al curry
<alcurry2020@gmail.com>

to daniel.fernandes

hi Daniel,

You probably know i spoke with Orsolya Imre last week and she emailed me the coding challenge. I've been working on it.

Some questions have come up though.

1. The challenge description does not mention using a database. Is it expected ?   It looks like some of the data in the "field entity JSON representation" in the pdf file do not exist in agromonitoring.com/polygons (for example, country). Without a database they would potentially be lost.

2.   Is input on the browser address bar and output on the main browser window what is expected, or at least a good way to go ?

3.   Would you recommend an IDE ?   Which do you use ?   If setting it up is somewhat fast, maybe its sensible for me to use that as well.

4.   https://github.com/AlCurry/sb-java11-demo/ contains a very rough beginning, for my own review of some of the tools, if you're inclined to take a look.

5.   Because my java and spring boot skills are rusty, progress is slower than i would like. (But there is progress at least haha). And i'd like the code to be as nice as possible. Considering that, would it be better to send you a partial solution that is hopefully better quality or hack something out that is more complete ?

Appreciate your time very much.   If writing an answer is more time, please don't hesitate to call me. The whatsapp number below is best, and definitely today i will be available between 2 and 4 pm.   But if that is not good, any response at your convenience is great.

thank you,

Al

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 Al Curry

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Tue, Aug 18, 3:00 PM

(2 days ago)

Daniel Pedro dos Santos Fernandes

to me

Hi there Al Curry,
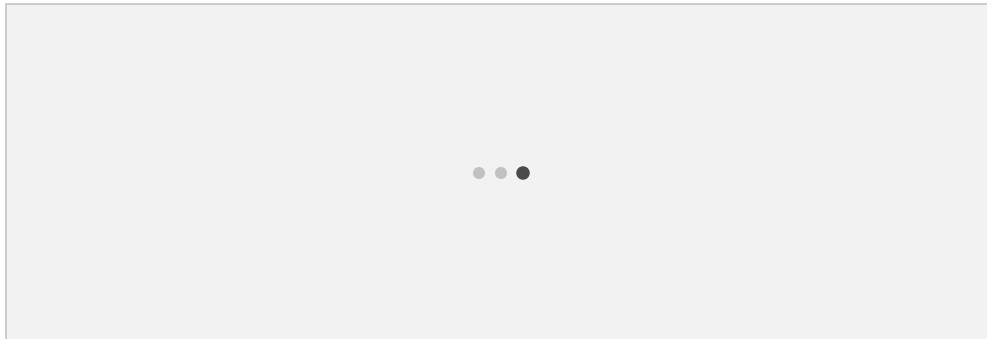
Thank you for reaching out.

> The challenge description does not mention using a database. Is it expected ?

Well, you don't have to, but if you think that you can do it, that is also ok. You can create a Service that will store the state of your application, if you don't want to use a database, although, it would be very

good if after doing the basic requirements, you could squeeze in a database integration, as it is a simple thing to do

> Is input on the browser address bar and output on the main browser window what is expected, or at least a good way to go ?

This is specified in the requirements of the first use case, like shown in the screenshot below – from the use case requirements – it is expected that you create all the CRUD operations using **/fields** endpoint, therefore, you should explore the HTTP methods in order to achieve it.

> Would you recommend an IDE ?   Which do you use ?   If setting it up is somewhat fast, maybe its sensible for me to use that as well.

Feel free to use any IDE that you're comfortable with. In here, we use IntelliJ Idea, and even the free version would be already good enough for you. But you pick what you're most comfortable with. e.g: Eclipse, IntelliJ, VSCode, Netbeans.

> Considering that, would it be better to send you a partial solution that is hopefully better quality or hack something out that is more complete ?

One of the things we love most is atomic commits, so we will evaluate how you developed the solution by looking to your commit history. But I'd love that you could submit your code review once it is done.

One thing just to already let you know about an unfortunate thing that happened before wasting any of your time: We realized that there is a payment limitation for weather history after sending the challenge, but at least we still have the API to register the polygons for free.

So, let me

try to clarify a bit more of what we might would like you to adapt:

1. We have to **save** the boundaries **and also register** it with the API so we can retrieve the boundary id from the API **to persist it**
2. Ideally, when someone requests a field weather information we would then use this boundary ID to request the weather data, but as it is not possible, we then can use the sample API (curl -L -X GET 'https://samples.openweathermap.org/agro/1.0/weather/history?polyid={{POLIYGON_ID}}&start={{startDate}}&end={{endDate}}&appid={{API_ID}}')

I hope this clarifies a bit more the implementation details as well as help you to get through the requirements, and kudos for asking about it, this is exactly what we were expecting (someone who is not afraid to reach out).

Cheers,

Daniel.