[ICHM-11] API Search Airport Endpoint

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Status:	Done
Project:	ITSchool - Claudia Hent Momondo

Type:	Story	**Priority:**	Highest
Reporter:	Claudia Hent	**Assignee:**	Claudia Hent
Resolution:	Done	**Votes:**	0
Labels:	None		
Original Estimate:	Not Specified		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Agile

Sprint:	ICHM Sprint 1
Story point estimate:	3

Description

To ensure the functionality of the search widget, for selecting departure and/or destination airport, there is a need for an API endpoint that will search on the database for the matching airports.

API Endpoint URL: https://www.momondo.com/mvm/smartyv2/search

HTTP Method: POST or GET

Request payload parameters:

- s (shortcut from search scope) will have airportonly value

- where is the searched value (it can be airport name or city name)

- lc_cc is ISO 3166 – Alpha 2 country code (e.g. RO or US)

- lc is the locale of the response – default is en

All the request parameters are mandatory.

The response should be a JSON containing a list of found airports (maximum 6), each airport with the following structure:

```
[
    {
        "id": "OTP",
        "displayname": "Otopeni Intl, Bucharest, Romania, (OTP)",
        "loctype": "ap",
        "cid": 201,
        "rid": 2486,
        "ctid": 25578,
        "lat": 44.57216,
        "lng": 26.10218,
        "cc": "RO",
        "country": "Romania",
        "rc": "BU",
        "cityname": "Bucharest, Romania",
        "timezone": "Europe/Bucharest",
        "utc": "+03:00",
        "airportname": "Otopeni Intl",
        "ap": "OTP",
```

```
        "apicode": "OTP",
        "cityonly": "Bucharest",
        "destination_images": {
            "image_jpeg": "https://content.r9cdn.net/rimg/dimg/02/2a/38330eba-
city-25578-17f66347d06.jpg?width=128&height=128&xhint=1474&yhint=1447&outputtype=JPEG&crop=true",
            "image_webp": "https://content.r9cdn.net/rimg/dimg/02/2a/38330eba-
city-25578-17f66347d06.jpg?width=128&height=128&xhint=1474&yhint=1447&outputtype=WEBP&crop=true"
        },
        "displayType": {
            "type": "airport",
            "displayName": "Airport"
        },
        "entityKey": "place:Henri_Coanda_International_Airport",
        "indexId": "178682",
        "isMetroOnly": false,
        "kayakId": "OTP",
        "kayakType": "ap",
        "locationname": "Bucharest, Romania",
        "name": "Otopeni Intl",
        "objectID": "P190062",
        "placeID": "178682",
        "ptid": "AOTP",
        "region": "Bucuresti",
        "searchFormPrimary": "OTP",
        "searchFormSecondary": "Bucharest, Romania",
        "secondary": "Bucharest, Romania",
        "shortdisplayname": "Bucharest, Romania (OTP)",
        "smartyDisplay": "Otopeni Intl, Bucharest, Romania, (OTP)"
    }
]
```

If no results are found, the JSON will be empty:

```
[]
```

Based on the results, the destination or departure text box results from the search widget are populated and the user can select the needed airport.

Acceptance Criteria:

- API Endpoint `POST` or `GET` requests always return HTTP Code `200` (Success) regardless of whether there are any matching records.
- The JSON response is well-formatted.
- The JSON response is always containing all fields from specifications.
- The number of results is capped to a maximum of 6.
- Other HTTP methods (e.g. `PATCH`, `DELETE`) will return `401` (Unauthorized).

Links			
Blocks			
blocks	~~ICHM-2~~	Search Flights Widget	Done
Web Link			
mentioned in	Page	https://hent.atlassian.net/wiki/pages/viewpage.action?pageId=2359316	
mentioned in	Page	https://hent.atlassian.net/wiki/pages/viewpage.action?pageId=3604481	
mentioned in	Page	https://hent.atlassian.net/wiki/pages/viewpage.action?pageId=622600	