<u>Documentation on Search Results and what we get out of the APIs</u>

On the following pages you will find sample search results from udacity and edX with the corresponding JSON data fetched from the the respective Course Catalog API.
As you'll probably notice, one API offers different data than another and they offer a lot more data than we want to display for one course as a search result in our portal.

That's why we need to agree on certain fields between courses of all different Moocs, in order for each course displayed as a result in our search portal to look the same, so that the user gets the same information about Course A from MOOC ABC than about Course X from MOOC XYZ. The fields that we use for our search results should be provided by almost any MOOC, so we can ensure consistency between results from different MOOCs.
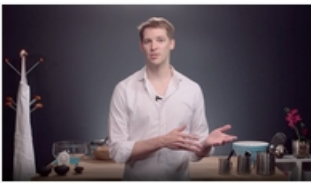
fields required at the least are:

- name : pretty straight forward, more or less the same across all MOOCs

- difficulty/skill level : could be a problem if MOOC A distinguishes between 3 skill levels and MOOC B between 5

Fields required for better user experience:
 - image url
 - short summary of the course

In the end most of it is going to be up to the design team. They decide on what to display and what not to display.

Asynchronous JavaScript Requests NEW ■■□ Intermediate

Learn how to asynchronously request data in your web applications with Ajax.

840

```json
{
    "instructors": [
        {
            "bio": "As an avid programmer and learner, Richard Kalehoff began teaching and found his passion. He enjoys the best of both worlds as he works as a Course Developer at Udacity. After earning...",
            "image": "https://lh3.googleusercontent.com/5Hqpv5qe5wmdyP7wQdnUg6MIuK2mPKrBQReUa5nvqotkBqQnNAAFnf5At_b_P5cZPFUxFghOkvIc2ybRmPA=s0#w=500&h=500",
            "name": "Richard Kalehoff"
        }
    ],
    "subtitle": "Fetch Data Asynchronously",
    "key": "ud109",
    "image": "https://lh3.googleusercontent.com/h_7AQcoVTkMbJ3CN3m1eRnzB37OLz7t5RzYh3_W02nUP2sFDbVJH4-BO4xhdadPx3mCELU2ZoPBp6lE1gpk=s0#w=1702&h=958",
    "expected_learning": "Retrieving data asynchronously is now the norm with apps like Twitter, Facebook, and Google sending and retrieving mountains of data without having to stop and wait for processes to finish or to reload the page. Create smooth, modern web applications by using Ajax techniques to retrieve data asynchronously.",
    "featured": false,
    "project_name": "",
    "teaser_video": {
        "youtube_url": ""
    },
    "title": "Asynchronous JavaScript Requests",
    "related_degree_keys": [],
    "required_knowledge": "This course is ideal for students with intermediate level knowledge of JavaScript. You should have experience working with JavaScript's Object Oriented (prototypal inheritance) capabilities and using native JavaScript Promises. To brush up on these skills, check out these courses:\n \n* [Object Oriented JavaScript](https://www.udacity.com/course/object-oriented-javascript--ud015)\n* [Promises](https://www.udacity.com/course/javascript-promises--ud898)",
    "syllabus": "This course covers everything a developer needs to know to asynchronously send and receive data in their web applications. You'll dive into how asynchronous requests work by using the XHR object to create and send asynchronous requests. Then, you'll see how you can perform async requests more easily using the third-party library, jQuery, with its `$.ajax()` method. And you'll learn the cutting edge way to make asynchronous requests using the new Fetch API.\n\n## Lesson 1: Ajax with XHR\n* Learn why you should use asynchronous data requests\n* Use the XHR (XMLHTTPRequest) object to send and receive data asynchronously\n\n## Lesson 2: Ajax with jQuery\n* Compare using XHR with using a third-party library like jQuery's Ajax\n* Send and receive data using jQuery's Ajax methods\n* Learn how jQuery's Ajax works under the hood\n\n## Lesson 3: Ajax with Fetch\n* Use JavaScript promises to create a fetch request and handle the data asynchronously\n* Learn how to handle errors for failed requests",
    "new_release": true,
    "homepage": "https://www.udacity.com/course/asynchronous-javascript-requests--ud109?utm_medium=referral&utm_campaign=api",
    "project_description": "",
    "full_course_available": false,
    "faq": "",
    "affiliates": [],
    "tracks": [],
    "banner_image": "",
    "short_summary": "Learn how to asynchronously request data in your web applications with Ajax.",
    "slug": "asynchronous-javascript-requests--ud109",
    "starter": false,
    "level": "intermediate",
    "expected_duration_unit": "weeks",
    "summary": "This course covers everything a developer needs to know to asynchronously send and receive data in their web applications. You'll dive into how asynchronous requests work by using the XHR object to create and send asynchronous requests for image and news article data. Then, you'll see how you can perform async requests more easily using third-party libraries and APIs like jQuery's Ajax and the Fetch API.",
    "expected_duration": 3
}
```

```
{
    "blocks_url": "https://courses.edx.org/api/courses/v1/blocks/?course_id=course-v1%3AKyotoUx%2B000x%2B3T2017",
    "effort": null,
    "end": "2018-09-13T23:30:00Z",
    "enrollment_start": null,
    "enrollment_end": null,
    "id": "course-v1:KyotoUx+000x+3T2017",
    "media": {
      "course_image": {
        "uri": "/asset-v1:KyotoUx+000x+3T2017+type@asset+block@000x-course_imagec-378x225.jpg"
      },
      "course_video": {
        "uri": null
      },
      "image": {                                          1
        "raw": "https://prod-edxapp.edx-cdn.org/asset-v1:KyotoUx+000x+3T2017+type@asset+block@000x-course_imagec-378x225.jpg",
        "small": "https://prod-edxapp.edx-cdn.org/asset-v1:KyotoUx+000x+3T2017+type@thumbnail+block@000x-course_imagec-378x225-375x200.jpg",
        "large": "https://prod-edxapp.edx-cdn.org/asset-v1:KyotoUx+000x+3T2017+type@thumbnail+block@000x-course_imagec-378x225-750x400.jpg"
      }
    },
    "name": "Evolution of the Human Sociality: A Quest for the Origin of Our Social Behavior",     2
    "number": "000x",
    "org": "KyotoUx",                                     3
    "short_description": "",
    "start": "2017-11-09T06:00:00Z",
    "start_display": "Nov. 9, 2017",                      4
    "start_type": "timestamp",
    "pacing": "self",                                     5
    "mobile_available": true,
    "hidden": false,
    "invitation_only": false,
    "course_id": "course-v1:KyotoUx+000x+3T2017"
  }
```