

# Coding Challenge

Square Inc. is a well known company in Android community as it has published a lot of useful open source libraries. Your job is to create a little Android application that lists Square's public open source repositories on GitHub.

## Task 1: Display a list of GitHub Repositories

1. **Repositories screen:** Create an Android app that displays a list repositories of Square Inc on GitHub. The related REST endpoint to retrieve a user's repositories is <https://api.github.com/orgs/square/repos>.  
Just display the name of the repository and the number of stars the repository has on GitHub (see *stargazers\_count* property in json response).
2. **Repository details screen:** As a user of this Android app you can click on a repository in that list to see the details for the clicked repository. This details screen just displays the repository name and the number of stars the repository has on Github. This information can be passed directly from the previous screen to the details screen. You don't have fetch this data with an http request.

**Note: GitHub API has support for pagination. You don't have to implement this. Just display the first page (no need to load the next page).**

## Task 2: Bookmarks<sup>1</sup>

Add support for bookmarks.

1. **Add bookmarks button:** As a user of this app I can click on an “add to bookmarks button” to add a repository to my bookmarks. The add to bookmarks button should be displayed in the “repository details screen” (see task 1.2). Bookmarks are only stored locally on the device (no interaction with GitHub’s REST API).
2. **Remove bookmarks:** As a user of this app I can remove a bookmark for a certain repository in the “repository details screen” (see task 1.2).
3. **Update repository screen:** The list of repository screens (see task 1.1.) should show a little icon next to the repository name if a repository is added to the bookmarks.

---

<sup>1</sup> Don’t get confused with stargazers. By adding a repository to the bookmarks you don’t become a stargazer of this repository on github neither you have to make a github API call to update stargazers. Bookmarks are just stored locally on the users device.