
PINCH

Sloterkade 41-H
1058 HE Amsterdam
(+31) 020 221 0717
<https://www.pinch.nl/>

iOS assignment

DESCRIPTION

Your client just requested a new app containing photos grouped in albums. First of all he'd like you to create a simple app containing just 3 screens: a list of albums, a list of photos when clicking on an album in the list, and a full sized photo when you tap on a photo in the list:

List of albums

The API only returns the name of the album, so please put this in the list. We'd like a pull to refresh in this view to update the data, and clicking on an item should navigate to the detail view of the clicked album.

List of photos

Each item in the list should at least contain a thumbnail of the image and the title of the photo. Although much more information isn't available yet, adding more can be done as long as this doesn't clutter the total view too much. Also in this screen we'd like a pull to refresh, and clicking on an item should navigate to the detail view of the clicked photo.

Photo detail

The detail screen of the photo should at least contain the photo and the title. If you like you can add pinch to zoom, etc. Other functionalities are, of course, allowed. Go nuts!

Your client has many more wishes for the app later on, but for now this is it.

REQUIREMENTS

When the data has been acquired once, it should be available without having a working network connection later on, preferable also after restarting the app.

We like to stay up-to-date with the current technologies. Therefore we'd like to have the application fully written in the Swift programming language and support for the latest two iOS versions.

Components which you create yourself should be written in a way so they can be tested. Preferable, some tests are in place so the application won't break when another developer continues working on the app.

NICE TO HAVES

When creating the application, it would be good to use one of the following techniques since other developers use these too.

- Storyboards
- RxSwift
- CoreData

If you want you can use external libraries, but you should be able to explain why you have used them.

ALBUM/PHOTO API

For this assignment we are running our own json-server. You can find it here:

<http://testapi.pinch.nl:3000>

Basic albums and photos endpoints:

<http://testapi.pinch.nl:3000/albums>

<http://testapi.pinch.nl:3000/photos>

The API returns all items by default, so please make sure to add filtering and pagination, e.g.:

http://testapi.pinch.nl:3000/photos?albumId=2&_page=1

Also note that we don't support https (SSL) yet.

More documentation can be found here: <https://github.com/typicode/json-server>