

Interview: Mobile Engineer Practical Test

This part of the interview is practical, we want to know that your technical aptitudes matches your practical performance. There is not right answer to this test, but remember, we encourage good performance, fully testable apps, pixel perfect UI and excellent clean code.

The problem consist in create a simple app, that will show a List of Dogs.

```
var dogs: [Dog] = [Dog, Dog]
```

Where DogsObject is an object that has the next parameters:

```
[
  {
    "dogName": "Chief",
    "description": "Black (formerly) White with black spots",
    "age": 2,
    "url": "http://www.one.url.com"
  },
  {
    "dogName": "Spots",
    "description": "White with black spots",
    "age": 2,
    "url": "http://www.one.url.com"
  }
]
```

You should show all the Dogs in the List, you can find the list consulting this JSON request, available in this URL: <https://jsonblob.com/api/945366962796773376>

Application

- Create an application that fully show a List of DogObjects
- Must run in a emulator with the latest IDE

Architecture:

- You can use any dependency you want, or nothing at all.
- We are interested in a good architectural pattern, you can choose any Architecture, but you should be able to fully understand it, we appreciate if the architecture has all the layers for every pattern.
- We will appreciate, If the app is fully testable, even when the test are missing.

If you have any problems, please reach: dinorah.tovar@konfio.mx or jesus.santaolalla@konfio.mx

- Unit testing is not required, but we encourage it.
- Instrumental test is not required at all.

Design:

- Design and communication with our users is everything, for Font Colors you should use the next ones, for the Font Type, the default is okay.



- The design is at the end of this document
- We are looking for a pixel perfect UI

Network Request:

- The URL request is a @GET request, you don't need to use any other type of request, for the JSON
- The JSON does not have any form of authentication
- We believe in separation of concerns, so try to implement here.

Data base

As a bonus, you can implement this logic:

- The first time our user gets in the application we will make a @GET request, save this information in a database, and the second time the user should ask for the List of DogsObjects, and get the data from the database and not from the endpoint.
- You can use any Database you like.

At the end

- When you are done, please send us a email, telling us if you face any trouble, how you solve the problem and if the challenge was difficult, also send us a URL with a zip for the Code Challenge over Google Drive or Dropbox
- If you want to deliver the code from Github, make sure to have the repository as public
- We wish you the best of the lucks, reach out if you have any problem.



Dogs We Love



Chief

Black (formerly) White with black spots, he don't trust anyone

Almost 2 years



Spots

White with black spots, he is a bodyguard

Almost 2 years



King

Red, Brown, White, he believes in democracy

Almost 2 years



Chief