

TEST

Android App Development

Develop a music management app for Android based on the LastFM API. With the help of the app the user should be able to search for artists, pick one of their top albums and save it locally.

The app should contain the following screens:

1. Main Screen:
 - All locally stored albums are shown here.
 - A tap on one of these albums opens a detail-page.
 - These screens (Main and Detail) should work without having an internet connection.
 - It's possible to open the search screen from this view.
2. Search Page:
 - On this page it should be possible to search for an artist on the LastFMApi.
 - Furthermore there should be a button next to a text field which starts the search.
 - The results of the search should be shown in a list.
 - A selection of one list-item opens the albums-overview screen.
3. Top Albums:
 - The best albums of an artist are shown here.
 - It should be possible to store (and delete stored) albums locally.
 - Tap on an album opens the detail-page and at least the following information should be stored:
 - Name
 - Artist
 - Image (doesn't matter in which size)
 - Tracks

You can create your API key on the following website:

<https://www.last.fm/api/authentication>

There are no constraints from our side how you have to solve this task. Just make sure that the result shows us, how you think an app should be structured and coded. During our review we will especially have a look into:

- General code structure and quality,
- what type of architecture did you use and how well did you implement it,
- does the app crash,
- how clean is your layout (we are not interested in a fancy layout),
- plus points: Unit Tests, Ui Tests.

Good Luck!