Android Developer Technical Tests
(2025/01/13)

For a confirmed/senior level (more than two years of experience):

You must create a native Android application displaying the list of the following items (album titles): https://static.leboncoin.fr/img/shared/technical-test.json

For each item, we want to see at least the title and the image. Note that a constraint regarding the images will force you to add a header with the key "User-Agent" for each request aimed at retrieving an image.

The data contained in this JSON must be downloaded by the app at runtime, and not manually placed in the app's assets.

Prerequisites:

1. The project is to be carried out on the Android platform (minimum API 24)
2. You must implement a data persistence system so that the data can be available offline, even after restarting the application.
3. You are free to use the language and libraries you want.
4. Your code must be versioned on a freely accessible Git repository. You are free to create multiple branches for your development, but we will only review the default configured branch, make sure it is up to date.
5. A document summarizing the choices of architecture, patterns, and libraries applied.

We will particularly observe:

- The architecture
- The patterns applied
- The choice of libraries
- The performance of the application
- The tests
- The justification of the choices made

We expect you to develop this app as if it were a professional project. We recommend taking between 1 and 2 weeks to complete it. If more time is needed, please ask.

We will reject the test if any of the following elements are not present:

- Unit tests
- Handling of configuration changes
- No justification for the choices made

For a junior level (2 years or less experience) / intern:

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We will particularly observe:

- The architecture
- The choice of libraries
- The tests
- The justification of the choices made

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