At Wakeb, we care to deliver the most scalable, secure, reliable code and reliable solutions. Those solutions also deliver business values. The challenge below will measure your skills in understanding technical and business requirements to deliver a scalable, secure and reliable code.

Challenge details:
OurHotels is a hotel search solution that look into many providers and display results from all the available hotels, for now we are aggregate from two providers: BestHotels and TopHotel

What is required:
Implement OurHotels service that should return results from both providers (BestHotels and TopHotel), the result should be a JSON response with a valid HTTP status code of all available hotels ordered by hotel rate.

OurHotels API (the aggregator API which you are going to build):

Request:
- from_date: ISO_LOCAL_DATE
- to_date: ISO_LOCAL_DATE
- city: IATA code (AUH)
- adults_ number: integer number

Response:
- provider: name of the provider (BestHotels or TopHotels)
- hotelName: Name of the hotel
- fare: fare per night
- amenities: array of strings

Providers API details:

BestHotel API:

Request:
- fromDate ISO_LOCAL_DATE
- toDate   ISO_LOCAL_DATE
- city IATA code (AUH)
- numberOfAdults: integer number

Response:

- hotel: Name of the hotel
- hotelRate: Number from 1-5
- hotelFare: Total price rounded to 2 decimals
- roomAmenities: String of amenities separated by comma

TopHotels API:

Request:
- from ISO_INSTANT
- To ISO_INSTANT
- city: IATA code (AUH)
- adultsCount: integer number

Response:
- hotelName: Name of the hotel
- rate: String of '*' (from 1 to 5)
- price: Price of the hotel per night
- discount: discount on the room (if available).
- amenities: array of strings.

What you need to implement:
 - A solution that meet the above requirements.
 - You should consider the scalability in your solution, that means if we are going to add a new provider in the future , that should apply in a minimum changes and without effecting the current integration providers.

Additional Instructions:

Please make sure that your code:
- Documented
- Redable
- Covered by unit tests. You can also cover it by any other tests you want.
- Don't use database in your implementation, it's just calling dummy URLs(example: "localhost:8080/ CrazyHotel").
- send us GitHub URL

Good Luck ☺