To modify an existing JANZZ: PUT to either
https://www.janzz.jobs/japi/janzz_internal/123
or
https://www.janzz.jobs/japi/janzz/12345

The format of a JANZZ

The JANZZ contents has the following format:

```
{
    "id": 7197,
    "internal_id": "123",
    "description": "the description of the JANZZ",
    "janzz_type": 11,
    "title": "test",
    "language_captured": "en",
    "match_factor": 10,
    "occupation": "Engineer",
    "occupation_list": [],
    "specialization_list": [
        "printed circuit technology",
        "Multimedia"
    ],
    "function_list": [
        "Junior Developer"
    ],
    "skill_list": [
        {
            "skill": "Soil and plants",
            "level": 3
        },
        {
            "skill": "Gardening",
            "level": 3
        }
    ],
    "softskill_list": [
        {
            "skill": "Self motivation",
            "level": 3
        }
    ],
    "contract_type_list": [
        "Full-time"
    ],
    "language_list": [
        {
            "proficiency": 1,
            "name": "English",
            "proficiency2": 1
        },
        {
            "proficiency": 3,
            "name": "French",
            "proficiency2": 4
```

```
      }
    ],
    "industry_list": [],
    "location_list": [
      {
        "lat": 46.227638,
        "r": 0.0,
        "name": "France",
        "cc": "fr",
        "type": "country",
        "lon": 2.213749
      },
      {
        "lat": 47.424482,
        "r": 30.0,
        "name": "St Gallen, Switzerland",
        "cc": "ch",
        "type": "locality",
        "lon": 9.376717
      }
    ],
    "education_list": [
      "Bachelor's degree/University primary qualification",
      "Master's degree"
    ],
    "experience_list": [],
    "keyword_list": []
}
```

Description of the fields:

"id": 7197 - Assigned by JANZZ, used in the URL to access JANZZ

"internal_id": "123" - Assigned externally, can be used in the URL to access JANZZ

"description": "the description of the JANZZ"

"janzz_type": 11 - 10 = candidate profile, 11 job offer

"title": "test" - the title of the janzz

"language_captured": "en" - the language of the janzz, certain fields like contract type, education, language must be in this language

"match_factor": 10 - don't show results lower than 10%

"occupation": "Engineer" - the occupation - most important field in the janzz

```
"occupation_list": [] - not used at the moment, possibility to have multiple occupations

"specialization_list": [
      "printed circuit technology",
      "Multimedia"
   ] - list of terms in the specialization branch

"function_list": [
      "Junior Developer"
   ] - list of terms in the function branch

"skill_list": [
      {
         "skill": "Soil and plants", - term from skills branch
         "level": 3 - level from 1(beginner) to 5(expert)
      },
      {
         "skill": "Gardening",
         "level": 3
      }
   ]

"softskill_list": [
      {
         "skill": "Self motivation", - term from soft skills branch
         "level": 3 - level from 1(beginner) to 5(expert)
      }
   ]

"contract_type_list": [
      "Full-time" - term from contract types branch
   ]

  "language_list": [
      {
         "proficiency": 1, - oral proficiency
         "name": "English", - name of language, must be in the language of the janzz
         "proficiency2": 1 - written proficiency
      },
      {
         "proficiency": 3,
         "name": "French",
         "proficiency2": 4
      }
   ],

   "industry_list": [],  - list of terms from the industries branch, must be in language of the janzz
```

```
"location_list": [
  {
    "lat": 47.424482,  - latitude
    "r": 30.0,  - radius in km
    "name": "St Gallen, Switzerland",  - name of location
    "cc": "ch",  - country code
    "type": "locality",  - one of locality, country
    "lon": 9.376717  - longitude
  }
],

"education_list": [
  "Bachelor's degree/University primary qualification", - degree level, must be in language of janzz
  "Master's degree"
],

"experience_list": [], - not used in api

"keyword_list": [] - can be used to filter results by tags/keywords, either having or not having certain tags
```

Typeaheads

Typeaheads to put in the various fields:
"occupation":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=occupation&q=Projekt%20Manager
"specialization_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=specialization&q=Multimedia
"function_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=function&q=Junior%20developer
"skill_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=skill&q=schema
"softskill_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=softskill&q=motivation
"contract_type_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=contract_type&q=*
"language_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=language&q=engl
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=language&q=*
"industry_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=industry&q=aero
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=industry&q=*
"education_list":
https://www.janzz.jobs/japi/concepts?search_lang=all&output_lang=en&branch=education&q=*

The following need to match labels exactly as in the concept graph for
the JANZZ to work:
contract_type_list
language_list
education_list
industry_list

Matching

Matching:

https://www.janzz.jobs/japi/janzz_search/7010

or

https://www.janzz.jobs/japi/janzz_search_internal/[internal_id]

returns:
```
{
   "results": [{
      "id": 7012,
      "internal_id": null,
      "janzz_type": 10,
      "title": "EN-DE-ES>IT Translator seeking opportunities",
      "language_captured": "en",
      "score": 66
   }, {
      "id": 7036,
      "internal_id": null,
      "janzz_type": 10,
      "title": "Lawyer - Business owner",
      "language_captured": "en",
      "score": 56
   },
   .....
```

To get an explanation of the score:

https://www.janzz.jobs/japi/match_explain/?janzz1=7010&janzz2=7012

returns:
```
{
   // which concepts matched and with which correlation
   "concepts_matched": [{
      "c2name": "Technical translation",
      "c2id": 261676,
      "cor": 0.8,
      "c1id": 42330,
      "c1name": "Translation"
   }, {
      "c2name": "Medical interpretation",
      "c2id": 169479,
      "cor": 0.64,
      "c1id": 42330,
      "c1name": "Translation"
   }
   ...
   ],
```

```
  // which concepts in my janzz were not matched
  "j1_not_matched": [{
    "name": "French",
    "id": 138
  }
  …
  ],

  // which concepts in my the other janzz were not matched
  "j2_not_matched": [{
    "name": "Spanish",
    "id": 146
  }, {
    "name": "Customer Care",
    "id": 2563
  }
  …
  ],
}
```

Classification of job titles

To find the best-fit occupation given a job title (in your case, the last entry in "profile_positions_title"), we use the classifier. Currently the classifier is running at the following URL (only English at the moment):

http://jclassifier.kwe.li

In your case, only the entry field "Job Title" would be relevant. Enter any given position title and click "senden". The occupation to which the "input job title" is mapped is the "cid" with the highest score (between 0 and 1.0).

An example query for this would be:
http://jclassifier.kwe.li/classify/?want_codes=cid&q=accounting+expert
or for testing...
http://jclassifier.kwe.li/classify/?want_codes=cid&q=accounting+expert&output=html

username: testsumma
password: janzztest$$2017