



Semester Project – Assumptions

When planning/designing the semester project and the public contract between all "momondos" and all "airlines" you can plan/design under the following assumptions:

- Seat numbers in an airplane is given as 1 – numberOfSeats in the plane (that is, no row numbers)
- There is only one (monkey) class in the airplane, and seats are sold un-numbered (first in, best seat)
- All airports must be given as a IATA-code + time zone (see for example: <https://www.world-airport-codes.com/>). Feel free to implement an extra REST-service to provide the real name, given an IATA code, in your client GUI.
- We will not focus on money transactions, so you can only reserve seats, not buy
- TIMES are all given as start times in local time, no end time is given but flight time must be given, so end time can be calculated (given the time zone included for all airports).
- Times are formatted as ISO 8601 (http://en.wikipedia.org/wiki/ISO_8601)
- When searching for available flights only a date is given, this should find all departures for that day.
- We only handle Direct Flights
- Only one Way Flights, if you want to return, buy a ticket for the other way

What we (as a minimum) want:

- Get all flights, with free tickets, from a given airport at a given date for the requested amount of tickets.
- Get all flights with free tickets from a given departure airport to a given destination airport, for a given date, and the requested amount of tickets.

The image shows a flight search form with a teal background. It includes two input fields for 'Enter origin city' and 'Enter destination city' separated by a double-headed arrow. To the right are two date pickers showing '25 Nov 2015' and '30 Nov 2015' with a close icon. Further right is a dropdown menu for '1 Passenger'. A red circular button with the text 'Search' is on the far right.

- The ability to reserve flight seats from a provided list of options