

# Flutter Mobile Developer Assignment Instructions

Build a native app that shows Jake Wharton GitHub repositories as list. Please use pagination (request 15 items per request). When the user reaches the third item from the bottom, request another batch. During the request execution you can show a progress bar as last item in the list. If it's clear that there is no more items available, you should stop doing requests and showing the progress bar.

Please pay attention to code quality, testable and maintainable app architecture. Make sure that the app will be usable (at least partially) without an internet connection. Notify the user if a request was failed, but make sure that the user will be able to see locally stored data.

And biometric login

## The data

You can take required URL like:

[https://api.github.com/users/JakeWharton/repos?page=1&per\\_page=15](https://api.github.com/users/JakeWharton/repos?page=1&per_page=15)

## The Constraints

Use flutter/dart.

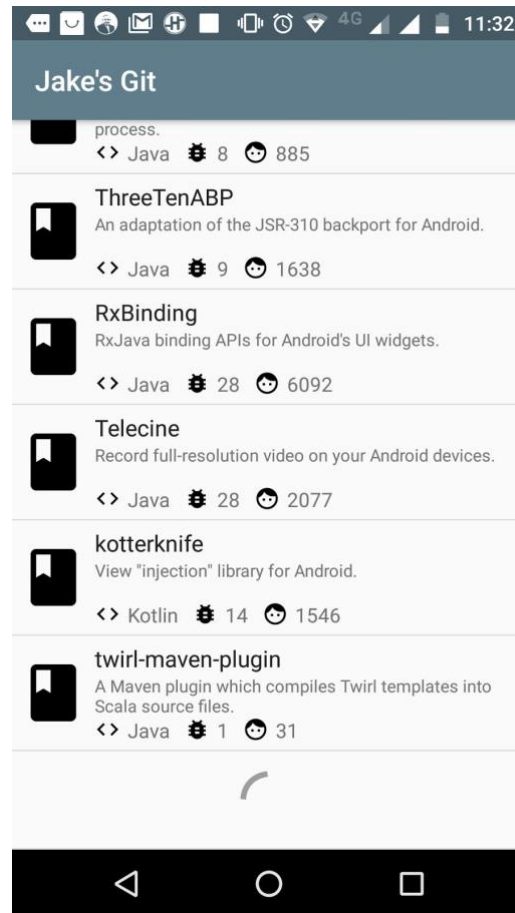
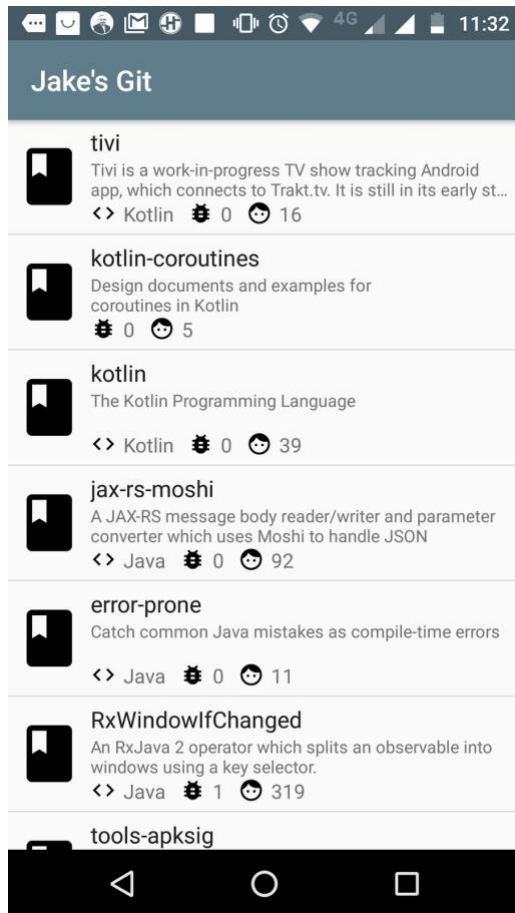
Include unit and instrumentation testing. (**Good to have, not required**) Use Material Design principles for android and Cupertino for iOS.

Use local database (Realm preferred) for storing data and make that data available offline.

Use your GitHub account during developing. When you are done, please give us the link to that repo and make build for android and iOS share android apk and iOS TestFlight link.

# Design

Below design is for Android using Material guidelines, for iOS follow Cupertino guidelines and try to keep the UI clean.



You can divide the task in 4 parts

1. Responsive UI
2. API linking
3. Batch loading of list items and scrollbar update
4. Biometric Login/Mobile OTP login