Airport API

The API accepts client calls in the form of URL based requests and delivers a response in the form of a JSON object containing the data being queried in the request.

The URLs must adhere to one of the following formats:

- *"/airports/[location]"*.

  This request returns information regarding a specific airport, e.g. "/airports/iasi".

- *"/airports/[location]/flights"*.

  This request returns the full flight timetable of a specific airport, e.g. "/airports/bacau/flights".

- *"/airports/[location]/flights[query]"*.

  This request returns the flight timetable of a specific airport filtered/ordered and/or paged based on the [query] parameter, e.g. "/airports/suceava/flights?day=Tuesday&departureCity=Chisinau&ordType=desc"

URL parameters:

- **[location]**.

  This parameter can take values in { iasi, suceava, bacau, chisinau }.

- **[query]**.

  Example of a query:
  "?arrivalCity=Iasi&ordParam=flightNumber&page=2&pageSize=20".

  This parameter can be omitted or it can have up to 12 components (8 for specifying the values of the airport attributes, 2 for the ordering of the result and 2 for the pagination of the results).

  The query takes the following sub-parameters:

  I. Airport attributes: **flightNumber**, **day**, **company**, **departureCity**, **departureHour**, **arrivalCity**, **arrivalHour** and **status**.

II. Ordering and pagination keywords:

1) **ordParam** – airport attribute after which the ordering will be done by; default value for the purposes or ordering will be flightNumber if omitted.

2) **ordType** – describes the ordering type, "asc" for ascending and "desc" for descending; default value for the purposes of ordering will be "asc" if omitted.

3) **page** – describes the n-th page that will be returned in the result; if it is not specified the result will contain the entire data returned by the query as one page.

4) **pageSize** – describes the size of the page that will be returned in the result; if there is no "page" keyword then "pageSize" shall be omitted.