Outland

iOS Technical Test

In this technical test you will showcase your iOS development skills so make sure your code is production ready and structured in an elegant way.

You are going to develop a simple photo application for viewing a set of pictures in a list and viewing a single photo in full screen.

The application will retrieve images from a server and show them in an order and performance oriented approach.

- **App Screens**

The application consists of two different screens, the main screen in which a list will show several images along with the name of the user that uploaded it and a detail screen in which the photo selected on the main list will be displayed in a full screen view.

- **App Components**

Please structure your app in a way that uses a network singleton (work with URLSession in this exercise) and a cache helper for the reutilization of images that are already downloaded to the device.

- **API Info**

We will be using the pixabay API to get the images from the web. The documentation from the API is listed in https://pixabay.com/api/docs/. For this exercise you can use the following API key to test and send the test: 21910557-254ef18a90f85489b0e0562e1

Please use the following guidelines for the API:

parameter	value
Asset Type	photo
Max results	30

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Additional Development Information:

You can choose to show the images in an 1:1 ratio or use the aspect ratio of the original photo to display them in a more pleasant way (This is extra).

The exercise is simple enough to not need the use of external frameworks or third party solutions, if you decide to use one in this project be prepared to justify its use.

Extra points!

-   Add a search bar to the top of the main view, apply the search term to the request being made to the server and show the user the 3 most recent (and cached) search results.

-   Add zoom and pan functionality to the second screen, save the picture's zoom and pan changes and when the user returns to the same picture re-apply these changes to the image to show it the same way the user left it.

F.A.Q.

How much time do I have?

Use as much time as needed in order to present the best possible solution you can come up with. We will take both the quality and speed of the exercise you send us back into account.

What do I do when I'm finished?

Send us the project back in a .zip format to the email address where you received this document and attach any special information you think we need to use in order to review your code.

If you have any questions feel free to reach us at the same email address where you received this document and we will gladly assist you.