

Take Home Assignment

You should supply the code for review and be ready to reference for the follow-up technical interview and be ready to demo their code via Screen Share. The purpose of this assignment is to provide us a sample of your code and architecture approach. It should be representative of what you would do as a professional level. It should be representative of what you would do as a professional during your day to day on the job. Please take the time to review the grading criteria below.

How will I be graded?

- Code is clean, well-written and easy to read.
- Functionally works and satisfies the requirements below.
- Thoughtful design and user experience considered.
- Code is unit tested.

Take Home Assignment - A Simple App (Android Native)

For this assignment, you will build a simple app that includes a Detail Page and a List Page from the supplied JSON Data below. It should detail enough information on the List Page so that your users have critical high-level information on the items in the list, while the Detail Page should provide as much information as you think your users could want (be as complete as possible) presented in a way that makes the information easily digestible.

Instructions:

1. Build at least one component that displays a subset (minimum of 10) items from the supplied JSON data.
2. Build at least one component that displays a single return of an item from an external public API, reachable from clicking/tapping on the list item (which should load the relevant details page).
3. You will be evaluated based on at least some of the following:
 - a. Design of your list item (how easily and elegantly it conveys the information from the API)
 - b. Re-use of your code (could someone re-implement your solution easily for a different type of data / different API)
4. c. Other factors include: any tests included, component structure and standards, performance and stability, etc.

Submission

Your app should be able to run in simulators. Please zip the project folder and include a simple README on setting up dependencies if your solution requires it. It would be great to include an APK file if it's an Android app.

JSON Data

Images for the JSON data can be found at [https://cataas.com/cat/\[_id\]](https://cataas.com/cat/[_id]). If you would like to use an API for your submission, you can find details for CATAAS (Cat as a Service) at [Cat as a service \(CATAAS\)](#).

```
[
  {
    "_id": "rV1MVEh0Af2Bm400",
    "tags": [
      "kitten",
      "several",
      "gif"
    ],
    "owner": "null",
    "createdAt": "Sun May 01 2022 20:57:11 GMT+0000 (Coordinated Universal Time)",
    "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
  },
  {
    "_id": "ZHrXPVRJniYPR6pp",
    "tags": [
      "gif"
    ],
    "owner": "null",
    "createdAt": "Wed Jun 01 2022 22:29:22 GMT+0000 (Coordinated Universal Time)",
    "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
  },
  {
    "_id": "2VgBUv9MaBwk5qnK",
    "tags": [
      "manspreading"
    ],
    "owner": "null",
    "createdAt": "Mon Oct 03 2022 07:59:01 GMT+0000 (Coordinated Universal Time)",
    "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
  },
  {
    "_id": "2bPYDRuvU70sbgja",
    "tags": [
      "closed eyes",
      "sleepy",
      "bed"
    ],
  },
]
```

```
"owner": "LeBonk",
"createdAt": "Sun Sep 11 2022 00:27:05 GMT+0000 (Coordinated Universal Time)",
"updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
},
{
  "_id": "AYJNTBAktmH3Q7ka",
  "tags": [
    "gif"
  ],
  "owner": "null",
  "createdAt": "Sun May 01 2022 20:54:14 GMT+0000 (Coordinated Universal Time)",
  "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
},
{
  "_id": "LTxlBUdATocntNid",
  "tags": [

  ],
  "owner": "null",
  "createdAt": "Thu Jun 30 2022 06:05:15 GMT+0000 (Coordinated Universal Time)",
  "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
},
{
  "_id": "MBpd0f7cDU5EwhZ9",
  "tags": [
    "tuxedo",
    "vending machine",
    "stuck",
    "glass",
    "trapped"
  ],
  "owner": "LeBonk",
  "createdAt": "Sun Sep 11 2022 00:25:56 GMT+0000 (Coordinated Universal Time)",
  "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
},
{
  "_id": "MkRxexGVMQzEoN73",
  "tags": [

  ],
  "owner": "null",
  "createdAt": "Wed May 18 2022 07:06:08 GMT+0000 (Coordinated Universal Time)",
  "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
}
```

```
},
{
  "_id": "N6pTLrClzF83df8t",
  "tags": [
    "norwegian forest cat",
    "daisy",
    "gaming",
    "pc"
  ],
  "owner": "LeBonk",
  "createdAt": "Sun Sep 11 2022 00:30:31 GMT+0000 (Coordinated Universal Time)",
  "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
},
{
  "_id": "Rn6xqsiHb9B7qgLw",
  "tags": [
    "small cat",
    "brazilian",
    "brazilian cat",
    "brasileira",
    "female cat",
    "female",
    "black & white",
    "donna",
    "londrinense",
    "londrina",
    "cute cat",
    "cute"
  ],
  "owner": "ricardo.ricardo815",
  "createdAt": "Wed Sep 28 2022 02:36:22 GMT+0000 (Coordinated Universal Time)",
  "updatedAt": "Tue Oct 11 2022 07:52:32 GMT+0000 (Coordinated Universal Time)"
}
]
```