CMR Autocomplete Usage

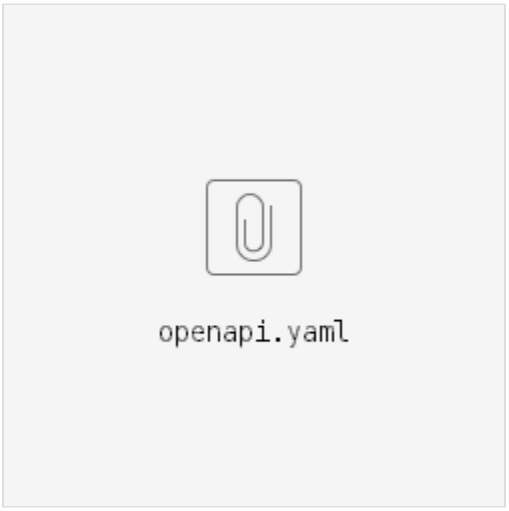
Autocomplete API

CMR-6157 - Jira project doesn't exist or you don't have permission to view it.

The CMR autocomplete API will provide autocomplete suggestions via a RESTful call to an AWS Lambda.

A secondary implementation will use WebSockets. The WebSocket implementation is a stretch goal.
If the WebSocket implementation is completed, the data format for the responses will share the same response schema as the RESTful implementation.

OpenAPI 3.0



View with https://editor.swagger.io/ or using Docker with

```
docker container run --rm -p 80:8080
swaggerapi/swagger-editor
```

/search/autocomplete

Query with a term

Fetch autocomplete suggestions from all available facets

```
curl -XGET https://.../autocomplete?q=ex
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
CMR-Hits: 4
CMR-Took: 382

{
  "feed": {
    "entry": [
      {
        "type": "platform",
        "value": "EXOS-A",
        "score": 3.17234
      },
      {
        "type": "instrument",
        "value": "EXRAD",
        "score": 2.36234
      },
      {
        "type": "platform",
        "value": "EXPLORER-9",
        "score": 0.15234
      },
      {
        "type": "provider",
        "value": "PURDUE/EXTENSION",
        "score": 0.12323
      }
    ]
  }
}
```

Query with type filter

Only return suggestions from the supplied type

```
curl -XGET https://.../autocomplete?q=ice&type[]=instrument
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
CMR-Hits: 1
CMR-Took: 440

{
  "feed": {
    "entry": [
      {
        "type": "instrument",
        "value": "ICE AUGER",
        "score": 0.281
      }
    ]
  }
}
```

Query with multiple types

Multiple types may be specified. The order of types provided may not reflect order returned in results array. Only valid facets will be used, unrecognized terms will not be included in results.

```
curl -XGET https://.../autocomplete?q=sol&type[]=platform&type[]=instrument
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
CMR-Hits: 3
CMR-Took: 166

{
  "feed": {
    "entry": [
      {
        "type": "platform",
        "value": "SOLAR-A",
        "score": 0.28234
      },
      {
        "type": "platform",
        "value": "SOLSAT",
        "score": 0.281
      },
      {
        "type": "instrument",
        "value": "SOLARIZER",
        "score": 0.263
      }
    ]
  }
}
```

Query with no results

```
curl -XGET https://.../autocomplete?q=foo
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
CMR-Hits: 0
CMR-Took: 122

{
  "feed": {
    "entry": []
  }
}
```